

|       |     |                                                      |               |      |         |
|-------|-----|------------------------------------------------------|---------------|------|---------|
| 10861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10864 | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)      | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 % |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 8.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 6.57 | ± 9.6 % |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 6.53 | ± 9.6 % |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)        | 5G NR FR2 TDD | 8.02 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)        | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10897 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10899 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10902 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10905 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10907 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.78 | ± 9.6 % |
| 10908 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10909 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.96 | ± 9.6 % |
| 10910 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10911 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10912 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10914 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.85 | ± 9.6 % |
| 10915 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10916 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10917 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10918 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10919 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10920 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10921 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10922 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.82 | ± 9.6 % |

|       |     |                                                     |               |       |         |
|-------|-----|-----------------------------------------------------|---------------|-------|---------|
| 10923 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10924 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10925 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95  | ± 9.6 % |
| 10926 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84  | ± 9.6 % |
| 10927 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94  | ± 9.6 % |
| 10928 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)       | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10929 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10930 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52  | ± 9.6 % |
| 10931 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10932 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10933 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10934 | AAC | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10935 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51  | ± 9.6 % |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.90  | ± 9.6 % |
| 10937 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.77  | ± 9.6 % |
| 10938 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.90  | ± 9.6 % |
| 10939 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.82  | ± 9.6 % |
| 10940 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.89  | ± 9.6 % |
| 10941 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.83  | ± 9.6 % |
| 10942 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.85  | ± 9.6 % |
| 10943 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.95  | ± 9.6 % |
| 10944 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.81  | ± 9.6 % |
| 10945 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.85  | ± 9.6 % |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.83  | ± 9.6 % |
| 10947 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87  | ± 9.6 % |
| 10948 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94  | ± 9.6 % |
| 10949 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87  | ± 9.6 % |
| 10950 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94  | ± 9.6 % |
| 10951 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.92  | ± 9.6 % |
| 10952 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 FDD | 8.25  | ± 9.6 % |
| 10953 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.15  | ± 9.6 % |
| 10954 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.23  | ± 9.6 % |
| 10955 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.42  | ± 9.6 % |
| 10956 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14  | ± 9.6 % |
| 10957 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.31  | ± 9.6 % |
| 10958 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61  | ± 9.6 % |
| 10959 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33  | ± 9.6 % |
| 10960 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32  | ± 9.6 % |
| 10961 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36  | ± 9.6 % |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40  | ± 9.6 % |
| 10963 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55  | ± 9.6 % |
| 10964 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29  | ± 9.6 % |
| 10965 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37  | ± 9.6 % |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55  | ± 9.6 % |
| 10967 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42  | ± 9.6 % |
| 10968 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49  | ± 9.6 % |
| 10972 | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59 | ± 9.6 % |
| 10973 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06  | ± 9.6 % |
| 10974 | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.28 | ± 9.6 % |
| 10978 | AAA | ULLA BDR                                            | ULLA          | 2.23  | ± 9.6 % |
| 10979 | AAA | ULLA HDR4                                           | ULLA          | 7.02  | ± 9.6 % |
| 10980 | AAA | ULLA HDR8                                           | ULLA          | 8.82  | ± 9.6 % |
| 10981 | AAA | ULLA HDRp4                                          | ULLA          | 1.50  | ± 9.6 % |
| 10982 | AAA | ULLA HDRp8                                          | ULLA          | 1.44  | ± 9.6 % |

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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## ***Appendix E. Conducted RF Output Power Table***

The detailed power table are shown as follows.

## Full Power Mode\_Main PA

| GSM850 Ant0 Default  |  |                           |       |        |                     |                           |       |        |                     |  |
|----------------------|--|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|--|
| GSM850               |  | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |  |
| TX Channel           |  | 128                       | 189   | 251    |                     | 128                       | 189   | 251    |                     |  |
| Frequency (MHz)      |  | 824.2                     | 836.4 | 848.8  |                     | 824.2                     | 836.4 | 848.8  |                     |  |
| GSM 1 Tx slot        |  | 33.15                     | 33.18 | 33.08  | 34.00               | 24.15                     | 24.18 | 24.08  | 25.00               |  |
| GPRS 1 Tx slot       |  | 33.10                     | 33.15 | 33.02  | 34.00               | 24.10                     | 24.15 | 24.02  | 25.00               |  |
| GPRS 2 Tx slots      |  | 30.10                     | 30.17 | 30.09  | 31.00               | 24.10                     | 24.17 | 24.09  | 25.00               |  |
| GPRS 3 Tx slots      |  | 28.26                     | 28.34 | 28.28  | 29.50               | 24.00                     | 24.08 | 24.02  | 25.24               |  |
| GPRS 4 Tx slots      |  | 26.80                     | 26.91 | 26.85  | 28.00               | 23.80                     | 23.91 | 23.85  | 25.00               |  |
| EDGE 1 Tx slot       |  | 27.13                     | 27.18 | 27.09  | 27.50               | 18.13                     | 18.18 | 18.09  | 18.50               |  |
| EDGE 2 Tx slots      |  | 24.21                     | 24.29 | 24.24  | 24.50               | 18.21                     | 18.29 | 18.24  | 18.50               |  |
| EDGE 3 Tx slots      |  | 22.27                     | 22.30 | 22.26  | 22.50               | 18.01                     | 18.04 | 18.00  | 18.24               |  |
| EDGE 4 Tx slots      |  | 20.88                     | 20.96 | 20.91  | 21.50               | 17.88                     | 17.96 | 17.91  | 18.50               |  |
| GSM1900 Ant0 Default |  |                           |       |        |                     |                           |       |        |                     |  |
| GSM1900              |  | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |  |
| TX Channel           |  | 512                       | 661   | 810    |                     | 512                       | 661   | 810    |                     |  |
| Frequency (MHz)      |  | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |  |
| GSM 1 Tx slot        |  | 29.96                     | 29.99 | 29.84  | 31.00               | 20.96                     | 20.99 | 20.84  | 22.00               |  |
| GPRS 1 Tx slot       |  | 29.87                     | 29.92 | 29.80  | 31.00               | 20.87                     | 20.92 | 20.80  | 22.00               |  |
| GPRS 2 Tx slots      |  | 27.06                     | 27.11 | 27.02  | 28.00               | 21.06                     | 21.11 | 21.02  | 22.00               |  |
| GPRS 3 Tx slots      |  | 25.27                     | 25.32 | 25.23  | 26.50               | 21.01                     | 21.06 | 20.97  | 22.24               |  |
| GPRS 4 Tx slots      |  | 23.86                     | 23.96 | 23.90  | 25.00               | 20.86                     | 20.96 | 20.90  | 22.00               |  |
| EDGE 1 Tx slot       |  | 25.70                     | 25.78 | 25.73  | 26.50               | 16.70                     | 16.78 | 16.73  | 17.50               |  |
| EDGE 2 Tx slots      |  | 22.52                     | 22.58 | 22.53  | 23.50               | 16.52                     | 16.58 | 16.53  | 17.50               |  |
| EDGE 3 Tx slots      |  | 20.60                     | 20.64 | 20.50  | 21.50               | 16.34                     | 16.38 | 16.24  | 17.24               |  |
| EDGE 4 Tx slots      |  | 19.04                     | 19.08 | 19.04  | 20.00               | 16.04                     | 16.08 | 16.04  | 17.00               |  |

| WCDMA 8 Ant0 Default |                         |         |       |        |                     |          |        |       |                     |         | WCDMA 4V Ant0 Default |       |                     |  |  | WCDMA V Ant0 Default |  |  |  |
|----------------------|-------------------------|---------|-------|--------|---------------------|----------|--------|-------|---------------------|---------|-----------------------|-------|---------------------|--|--|----------------------|--|--|--|
| Band                 |                         | WCDMA 8 |       |        | Tune-up Limit (dBm) | WCDMA 4V |        |       | Tune-up Limit (dBm) | WCDMA V |                       |       | Tune-up Limit (dBm) |  |  |                      |  |  |  |
| TX Channel           |                         | 9262    | 9400  | 9538   |                     | 1312     | 1413   | 1513  |                     | 4132    | 4182                  | 4233  |                     |  |  |                      |  |  |  |
| Rx Channel           |                         | 9662    | 9800  | 9938   | 1537                | 1638     | 1738   | 4357  | 4407                | 4458    |                       |       |                     |  |  |                      |  |  |  |
| Frequency (MHz)      |                         | 1852.4  | 1880  | 1907.6 | 1712.4              | 1732.6   | 1752.6 | 826.4 | 836.4               | 846.6   |                       |       |                     |  |  |                      |  |  |  |
| 3GPP Rel 99          | AMR 12.2Kbps            | 23.91   | 24.05 | 23.96  | 24.50               | 23.71    | 23.84  | 23.76 | 25.00               | 24.27   | 24.46                 | 24.18 | 25.00               |  |  |                      |  |  |  |
| 3GPP Rel 99          | RMC 12.2Kbps            | 24.03   | 24.16 | 24.04  | 24.50               | 23.76    | 23.92  | 23.83 | 25.00               | 24.34   | 24.51                 | 24.23 | 25.00               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSDPA Subtest-1         | 23.01   | 23.19 | 22.95  | 23.50               | 22.76    | 22.96  | 22.87 | 24.00               | 23.31   | 23.49                 | 23.26 | 24.00               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSDPA Subtest-2         | 23.06   | 23.13 | 22.97  | 23.50               | 22.72    | 22.91  | 22.85 | 24.00               | 23.30   | 23.54                 | 23.22 | 24.00               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSDPA Subtest-3         | 22.55   | 22.74 | 22.46  | 23.00               | 22.33    | 22.42  | 22.30 | 23.50               | 22.91   | 23.07                 | 22.80 | 23.50               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSDPA Subtest-4         | 22.50   | 22.58 | 22.43  | 23.00               | 22.25    | 22.48  | 22.29 | 23.50               | 22.80   | 22.99                 | 22.70 | 23.50               |  |  |                      |  |  |  |
| 3GPP Rel 8           | DC-HSDPA Subtest-1      | 23.06   | 23.19 | 23.04  | 23.50               | 22.73    | 23.02  | 22.94 | 24.00               | 23.33   | 23.48                 | 23.26 | 24.00               |  |  |                      |  |  |  |
| 3GPP Rel 8           | DC-HSDPA Subtest-2      | 23.01   | 23.21 | 23.05  | 23.50               | 22.70    | 22.95  | 22.87 | 24.00               | 23.34   | 23.53                 | 23.20 | 24.00               |  |  |                      |  |  |  |
| 3GPP Rel 8           | DC-HSDPA Subtest-3      | 22.54   | 22.76 | 22.43  | 23.00               | 22.38    | 22.48  | 22.30 | 23.50               | 22.87   | 23.03                 | 22.86 | 23.50               |  |  |                      |  |  |  |
| 3GPP Rel 8           | DC-HSDPA Subtest-4      | 22.60   | 22.57 | 22.54  | 23.00               | 22.29    | 22.51  | 22.33 | 23.50               | 22.78   | 22.98                 | 22.68 | 23.50               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSUPA Subtest-1         | 23.03   | 23.16 | 23.02  | 23.50               | 22.73    | 22.96  | 22.85 | 24.00               | 23.41   | 23.47                 | 23.27 | 24.00               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSUPA Subtest-2         | 21.05   | 21.17 | 20.97  | 21.50               | 20.71    | 20.90  | 20.88 | 22.00               | 21.37   | 21.48                 | 21.21 | 22.00               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSUPA Subtest-3         | 22.09   | 22.22 | 21.91  | 22.50               | 21.72    | 21.95  | 21.84 | 23.00               | 22.40   | 22.50                 | 22.21 | 23.00               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSUPA Subtest-4         | 21.07   | 21.14 | 20.97  | 21.50               | 20.72    | 20.96  | 20.82 | 22.00               | 21.34   | 21.49                 | 21.23 | 22.00               |  |  |                      |  |  |  |
| 3GPP Rel 6           | HSUPA Subtest-5         | 23.05   | 23.12 | 22.97  | 23.50               | 22.81    | 22.92  | 22.88 | 24.00               | 23.39   | 23.50                 | 23.22 | 24.00               |  |  |                      |  |  |  |
| 3GPP Rel 7           | HSPA+ (L6QAM) Subtest-1 | 20.53   | 20.61 | 20.49  | 21.00               | 20.31    | 20.41  | 20.32 | 21.50               | 20.89   | 20.98                 | 20.84 | 21.50               |  |  |                      |  |  |  |

| Band 2 Ant0 Default |            |         |           |             |             |             |             |                    |          |  |  |  |
|---------------------|------------|---------|-----------|-------------|-------------|-------------|-------------|--------------------|----------|--|--|--|
| RF (MHz)            | Modulation | RB Size | RB Offset | Power (dBm) | Power (dBm) | Power (dBm) | Power (dBm) | Turn-on time (dBm) | MFR (dB) |  |  |  |
| Channel             |            |         |           |             |             |             |             |                    |          |  |  |  |
| Frequency (MHz)     |            |         |           |             |             |             |             |                    |          |  |  |  |
| 20                  | QPSK       | 1       | 0         | 23.94       | 23.94       | 23.94       | 23.97       |                    |          |  |  |  |
| 20                  | QPSK       | 1       | 49        | 23.84       | 23.88       | 23.88       |             | 25                 | 0        |  |  |  |
| 20                  | QPSK       | 1       | 98        | 23.74       | 23.86       | 23.86       |             |                    |          |  |  |  |
| 20                  | QPSK       | 50      | 0         | 22.97       | 23.04       | 22.97       |             |                    |          |  |  |  |
| 20                  | QPSK       | 50      | 24        | 22.99       | 23.03       | 22.81       |             | 24                 | 1        |  |  |  |
| 20                  | QPSK       | 50      | 49        | 22.99       | 23.03       | 22.81       |             |                    |          |  |  |  |
| 20                  | QPSK       | 100     | 0         | 22.98       | 23.00       | 22.95       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 1       | 0         | 23.17       | 23.19       | 23.19       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 1       | 49        | 23.06       | 23.12       | 23.12       |             | 24                 | 1        |  |  |  |
| 20                  | 16QAM      | 1       | 99        | 23.14       | 23.19       | 23.21       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 50      | 0         | 21.86       | 21.86       | 21.82       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 50      | 25        | 21.91       | 21.92       | 21.94       |             | 23                 | 2        |  |  |  |
| 20                  | 16QAM      | 50      | 49        | 21.88       | 21.90       | 21.88       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 100     | 0         | 21.87       | 21.86       | 21.88       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 100     | 25        | 21.93       | 21.93       | 21.93       |             | 23                 | 2        |  |  |  |
| 20                  | 16QAM      | 1       | 49        | 21.96       | 22.03       | 21.93       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 1       | 99        | 21.86       | 21.94       | 21.82       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 50      | 0         | 20.88       | 21.02       | 20.92       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 50      | 25        | 20.95       | 20.96       | 20.95       |             | 22                 | 3        |  |  |  |
| 20                  | 16QAM      | 50      | 49        | 20.92       | 20.96       | 20.87       |             |                    |          |  |  |  |
| 20                  | 16QAM      | 100     | 0         | 20.92       | 20.96       | 20.87       |             |                    |          |  |  |  |
| 20                  | 256QAM     | 1       | 49        | 18.90       | 19.02       | 18.91       |             | 20                 | 5        |  |  |  |
| 20                  | 256QAM     | 1       | 99        | 18.80       | 18.94       | 18.83       |             |                    |          |  |  |  |
| 20                  | 256QAM     | 50      | 0         | 18.80       | 18.94       | 18.83       |             |                    |          |  |  |  |
| 20                  | 256QAM     | 50      | 24        | 18.82       | 18.91       | 18.87       |             | 20                 | 5        |  |  |  |
| 20                  | 256QAM     | 50      | 49        | 18.78       | 18.83       | 18.75       |             |                    |          |  |  |  |
| 20                  | 256QAM     | 100     | 0         | 18.84       | 18.90       | 18.84       |             |                    |          |  |  |  |
| Channel             |            |         |           |             |             |             |             |                    |          |  |  |  |
| Frequency (MHz)     |            |         |           |             |             |             |             |                    |          |  |  |  |
| 15                  | QPSK       | 1       | 0         | 18.75       | 18.80       | 18.75       |             | Turn-on time (dBm) | MFR (dB) |  |  |  |
| 15                  | QPSK       | 1       | 49        | 18.75       | 18.80       | 18.75       |             |                    |          |  |  |  |
| 15                  | QPSK       | 1       | 97        | 23.75       | 23.80       | 23.77       |             | 25                 | 0        |  |  |  |
| 15                  | QPSK       | 1       | 74        | 23.66       | 23.73       | 23.67       |             |                    |          |  |  |  |
| 15                  | QPSK       | 36      | 0         | 22.84       | 22.86       | 22.92       |             |                    |          |  |  |  |
| 15                  | QPSK       | 36      | 20        | 22.87       | 22.88       | 22.85       |             | 24                 | 1        |  |  |  |
| 15                  | QPSK       | 36      | 36        | 22.90       | 22.88       | 22.83       |             |                    |          |  |  |  |
| 15                  | QPSK       | 72      | 0         | 22.85       | 22.86       | 22.85       |             |                    |          |  |  |  |
| 15                  | 16QAM      | 1       | 0         | 23.13       | 23.23       | 23.06       |             |                    |          |  |  |  |
| 15                  | 16QAM      | 1       | 37        | 22.95       | 22.98       | 22.92       |             | 24                 | 1        |  |  |  |
| 15                  | 16QAM      | 1       | 74        | 23.00       | 23.08       | 22.99       |             |                    |          |  |  |  |
| 15                  | 16QAM      | 36      | 0         | 21.79       | 21.88       | 21.82       |             |                    |          |  |  |  |
| 15                  | 16QAM      | 36      | 20        | 21.81       | 21.99       | 21.80       |             | 23                 | 2        |  |  |  |
| 15                  | 16QAM      | 36      | 36        | 21.89       | 21.83       | 21.70       |             |                    |          |  |  |  |
| 15                  | 16QAM      | 72      | 0         | 21.89       | 21.88       | 21.88       |             |                    |          |  |  |  |
| 15                  | 16QAM      | 1       | 0         | 21.99       | 22.08       | 22.00       |             | 23                 | 2        |  |  |  |
| 15                  | 16QAM      | 1       | 37        | 21.84       | 21.96       | 21.83       |             |                    |          |  |  |  |
| 15                  | 16QAM      | 36      | 0         | 20.97       | 21.06       | 20.98       |             |                    |          |  |  |  |
| 15                  | 16QAM      | 36      | 20        | 20.90       | 20.93       |             |             |                    |          |  |  |  |

| Band 4 Ant0 Default |            |         |            |             |                      |                      |                      |                  |          |   |  |  |  |  |  |
|---------------------|------------|---------|------------|-------------|----------------------|----------------------|----------------------|------------------|----------|---|--|--|--|--|--|
| SW (MHz)            | Modulation | RB Size | SPS Cyclic | Power (dBm) | Power (dBm) Ch1/Freq | Power (dBm) Ch2/Freq | Power (dBm) Ch3/Freq | Turn-on time (s) | MPE (dB) |   |  |  |  |  |  |
| Channel             |            |         |            |             |                      |                      |                      |                  |          |   |  |  |  |  |  |
| 20                  | QPSK       | 1       | 5          | 23.69       | 23.75                | 23.46                |                      |                  | 25       | 0 |  |  |  |  |  |
| 20                  | QPSK       | 1       | 48         | 23.53       | 23.67                | 23.61                |                      |                  |          |   |  |  |  |  |  |
| 20                  | QPSK       | 50      | 5          | 23.54       | 23.68                | 23.47                |                      |                  |          |   |  |  |  |  |  |
| 20                  | QPSK       | 50      | 5          | 22.70       | 22.76                | 22.63                |                      |                  |          |   |  |  |  |  |  |
| 20                  | QPSK       | 50      | 24         | 22.54       | 22.77                | 22.63                |                      |                  |          |   |  |  |  |  |  |
| 20                  | QPSK       | 100     | 5          | 22.70       | 22.77                | 22.63                |                      |                  | 24       | 1 |  |  |  |  |  |
| 20                  | QPSK       | 100     | 5          | 22.52       | 22.72                | 22.65                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 0          | 22.82       | 22.91                | 22.80                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 48         | 22.66       | 22.79                | 22.67                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 99         | 22.79       | 22.88                | 22.76                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 5          | 21.86       | 21.71                | 21.58                |                      |                  | 23       | 2 |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 24         | 21.86       | 21.74                | 21.69                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 24         | 21.54       | 21.66                | 21.58                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 16QAM      | 100     | 0          | 21.71       | 21.82                | 21.73                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 16QAM      | 100     | 5          | 21.69       | 21.77                | 21.67                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 64QAM      | 1       | 48         | 21.69       | 21.77                | 21.68                |                      |                  | 22       | 3 |  |  |  |  |  |
| 20                  | 64QAM      | 1       | 99         | 21.66       | 21.69                | 21.66                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 64QAM      | 50      | 5          | 20.64       | 20.72                | 20.68                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 64QAM      | 50      | 20         | 20.59       | 20.66                | 20.57                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 64QAM      | 50      | 50         | 20.58       | 20.70                | 20.64                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 256QAM     | 1       | 0          | 20.76       | 20.81                | 20.76                |                      |                  | 20       | 5 |  |  |  |  |  |
| 20                  | 256QAM     | 1       | 48         | 18.55       | 18.59                | 18.47                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 256QAM     | 1       | 99         | 18.57       | 18.64                | 18.57                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 256QAM     | 50      | 5          | 18.72       | 18.77                | 18.63                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 256QAM     | 50      | 24         | 18.55       | 18.67                | 18.56                |                      |                  |          |   |  |  |  |  |  |
| 20                  | 256QAM     | 50      | 50         | 18.51       | 18.58                | 18.55                |                      |                  | 20       | 5 |  |  |  |  |  |
| 20                  | 256QAM     | 100     | 5          | 18.76       | 18.81                | 18.63                |                      |                  |          |   |  |  |  |  |  |
| Channel             |            |         |            |             |                      |                      |                      |                  |          |   |  |  |  |  |  |
| Frequency (MHz)     |            |         |            | 5000.6      | 5001.5               | 5002.5               |                      | Initial time (s) | MPE (dB) |   |  |  |  |  |  |
| 15                  | QPSK       | 1       | 37         | 17.13       | 17.23                | 17.47                |                      |                  | 25       | 0 |  |  |  |  |  |
| 15                  | QPSK       | 1       | 37         | 23.39       | 23.63                | 23.48                |                      |                  |          |   |  |  |  |  |  |
| 15                  | QPSK       | 1       | 74         | 23.45       | 23.57                | 23.44                |                      |                  |          |   |  |  |  |  |  |
| 15                  | QPSK       | 36      | 0          | 22.56       | 22.66                | 22.59                |                      |                  |          |   |  |  |  |  |  |
| 15                  | QPSK       | 36      | 22         | 22.50       | 22.60                | 22.56                | </                   |                  |          |   |  |  |  |  |  |

| Band 5 Ant0 Default |            |       |           |            |            |            |            |                    |          |  |  |  |  |  |  |
|---------------------|------------|-------|-----------|------------|------------|------------|------------|--------------------|----------|--|--|--|--|--|--|
| BW (MHz)            | Modulation | RB-SS | RB-Offset | Power (mW) | Power (mW) | Power (mW) | Power (mW) | Turn-on time (min) | MPR (dB) |  |  |  |  |  |  |
| Channel             |            |       |           |            |            |            |            |                    |          |  |  |  |  |  |  |
| Frequency (MHz)     |            |       |           |            |            |            |            |                    |          |  |  |  |  |  |  |
| 10                  | QPSK       | 1     | 0         | 24.43      | 24.54      | 24.48      |            |                    |          |  |  |  |  |  |  |
| 10                  | QPSK       | 1     | 25        | 24.46      | 24.52      | 24.41      |            | 25.5               | 0        |  |  |  |  |  |  |
| 10                  | QPSK       | 2     | 0         | 24.47      | 24.53      | 24.46      |            |                    |          |  |  |  |  |  |  |
| 10                  | QPSK       | 2     | 25        | 23.46      | 23.53      | 23.39      |            |                    |          |  |  |  |  |  |  |
| 10                  | QPSK       | 25    | 12        | 23.40      | 23.49      | 23.35      |            | 24.5               | 1        |  |  |  |  |  |  |
| 10                  | QPSK       | 25    | 13        | 23.43      | 23.47      | 23.34      |            |                    |          |  |  |  |  |  |  |
| 10                  | QPSK       | 50    | 0         | 23.52      | 23.57      | 23.44      |            |                    |          |  |  |  |  |  |  |
| 10                  | 16QAM      | 1     | 0         | 23.60      | 23.68      | 23.57      |            |                    |          |  |  |  |  |  |  |
| 10                  | 16QAM      | 1     | 25        | 23.61      | 23.64      | 23.44      |            | 24.5               | 1        |  |  |  |  |  |  |
| 10                  | 16QAM      | 2     | 0         | 23.62      | 23.67      | 23.53      |            |                    |          |  |  |  |  |  |  |
| 10                  | 16QAM      | 2     | 25        | 22.62      | 22.61      | 22.37      |            |                    |          |  |  |  |  |  |  |
| 10                  | 16QAM      | 25    | 12        | 23.64      | 23.65      | 23.34      |            | 23.5               | 2        |  |  |  |  |  |  |
| 10                  | 16QAM      | 25    | 13        | 23.65      | 23.62      | 23.48      |            |                    |          |  |  |  |  |  |  |
| 10                  | 16QAM      | 50    | 0         | 23.50      | 23.56      | 23.44      |            |                    |          |  |  |  |  |  |  |
| 10                  | 16QAM      | 1     | 0         | 22.54      | 22.61      | 22.47      |            | 23.5               | 2        |  |  |  |  |  |  |
| 10                  | 16QAM      | 1     | 25        | 22.59      | 22.58      | 22.38      |            |                    |          |  |  |  |  |  |  |
| 10                  | 64QAM      | 1     | 48        | 22.41      | 22.47      | 22.33      |            |                    |          |  |  |  |  |  |  |
| 10                  | 64QAM      | 1     | 25        | 21.38      | 21.49      | 21.41      |            | 22.5               | 3        |  |  |  |  |  |  |
| 10                  | 64QAM      | 2     | 0         | 21.41      | 21.52      | 21.48      |            |                    |          |  |  |  |  |  |  |
| 10                  | 64QAM      | 25    | 12        | 21.34      | 21.41      | 21.27      |            |                    |          |  |  |  |  |  |  |
| 10                  | 64QAM      | 50    | 0         | 21.42      | 21.56      | 21.53      |            |                    |          |  |  |  |  |  |  |
| 10                  | 256QAM     | 1     | 0         | 19.41      | 19.54      | 19.46      |            | 20.5               | 5        |  |  |  |  |  |  |
| 10                  | 256QAM     | 1     | 25        | 19.37      | 19.47      | 19.29      |            |                    |          |  |  |  |  |  |  |
| 10                  | 256QAM     | 1     | 48        | 19.28      | 19.42      | 19.28      |            |                    |          |  |  |  |  |  |  |
| 10                  | 256QAM     | 2     | 0         | 19.43      | 19.43      | 19.33      |            |                    |          |  |  |  |  |  |  |
| 10                  | 256QAM     | 25    | 12        | 19.33      | 19.38      | 19.25      |            | 20.5               | 5        |  |  |  |  |  |  |
| 10                  | 256QAM     | 25    | 13        | 19.31      | 19.44      | 19.32      |            |                    |          |  |  |  |  |  |  |
| 10                  | 256QAM     | 50    | 0         | 19.37      | 19.48      | 19.44      |            |                    |          |  |  |  |  |  |  |
| Channel             |            |       |           |            |            |            |            |                    |          |  |  |  |  |  |  |
| Frequency (MHz)     |            |       |           |            |            |            |            |                    |          |  |  |  |  |  |  |
| 5                   | QPSK       | 1     | 0         | 24.39      | 24.47      | 24.46      |            |                    |          |  |  |  |  |  |  |
| 5                   | QPSK       | 1     | 25        | 24.42      | 24.46      | 24.29      |            | 25.5               | 0        |  |  |  |  |  |  |
| 5                   | QPSK       | 1     | 24        | 24.42      | 24.36      | 24.29      |            |                    |          |  |  |  |  |  |  |
| 5                   | QPSK       | 12    | 0         | 23.37      | 23.46      | 23.29      |            |                    |          |  |  |  |  |  |  |
| 5                   | QPSK       | 12    | 25        | 23.39      | 23.43      | 23.23      |            | 24.5               | 1        |  |  |  |  |  |  |
| 5                   | QPSK       | 12    | 13        | 23.39      | 23.45      | 23.36      |            |                    |          |  |  |  |  |  |  |
| 5                   | QPSK       | 25    | 0         | 23.48      | 23.52      | 23.32      |            |                    |          |  |  |  |  |  |  |
| 5                   | QPSK       | 25    | 12        | 23.49      | 23.52      | 23.30      |            | 23.5               | 1        |  |  |  |  |  |  |
| 5                   | 16QAM      | 1     | 12        | 23.34      | 23.48      | 23.30      |            | 24.5               | 1        |  |  |  |  |  |  |
| 5                   | 16QAM      | 1     | 24        | 23.31      | 23.52      | 23.29      |            |                    |          |  |  |  |  |  |  |
| 5                   |            |       |           |            |            |            |            |                    |          |  |  |  |  |  |  |

| Band 7 Ant0 Default |            |         |           |                 |            |            |              |          |    |   |
|---------------------|------------|---------|-----------|-----------------|------------|------------|--------------|----------|----|---|
| RF (MHz)            | Modulation | RB Size | RB Offset | Power (mW)      | Power (mW) | Power (mW) | Turn-on (ms) | MPE (dB) |    |   |
| Channel             |            |         |           | Ch. Freq. (MHz) | Power (mW) | Power (mW) |              |          |    |   |
| Channel             |            |         |           | 20500           | 21100      | 21400      |              |          |    |   |
| Frequency (MHz)     |            |         |           | 20500           | 21100      | 21400      | Turn-on (ms) | MPE (dB) |    |   |
| 20                  | QPSK       | 1       | 0         | 24.00           | 24.15      | 24.00      |              |          |    |   |
| 20                  | QPSK       | 1       | 48        | 24.04           | 24.13      | 24.00      |              |          | 25 | 0 |
| 20                  | QPSK       | 1       | 96        | 24.08           | 24.09      | 24.00      |              |          |    |   |
| 20                  | QPSK       | 50      | 0         | 25.13           | 25.23      | 25.17      |              |          |    |   |
| 20                  | QPSK       | 50      | 24        | 25.08           | 25.23      | 25.14      |              |          | 24 | 1 |
| 20                  | QPSK       | 50      | 48        | 25.03           | 25.23      | 25.14      |              |          |    |   |
| 20                  | QPSK       | 100     | 0         | 25.06           | 25.13      | 25.06      |              |          |    |   |
| 20                  | 16QAM      | 1       | 0         | 25.25           | 25.32      | 25.19      |              |          |    |   |
| 20                  | 16QAM      | 1       | 48        | 25.14           | 25.26      | 25.18      |              |          | 24 | 1 |
| 20                  | 16QAM      | 1       | 96        | 25.13           | 25.25      | 25.19      |              |          |    |   |
| 20                  | 16QAM      | 50      | 0         | 25.07           | 25.17      | 25.12      |              |          |    |   |
| 20                  | 16QAM      | 50      | 24        | 25.08           | 25.22      | 25.17      |              |          | 23 | 2 |
| 20                  | 16QAM      | 50      | 48        | 25.07           | 25.22      | 25.17      |              |          |    |   |
| 20                  | 16QAM      | 100     | 0         | 25.16           | 25.25      | 25.16      |              |          |    |   |
| 20                  | 16QAM      | 1       | 0         | 25.24           | 25.29      | 25.19      |              |          | 23 |   |
| 20                  | 16QAM      | 1       | 48        | 25.18           | 25.29      | 25.21      |              |          |    |   |
| 20                  | 16QAM      | 1       | 96        | 25.11           | 25.21      | 25.06      |              |          |    |   |
| 20                  | 16QAM      | 50      | 0         | 25.03           | 25.13      | 25.06      |              |          | 22 | 3 |
| 20                  | 16QAM      | 50      | 24        | 25.04           | 25.16      | 25.08      |              |          |    |   |
| 20                  | 16QAM      | 100     | 0         | 25.02           | 25.18      | 25.01      |              |          |    |   |
| 20                  | 16QAM      | 1       | 48        | 25.09           | 25.22      | 25.14      |              |          |    |   |
| 20                  | 16QAM      | 1       | 96        | 25.02           | 25.19      | 25.11      |              |          | 20 | 5 |
| 20                  | 16QAM      | 1       | 99        | 25.09           | 25.23      | 25.15      |              |          |    |   |
| 20                  | 16QAM      | 50      | 0         | 25.03           | 25.17      | 25.03      |              |          |    |   |
| 20                  | 16QAM      | 50      | 24        | 25.06           | 25.20      | 25.10      |              |          | 20 | 5 |
| 20                  | 16QAM      | 50      | 50        | 25.08           | 25.11      | 25.03      |              |          |    |   |
| 20                  | 16QAM      | 50      | 0         | 25.10           | 25.24      | 25.14      |              |          |    |   |
| Channel             |            |         |           | 20500           | 21100      | 21400      | Turn-on (ms) | MPE (dB) |    |   |
| Frequency (MHz)     |            |         |           | 20500           | 21100      | 21400      | Turn-on (ms) | MPE (dB) |    |   |
| 15                  | QPSK       | 1       | 0         | 24.05           | 24.06      | 24.00      |              |          |    |   |
| 15                  | QPSK       | 1       | 48        | 24.05           | 24.00      | 24.00      |              |          | 25 | 0 |
| 15                  | QPSK       | 1       | 96        | 24.05           | 24.00      | 24.00      |              |          |    |   |
| 15                  | QPSK       | 1       | 74        | 23.88           | 23.94      | 23.79      |              |          |    |   |
| 15                  | QPSK       | 36      | 0         | 23.00           | 23.13      | 23.12      |              |          |    |   |
| 15                  | QPSK       | 36      | 24        | 23.00           | 23.13      | 23.08      |              |          | 24 | 1 |
| 15                  | QPSK       | 36      | 48        | 23.00           | 23.07      | 23.00      |              |          |    |   |
| 15                  | QPSK       | 36      | 72        | 22.97           | 23.09      | 22.98      |              |          |    |   |
| 15                  | QPSK       | 75      | 0         | 23.03           | 23.06      | 22.96      |              |          |    |   |
| 15                  | 16QAM      | 1       | 0         | 23.10           | 23.13      | 23.06      |              |          | 24 | 1 |
| 15                  | 16QAM      | 1       | 37        | 23.00           | 23.14      | 23.04      |              |          |    |   |
| 15                  | 16QAM      | 1       | 74        | 23.04           | 23.06      | 23.00      |              |          |    |   |
| 15                  | 16QAM      | 36      | 0         | 22.99           | 23.07      | 23.00      |              |          |    |   |
| 15                  | 16QAM      | 36      | 24        | 22.99           | 23.07      | 23.00      |              |          | 23 | 2 |
| 15                  | 16QAM      | 36      | 48        | 22.99           | 23.06      | 23.00      |              |          |    |   |
| 15                  | 16QAM      | 36      | 72        | 22.90           | 22.97      | 22.91      |              |          |    |   |
| 15                  | 16QAM      | 75      | 0         | 22.99           | 23.06      | 22.96      |              |          | 23 | 2 |
| 15                  | 16QAM      | 1       | 74        | 22.95           | 23.06      | 23.00      |              |          |    |   |
| 15                  | 16QAM      | 1       | 99        | 22.95           | 23.06      |            |              |          |    |   |

| Band 38 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2500                  | 2595                     | 2610                   |                     |          |  |
| 20                   | QPSK       | 1       | 0         | 23.94                 | 24.08                    | 23.97                  | 25                  | 0        |  |
| 20                   | QPSK       | 1       | 49        | 23.91                 | 24.06                    | 23.97                  |                     |          |  |
| 20                   | QPSK       | 1       | 99        | 23.79                 | 23.88                    | 23.75                  |                     |          |  |
| 20                   | QPSK       | 50      | 0         | 22.91                 | 22.95                    | 22.81                  | 24                  | 1        |  |
| 20                   | QPSK       | 50      | 24        | 22.90                 | 22.95                    | 22.85                  |                     |          |  |
| 20                   | QPSK       | 50      | 50        | 22.89                 | 22.94                    | 22.81                  |                     |          |  |
| 20                   | QPSK       | 100     | 0         | 22.83                 | 22.96                    | 22.83                  | 24                  | 1        |  |
| 20                   | 16QAM      | 1       | 0         | 22.91                 | 22.99                    | 22.94                  |                     |          |  |
| 20                   | 16QAM      | 1       | 49        | 22.94                 | 23.04                    | 22.96                  |                     |          |  |
| 20                   | 16QAM      | 1       | 99        | 22.77                 | 22.92                    | 22.77                  | 23                  | 2        |  |
| 20                   | 16QAM      | 50      | 0         | 22.01                 | 22.05                    | 21.94                  |                     |          |  |
| 20                   | 16QAM      | 50      | 24        | 21.90                 | 21.96                    | 21.92                  |                     |          |  |
| 20                   | 16QAM      | 50      | 50        | 21.87                 | 22.01                    | 21.93                  | 23                  | 2        |  |
| 20                   | 16QAM      | 100     | 0         | 22.07                 | 22.11                    | 22.07                  |                     |          |  |
| 20                   | 64QAM      | 1       | 0         | 21.81                 | 21.87                    | 21.73                  |                     |          |  |
| 20                   | 64QAM      | 1       | 49        | 21.72                 | 21.84                    | 21.81                  | 23                  | 2        |  |
| 20                   | 64QAM      | 1       | 99        | 21.86                 | 21.93                    | 21.86                  |                     |          |  |
| 20                   | 64QAM      | 50      | 0         | 21.00                 | 21.12                    | 21.03                  |                     |          |  |
| 20                   | 64QAM      | 50      | 24        | 21.02                 | 21.06                    | 21.00                  | 22                  | 3        |  |
| 20                   | 64QAM      | 50      | 50        | 20.93                 | 20.97                    | 20.94                  |                     |          |  |
| 20                   | 64QAM      | 100     | 0         | 21.01                 | 21.08                    | 20.95                  |                     |          |  |
| 20                   | 256QAM     | 1       | 0         | 18.83                 | 18.94                    | 18.84                  | 20                  | 5        |  |
| 20                   | 256QAM     | 1       | 49        | 18.97                 | 19.01                    | 18.97                  |                     |          |  |
| 20                   | 256QAM     | 1       | 99        | 18.93                 | 19.07                    | 19.04                  |                     |          |  |
| 20                   | 256QAM     | 50      | 0         | 19.03                 | 19.12                    | 19.04                  | 20                  | 5        |  |
| 20                   | 256QAM     | 50      | 24        | 18.99                 | 19.03                    | 18.96                  |                     |          |  |
| 20                   | 256QAM     | 50      | 50        | 18.87                 | 18.98                    | 18.93                  |                     |          |  |
| 20                   | 256QAM     | 100     | 0         | 19.04                 | 19.10                    | 19.02                  | Channel             |          |  |
| Frequency (MHz)      |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                   | QPSK       | 1       | 0         | 23.78                 | 24.04                    | 23.86                  | 25                  | 0        |  |
| 15                   | QPSK       | 1       | 37        | 23.85                 | 24.00                    | 23.94                  |                     |          |  |
| 15                   | QPSK       | 1       | 74        | 23.70                 | 23.81                    | 23.71                  |                     |          |  |
| 15                   | QPSK       | 36      | 0         | 22.82                 | 22.96                    | 22.84                  | 24                  | 1        |  |
| 15                   | QPSK       | 36      | 20        | 22.80                 | 22.83                    | 22.75                  |                     |          |  |
| 15                   | QPSK       | 36      | 39        | 22.82                 | 22.87                    | 22.74                  |                     |          |  |
| 15                   | QPSK       | 75      | 0         | 22.79                 | 22.86                    | 22.73                  | 24                  | 1        |  |
| 15                   | 16QAM      | 1       | 0         | 22.81                 | 22.89                    | 22.90                  |                     |          |  |
| 15                   | 16QAM      | 1       | 37        | 22.81                 | 22.90                    | 22.83                  |                     |          |  |
| 15                   | 16QAM      | 1       | 74        | 22.71                 | 22.80                    | 22.67                  | 23                  | 2        |  |
| 15                   | 16QAM      | 36      | 0         | 21.94                 | 21.95                    | 21.81                  |                     |          |  |
| 15                   | 16QAM      | 36      | 20        | 21.77                 | 21.91                    | 21.83                  |                     |          |  |
| 15                   | 16QAM      | 36      | 39        | 21.79                 | 21.93                    | 21.87                  | 23                  | 2        |  |
| 15                   | 16QAM      | 75      | 0         | 22.01                 | 22.08                    | 21.96                  |                     |          |  |
| 15                   | 64QAM      | 1       | 0         | 21.72                 | 21.73                    | 21.70                  |                     |          |  |
| 15                   | 64QAM      | 1       | 37        | 21.63                 | 21.74                    | 21.66                  | 22                  | 3        |  |
| 15                   | 64QAM      | 1       | 74        | 21.75                 | 21.80                    | 21.76                  |                     |          |  |
| 15                   | 64QAM      | 36      | 0         | 20.97                 | 21.02                    | 20.97                  |                     |          |  |
| 15                   | 64QAM      | 36      | 20        | 20.91                 | 21.03                    | 20.86                  | 20                  | 5        |  |
| 15                   | 64QAM      | 36      | 39        | 20.83                 | 20.93                    | 20.87                  |                     |          |  |
| 15                   | 64QAM      | 75      | 0         | 20.90                 | 20.97                    | 20.86                  |                     |          |  |
| 15                   | 256QAM     | 1       | 0         | 18.74                 | 18.86                    | 18.78                  | 20                  | 5        |  |
| 15                   | 256QAM     | 1       | 37        | 18.82                 | 18.97                    | 18.83                  |                     |          |  |
| 15                   | 256QAM     | 1       | 74        | 18.82                 | 19.02                    | 18.93                  |                     |          |  |
| 15                   | 256QAM     | 36      | 0         | 18.94                 | 18.98                    | 19.00                  | 20                  | 5        |  |
| 15                   | 256QAM     | 36      | 20        | 18.87                 | 18.95                    | 18.91                  |                     |          |  |
| 15                   | 256QAM     | 36      | 39        | 18.81                 | 18.94                    | 18.87                  |                     |          |  |
| 15                   | 256QAM     | 75      | 0         | 18.96                 | 19.06                    | 18.97                  | Channel             |          |  |
| Frequency (MHz)      |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                   | QPSK       | 1       | 0         | 23.77                 | 23.97                    | 23.85                  | 25                  | 0        |  |
| 10                   | QPSK       | 1       | 25        | 23.84                 | 23.93                    | 23.93                  |                     |          |  |
| 10                   | QPSK       | 1       | 49        | 23.66                 | 23.82                    | 23.68                  |                     |          |  |
| 10                   | QPSK       | 25      | 0         | 22.81                 | 22.89                    | 22.84                  | 24                  | 1        |  |
| 10                   | QPSK       | 25      | 12        | 22.80                 | 22.90                    | 22.81                  |                     |          |  |
| 10                   | QPSK       | 25      | 25        | 22.85                 | 22.85                    | 22.71                  |                     |          |  |
| 10                   | QPSK       | 50      | 0         | 22.79                 | 22.90                    | 22.70                  | 24                  | 1        |  |
| 10                   | 16QAM      | 1       | 0         | 22.76                 | 22.95                    | 22.89                  |                     |          |  |
| 10                   | 16QAM      | 1       | 25        | 22.91                 | 22.93                    | 22.91                  |                     |          |  |
| 10                   | 16QAM      | 1       | 49        | 22.70                 | 22.78                    | 22.69                  | 23                  | 2        |  |
| 10                   | 16QAM      | 25      | 0         | 21.91                 | 21.99                    | 21.80                  |                     |          |  |
| 10                   | 16QAM      | 25      | 12        | 21.82                 | 21.90                    | 21.81                  |                     |          |  |
| 10                   | 16QAM      | 25      | 25        | 21.82                 | 21.92                    | 21.89                  | 23                  | 2        |  |
| 10                   | 16QAM      | 50      | 0         | 21.97                 | 21.98                    | 21.98                  |                     |          |  |
| 10                   | 64QAM      | 1       | 0         | 21.72                 | 21.79                    | 21.67                  |                     |          |  |
| 10                   | 64QAM      | 1       | 25        | 21.67                 | 21.75                    | 21.76                  | 22                  | 3        |  |
| 10                   | 64QAM      | 1       | 49        | 21.82                 | 21.86                    | 21.72                  |                     |          |  |
| 10                   | 64QAM      | 25      | 0         | 20.94                 | 21.08                    | 20.90                  |                     |          |  |
| 10                   | 64QAM      | 25      | 12        | 20.96                 | 20.98                    | 20.88                  | 20                  | 5        |  |
| 10                   | 64QAM      | 25      | 25        | 20.81                 | 20.92                    | 20.90                  |                     |          |  |
| 10                   | 64QAM      | 50      | 0         | 20.98                 | 20.97                    | 20.89                  |                     |          |  |
| 10                   | 256QAM     | 1       | 0         | 18.75                 | 18.85                    | 18.79                  | 20                  | 5        |  |
| 10                   | 256QAM     | 1       | 25        | 18.83                 | 18.95                    | 18.92                  |                     |          |  |
| 10                   | 256QAM     | 1       | 49        | 18.78                 | 18.98                    | 18.99                  |                     |          |  |
| 10                   | 256QAM     | 25      | 0         | 18.98                 | 18.99                    | 18.91                  | 20                  | 5        |  |
| 10                   | 256QAM     | 25      | 12        | 18.88                 | 18.96                    | 18.93                  |                     |          |  |
| 10                   | 256QAM     | 25      | 25        | 18.76                 | 18.92                    | 18.88                  |                     |          |  |
| 10                   | 256QAM     | 50      | 0         | 18.99                 | 18.98                    | 18.92                  | Channel             |          |  |
| Frequency (MHz)      |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                    | QPSK       | 1       | 0         | 23.77                 | 23.94                    | 23.89                  | 25                  | 0        |  |
| 5                    | QPSK       | 1       | 12        | 23.85                 | 23.99                    | 23.86                  |                     |          |  |
| 5                    | QPSK       | 1       | 24        | 23.75                 | 23.74                    | 23.68                  |                     |          |  |
| 5                    | QPSK       | 12      | 0         | 22.83                 | 22.96                    | 22.87                  | 24                  | 1        |  |
| 5                    | QPSK       | 12      | 7         | 22.77                 | 22.91                    | 22.76                  |                     |          |  |
| 5                    | QPSK       | 12      | 13        | 22.78                 | 22.81                    | 22.67                  |                     |          |  |
| 5                    | QPSK       | 25      | 0         | 22.68                 | 22.89                    | 22.79                  | 24                  | 1        |  |
| 5                    | 16QAM      | 1       | 0         | 22.76                 | 22.92                    | 22.83                  |                     |          |  |
| 5                    | 16QAM      | 1       | 12        | 22.86                 | 22.91                    | 22.89                  |                     |          |  |
| 5                    | 16QAM      | 1       | 24        | 22.63                 | 22.87                    | 22.63                  | 23                  | 2        |  |
| 5                    | 16QAM      | 12      | 0         | 21.88                 | 21.97                    | 21.86                  |                     |          |  |
| 5                    | 16QAM      | 12      | 7         | 21.76                 | 21.92                    | 21.87                  |                     |          |  |
| 5                    | 16QAM      | 12      | 13        | 21.80                 | 21.95                    | 21.89                  | 23                  | 2        |  |
| 5                    | 16QAM      | 25      | 0         | 21.93                 | 22.05                    | 22.04                  |                     |          |  |
| 5                    | 64QAM      | 1       | 0         | 21.67                 | 21.80                    | 21.62                  |                     |          |  |
| 5                    | 64QAM      | 1       | 12        | 21.65                 | 21.72                    | 21.68                  | 22                  | 3        |  |
| 5                    | 64QAM      | 1       | 24        | 21.83                 | 21.80                    | 21.79                  |                     |          |  |
| 5                    | 64QAM      | 12      | 0         | 20.88                 | 21.03                    | 20.93                  |                     |          |  |
| 5                    | 64QAM      | 12      | 7         | 20.97                 | 21.00                    | 20.93                  | 20                  | 5        |  |
| 5                    | 64QAM      | 12      | 13        | 20.85                 | 20.83                    | 20.90                  |                     |          |  |
| 5                    | 64QAM      | 25      | 0         | 20.94                 | 21.02                    | 20.86                  |                     |          |  |
| 5                    | 256QAM     | 1       | 0         | 18.71                 | 18.90                    | 18.72                  | 20                  | 5        |  |
| 5                    | 256QAM     | 1       | 12        | 18.93                 | 18.95                    | 18.85                  |                     |          |  |
| 5                    | 256QAM     | 1       | 24        | 18.85                 | 18.95                    | 18.92                  |                     |          |  |
| 5                    | 256QAM     | 12      | 0         | 18.95                 | 19.06                    | 19.00                  | 20                  | 5        |  |
| 5                    | 256QAM     | 12      | 7         | 18.84                 | 18.99                    | 18.92                  |                     |          |  |
| 5                    | 256QAM     | 12      | 13        | 18.83                 | 18.90                    | 18.87                  |                     |          |  |
| 5                    | 256QAM     | 25      | 0         | 19.00                 | 18.97                    | 18.90                  |                     |          |  |

### GSM850 Ant1 Default

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| TX Channel      | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| Frequency (MHz) |                           |       |       |                     |                           |       |       |                     |
| GSM 1 Tx slot   | 32.89                     | 32.93 | 32.87 | 34.50               | 23.89                     | 23.93 | 23.87 | 25.50               |
| GPRS 1 Tx slot  | 32.82                     | 32.89 | 32.83 | 34.50               | 23.82                     | 23.89 | 23.83 | 25.50               |
| GPRS 2 Tx slots | 29.93                     | 29.96 | 29.93 | 31.50               | 23.93                     | 23.96 | 23.93 | 25.50               |
| GPRS 4 Tx slots | 28.02                     | 28.12 | 28.06 | 30.00               | 23.76                     | 23.86 | 23.80 | 25.74               |
| GPRS 4 Tx slots | 26.61                     | 26.75 | 26.71 | 28.50               | 23.61                     | 23.75 | 23.71 | 25.50               |
| EDGE 1 Tx slot  | 26.96                     | 27.05 | 26.97 | 28.00               | 17.96                     | 18.05 | 17.97 | 19.00               |
| EDGE 2 Tx slots | 24.12                     | 24.16 | 24.08 | 25.00               | 18.12                     | 18.16 | 18.08 | 19.00               |
| EDGE 3 Tx slots | 22.16                     | 22.21 | 22.13 | 23.00               | 17.90                     | 17.95 | 17.87 | 18.74               |
| EDGE 4 Tx slots | 20.64                     | 20.78 | 20.64 | 22.00               | 17.64                     | 17.78 | 17.64 | 19.00               |

### WCDMA V Ant1 Default

| Band            |                       | WCDMA V |       |       | Tune-up Limit (dBm) |
|-----------------|-----------------------|---------|-------|-------|---------------------|
| TX Channel      |                       | 4182    | 4182  | 4233  |                     |
| Rxt Channel     |                       | 4357    | 4407  | 4458  |                     |
| Frequency (MHz) |                       | 826.4   | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2kbps          | 23.77   | 24.03 | 23.69 | 25.50               |
| 3GPP Rel 99     | RM-C 12.2kbps         | 23.79   | 24.12 | 23.72 | 25.50               |
| 3GPP Rel 6      | HSDPA Subtest-1       | 22.94   | 23.08 | 22.85 | 24.50               |
| 3GPP Rel 6      | HSDPA Subtest-2       | 22.89   | 23.17 | 22.84 | 24.50               |
| 3GPP Rel 6      | HSDPA Subtest-3       | 22.48   | 22.70 | 22.37 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-4       | 22.43   | 22.57 | 22.33 | 24.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1    | 22.95   | 23.05 | 22.83 | 24.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2    | 22.94   | 23.18 | 22.80 | 24.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3    | 22.48   | 22.63 | 22.45 | 24.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4    | 22.39   | 22.56 | 22.29 | 24.00               |
| 3GPP Rel 6      | HSUPA Subtest-1       | 23.03   | 23.12 | 22.85 | 24.50               |
| 3GPP Rel 6      | HSUPA Subtest-2       | 20.96   | 21.11 | 20.86 | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-3       | 21.99   | 22.15 | 21.78 | 23.50               |
| 3GPP Rel 6      | HSUPA Subtest-4       | 20.97   | 21.13 | 20.87 | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-5       | 22.98   | 23.10 | 22.85 | 24.50               |
| 3GPP Rel 7      | HSPA+ (L6QAM) Subtest | 20.32   | 20.65 | 20.42 | 22.00               |





### GSM1900 Ant2 Default

| GSM1900         | Burst Average Power (dBm) |        |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|-----------------|---------------------------|--------|-------|---------------------|---------------------------|-------|--------|---------------------|
|                 | TX Channel                | 661    | 810   |                     | 512                       | 661   | 810    |                     |
|                 | Frequency (MHz)           | 1850.2 | 1880  | 1909.8              | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot   | 29.78                     | 29.86  | 29.81 | 31.50               | 20.78                     | 20.86 | 20.81  | 22.50               |
| GPRS 1 Tx slot  | 29.78                     | 29.81  | 29.76 | 31.50               | 20.78                     | 20.81 | 20.76  | 22.50               |
| GPRS 2 Tx slots | 26.79                     | 26.94  | 26.85 | 28.50               | 20.79                     | 20.94 | 20.85  | 22.50               |
| GPRS 3 Tx slots | 25.08                     | 25.12  | 25.01 | 27.00               | 20.82                     | 20.86 | 20.75  | 22.74               |
| GPRS 4 Tx slots | 22.62                     | 23.74  | 23.99 | 25.50               | 20.62                     | 20.74 | 20.59  | 22.50               |
| EDGE 1 Tx slot  | 25.69                     | 25.82  | 25.72 | 27.00               | 16.69                     | 16.82 | 16.72  | 18.00               |
| EDGE 2 Tx slots | 22.61                     | 22.71  | 22.63 | 24.00               | 16.61                     | 16.71 | 16.63  | 18.00               |
| EDGE 3 Tx slots | 20.74                     | 20.80  | 20.71 | 22.00               | 16.48                     | 16.54 | 16.45  | 17.74               |
| EDGE 4 Tx slots | 18.99                     | 19.14  | 19.04 | 20.50               | 15.99                     | 16.14 | 16.04  | 17.50               |

### WCDMA II Ant2 Default

### WCDMA IV Ant2 Default

| Band            |                         | WCDMA II |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        | Tune-up Limit (dBm) |
|-----------------|-------------------------|----------|-------|--------|---------------------|----------|--------|--------|---------------------|
| TX Channel      |                         | 9262     | 9400  | 9538   |                     | 1312     | 1413   | 1513   |                     |
| Rx Channel      |                         | 9652     | 9800  | 9938   |                     | 1537     | 1638   | 1738   |                     |
| Frequency (MHz) |                         | 1852.4   | 1880  | 1907.6 |                     | 1712.4   | 1732.6 | 1753.6 |                     |
| 3GPP Rel 99     | AMR 12.2kbps            | 23.67    | 23.71 | 23.61  | 25.50               | 23.73    | 23.96  | 23.93  | 25.50               |
| 3GPP Rel 99     | RMC 12.2kbps            | 23.76    | 23.82 | 23.65  | 25.50               | 23.77    | 24.06  | 23.91  | 25.50               |
| 3GPP Rel 6      | HSDPA Subtest-1         | 22.73    | 22.74 | 22.61  | 24.50               | 22.87    | 23.00  | 22.76  | 24.50               |
| 3GPP Rel 6      | HSDPA Subtest-2         | 22.78    | 22.77 | 22.66  | 24.50               | 22.85    | 23.08  | 22.77  | 24.50               |
| 3GPP Rel 6      | HSDPA Subtest-3         | 22.32    | 22.34 | 22.20  | 24.00               | 22.45    | 22.60  | 22.32  | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-4         | 22.25    | 22.28 | 22.08  | 24.00               | 22.32    | 22.53  | 22.20  | 24.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 22.71    | 22.76 | 22.56  | 24.50               | 22.89    | 22.99  | 22.82  | 24.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 22.76    | 22.77 | 22.66  | 24.50               | 22.89    | 23.10  | 22.75  | 24.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 22.28    | 22.27 | 22.17  | 24.00               | 22.37    | 22.56  | 22.40  | 24.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 22.20    | 22.24 | 22.06  | 24.00               | 22.34    | 22.54  | 22.17  | 24.00               |
| 3GPP Rel 6      | HSUPA Subtest-1         | 22.73    | 22.72 | 22.54  | 24.50               | 22.91    | 23.03  | 22.79  | 24.50               |
| 3GPP Rel 6      | HSUPA Subtest-2         | 20.74    | 20.74 | 20.59  | 22.50               | 20.92    | 20.99  | 20.76  | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-3         | 21.74    | 21.77 | 21.64  | 23.50               | 21.96    | 22.01  | 21.74  | 23.50               |
| 3GPP Rel 6      | HSUPA Subtest-4         | 20.74    | 20.75 | 20.63  | 22.50               | 20.89    | 21.01  | 20.79  | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-5         | 22.75    | 22.78 | 22.61  | 24.50               | 22.93    | 23.04  | 22.78  | 24.50               |
| 3GPP Rel 7      | HSPA+ (L6QAM) Subtest-1 | 20.21    | 20.35 | 20.31  | 22.00               | 20.42    | 20.56  | 20.41  | 22.00               |



| Band 38 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  | 24.5                | 0        |  |
| Frequency (MHz)      |            |         |           | 2590                  | 2595                     | 2610                   |                     |          |  |
| 20                   | QPSK       | 1       | 0         | 23.55                 | 23.57                    | 23.52                  |                     |          |  |
| 20                   | QPSK       | 1       | 49        | 23.40                 | 23.53                    | 23.45                  | 23.5                | 1        |  |
| 20                   | QPSK       | 1       | 99        | 23.27                 | 23.35                    | 23.23                  |                     |          |  |
| 20                   | QPSK       | 50      | 0         | 22.52                 | 22.58                    | 22.45                  |                     |          |  |
| 20                   | QPSK       | 50      | 24        | 22.36                 | 22.48                    | 22.36                  | 23.5                | 1        |  |
| 20                   | QPSK       | 50      | 50        | 22.35                 | 22.41                    | 22.34                  |                     |          |  |
| 20                   | QPSK       | 100     | 0         | 22.45                 | 22.52                    | 22.43                  |                     |          |  |
| 20                   | 16QAM      | 1       | 0         | 22.44                 | 22.47                    | 22.45                  | 23.5                | 1        |  |
| 20                   | 16QAM      | 1       | 49        | 22.27                 | 22.38                    | 22.25                  |                     |          |  |
| 20                   | 16QAM      | 1       | 99        | 22.30                 | 22.38                    | 22.26                  |                     |          |  |
| 20                   | 16QAM      | 50      | 0         | 21.47                 | 21.55                    | 21.44                  | 22.5                | 2        |  |
| 20                   | 16QAM      | 50      | 24        | 21.37                 | 21.48                    | 21.38                  |                     |          |  |
| 20                   | 16QAM      | 50      | 50        | 21.24                 | 21.37                    | 21.26                  |                     |          |  |
| 20                   | 16QAM      | 100     | 0         | 21.34                 | 21.48                    | 21.36                  | 22.5                | 2        |  |
| 20                   | 64QAM      | 1       | 0         | 21.50                 | 21.57                    | 21.48                  |                     |          |  |
| 20                   | 64QAM      | 1       | 49        | 21.42                 | 21.50                    | 21.42                  |                     |          |  |
| 20                   | 64QAM      | 1       | 99        | 21.32                 | 21.29                    | 21.35                  | 21.5                | 3        |  |
| 20                   | 64QAM      | 50      | 0         | 20.47                 | 20.54                    | 20.41                  |                     |          |  |
| 20                   | 64QAM      | 50      | 24        | 20.39                 | 20.47                    | 20.40                  |                     |          |  |
| 20                   | 64QAM      | 50      | 50        | 20.33                 | 20.39                    | 20.30                  | 19.5                | 5        |  |
| 20                   | 64QAM      | 100     | 0         | 20.41                 | 20.51                    | 20.44                  |                     |          |  |
| 20                   | 256QAM     | 1       | 0         | 18.48                 | 18.55                    | 18.47                  |                     |          |  |
| 20                   | 256QAM     | 1       | 49        | 18.44                 | 18.53                    | 18.39                  | 19.5                | 5        |  |
| 20                   | 256QAM     | 1       | 99        | 18.40                 | 18.30                    | 18.37                  |                     |          |  |
| 20                   | 256QAM     | 50      | 0         | 18.46                 | 18.58                    | 18.46                  |                     |          |  |
| 20                   | 256QAM     | 50      | 24        | 18.42                 | 18.52                    | 18.44                  | 19.5                | 5        |  |
| 20                   | 256QAM     | 50      | 50        | 18.34                 | 18.46                    | 18.34                  |                     |          |  |
| 20                   | 256QAM     | 100     | 0         | 18.34                 | 18.47                    | 18.40                  |                     |          |  |
| Channel              |            |         |           | 37825                 | 38000                    | 38175                  | 24.5                | 0        |  |
| Frequency (MHz)      |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                   | QPSK       | 1       | 0         | 23.45                 | 23.46                    | 23.42                  |                     |          |  |
| 15                   | QPSK       | 1       | 37        | 23.27                 | 23.43                    | 23.34                  | 23.5                | 1        |  |
| 15                   | QPSK       | 1       | 74        | 23.18                 | 23.23                    | 23.15                  |                     |          |  |
| 15                   | QPSK       | 36      | 0         | 22.44                 | 22.49                    | 22.37                  |                     |          |  |
| 15                   | QPSK       | 36      | 20        | 22.24                 | 22.38                    | 22.25                  | 23.5                | 1        |  |
| 15                   | QPSK       | 36      | 39        | 22.26                 | 22.30                    | 22.24                  |                     |          |  |
| 15                   | QPSK       | 75      | 0         | 22.34                 | 22.40                    | 22.35                  |                     |          |  |
| 15                   | 16QAM      | 1       | 0         | 22.31                 | 22.40                    | 22.33                  | 23.5                | 1        |  |
| 15                   | 16QAM      | 1       | 37        | 22.15                 | 22.25                    | 22.16                  |                     |          |  |
| 15                   | 16QAM      | 1       | 74        | 22.17                 | 22.29                    | 22.20                  |                     |          |  |
| 15                   | 16QAM      | 36      | 0         | 21.37                 | 21.46                    | 21.32                  | 22.5                | 2        |  |
| 15                   | 16QAM      | 36      | 20        | 21.27                 | 21.38                    | 21.28                  |                     |          |  |
| 15                   | 16QAM      | 36      | 39        | 21.15                 | 21.25                    | 21.16                  |                     |          |  |
| 15                   | 16QAM      | 75      | 0         | 21.26                 | 21.42                    | 21.29                  | 22.5                | 2        |  |
| 15                   | 64QAM      | 1       | 0         | 21.42                 | 21.47                    | 21.38                  |                     |          |  |
| 15                   | 64QAM      | 1       | 37        | 21.33                 | 21.37                    | 21.35                  |                     |          |  |
| 15                   | 64QAM      | 1       | 74        | 21.23                 | 21.15                    | 21.27                  | 21.5                | 3        |  |
| 15                   | 64QAM      | 36      | 0         | 20.37                 | 20.43                    | 20.31                  |                     |          |  |
| 15                   | 64QAM      | 36      | 20        | 20.28                 | 20.38                    | 20.34                  |                     |          |  |
| 15                   | 64QAM      | 36      | 39        | 20.20                 | 20.27                    | 20.20                  | 19.5                | 5        |  |
| 15                   | 64QAM      | 75      | 0         | 20.33                 | 20.42                    | 20.35                  |                     |          |  |
| 15                   | 256QAM     | 1       | 0         | 18.38                 | 18.46                    | 18.36                  |                     |          |  |
| 15                   | 256QAM     | 1       | 37        | 18.31                 | 18.45                    | 18.32                  | 19.5                | 5        |  |
| 15                   | 256QAM     | 1       | 74        | 18.32                 | 18.18                    | 18.25                  |                     |          |  |
| 15                   | 256QAM     | 36      | 0         | 18.33                 | 18.49                    | 18.32                  |                     |          |  |
| 15                   | 256QAM     | 36      | 20        | 18.30                 | 18.41                    | 18.35                  | 19.5                | 5        |  |
| 15                   | 256QAM     | 36      | 39        | 18.22                 | 18.40                    | 18.24                  |                     |          |  |
| 15                   | 256QAM     | 75      | 0         | 18.25                 | 18.41                    | 18.29                  |                     |          |  |
| Channel              |            |         |           | 37800                 | 38000                    | 38200                  | 24.5                | 0        |  |
| Frequency (MHz)      |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                   | QPSK       | 1       | 0         | 23.48                 | 23.50                    | 23.45                  |                     |          |  |
| 10                   | QPSK       | 1       | 25        | 23.28                 | 23.46                    | 23.38                  | 23.5                | 1        |  |
| 10                   | QPSK       | 1       | 49        | 23.16                 | 23.24                    | 23.16                  |                     |          |  |
| 10                   | QPSK       | 25      | 0         | 22.43                 | 22.47                    | 22.34                  |                     |          |  |
| 10                   | QPSK       | 25      | 12        | 22.29                 | 22.39                    | 22.25                  | 23.5                | 1        |  |
| 10                   | QPSK       | 25      | 25        | 22.23                 | 22.29                    | 22.22                  |                     |          |  |
| 10                   | QPSK       | 50      | 0         | 22.33                 | 22.39                    | 22.33                  |                     |          |  |
| 10                   | 16QAM      | 1       | 0         | 22.33                 | 22.34                    | 22.34                  | 23.5                | 1        |  |
| 10                   | 16QAM      | 1       | 25        | 22.20                 | 22.28                    | 22.12                  |                     |          |  |
| 10                   | 16QAM      | 1       | 49        | 22.22                 | 22.24                    | 22.18                  |                     |          |  |
| 10                   | 16QAM      | 25      | 0         | 21.39                 | 21.43                    | 21.37                  | 22.5                | 2        |  |
| 10                   | 16QAM      | 25      | 12        | 21.25                 | 21.40                    | 21.27                  |                     |          |  |
| 10                   | 16QAM      | 25      | 25        | 21.13                 | 21.25                    | 21.13                  |                     |          |  |
| 10                   | 16QAM      | 50      | 0         | 21.24                 | 21.38                    | 21.27                  | 22.5                | 2        |  |
| 10                   | 64QAM      | 1       | 0         | 21.38                 | 21.45                    | 21.39                  |                     |          |  |
| 10                   | 64QAM      | 1       | 25        | 21.34                 | 21.42                    | 21.35                  |                     |          |  |
| 10                   | 64QAM      | 1       | 49        | 21.23                 | 21.20                    | 21.26                  | 21.5                | 3        |  |
| 10                   | 64QAM      | 25      | 0         | 20.38                 | 20.42                    | 20.29                  |                     |          |  |
| 10                   | 64QAM      | 25      | 12        | 20.27                 | 20.41                    | 20.29                  |                     |          |  |
| 10                   | 64QAM      | 25      | 25        | 20.26                 | 20.33                    | 20.23                  | 19.5                | 5        |  |
| 10                   | 64QAM      | 50      | 0         | 20.29                 | 20.40                    | 20.32                  |                     |          |  |
| 10                   | 256QAM     | 1       | 0         | 18.42                 | 18.44                    | 18.36                  |                     |          |  |
| 10                   | 256QAM     | 1       | 25        | 18.36                 | 18.43                    | 18.31                  | 19.5                | 5        |  |
| 10                   | 256QAM     | 1       | 49        | 18.28                 | 18.16                    | 18.36                  |                     |          |  |
| 10                   | 256QAM     | 25      | 0         | 18.37                 | 18.47                    | 18.36                  |                     |          |  |
| 10                   | 256QAM     | 25      | 12        | 18.31                 | 18.41                    | 18.32                  | 19.5                | 5        |  |
| 10                   | 256QAM     | 25      | 25        | 18.25                 | 18.33                    | 18.25                  |                     |          |  |
| 10                   | 256QAM     | 50      | 0         | 18.21                 | 18.37                    | 18.32                  |                     |          |  |
| Channel              |            |         |           | 37775                 | 38000                    | 38225                  | 24.5                | 0        |  |
| Frequency (MHz)      |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                    | QPSK       | 1       | 0         | 23.43                 | 23.44                    | 23.43                  |                     |          |  |
| 5                    | QPSK       | 1       | 12        | 23.33                 | 23.41                    | 23.33                  | 23.5                | 1        |  |
| 5                    | QPSK       | 1       | 24        | 23.19                 | 23.25                    | 23.14                  |                     |          |  |
| 5                    | QPSK       | 12      | 0         | 22.46                 | 22.48                    | 22.35                  |                     |          |  |
| 5                    | QPSK       | 12      | 7         | 22.30                 | 22.39                    | 22.26                  | 23.5                | 1        |  |
| 5                    | QPSK       | 12      | 13        | 22.26                 | 22.31                    | 22.28                  |                     |          |  |
| 5                    | QPSK       | 25      | 0         | 22.37                 | 22.38                    | 22.30                  |                     |          |  |
| 5                    | 16QAM      | 1       | 0         | 22.35                 | 22.39                    | 22.37                  | 23.5                | 1        |  |
| 5                    | 16QAM      | 1       | 12        | 22.19                 | 22.24                    | 22.12                  |                     |          |  |
| 5                    | 16QAM      | 1       | 24        | 22.22                 | 22.30                    | 22.15                  |                     |          |  |
| 5                    | 16QAM      | 12      | 0         | 21.40                 | 21.46                    | 21.36                  | 22.5                | 2        |  |
| 5                    | 16QAM      | 12      | 7         | 21.30                 | 21.39                    | 21.31                  |                     |          |  |
| 5                    | 16QAM      | 12      | 13        | 21.11                 | 21.25                    | 21.15                  |                     |          |  |
| 5                    | 16QAM      | 25      | 0         | 21.27                 | 21.39                    | 21.25                  | 22.5                | 2        |  |
| 5                    | 64QAM      | 1       | 0         | 21.38                 | 21.44                    | 21.39                  |                     |          |  |
| 5                    | 64QAM      | 1       | 12        | 21.35                 | 21.39                    | 21.29                  |                     |          |  |
| 5                    | 64QAM      | 1       | 24        | 21.26                 | 21.17                    | 21.24                  | 21.5                | 3        |  |
| 5                    | 64QAM      | 12      | 0         | 20.35                 | 20.46                    | 20.31                  |                     |          |  |
| 5                    | 64QAM      | 12      | 7         | 20.30                 | 20.40                    | 20.32                  |                     |          |  |
| 5                    | 64QAM      | 12      | 13        | 20.26                 | 20.30                    | 20.19                  | 19.5                | 5        |  |
| 5                    | 64QAM      | 25      | 0         | 20.30                 | 20.41                    | 20.37                  |                     |          |  |
| 5                    | 256QAM     | 1       | 0         | 18.41                 | 18.48                    | 18.40                  |                     |          |  |
| 5                    | 256QAM     | 1       | 12        | 18.32                 | 18.41                    | 18.29                  | 19.5                | 5        |  |
| 5                    | 256QAM     | 1       | 24        | 18.29                 | 18.18                    | 18.27                  |                     |          |  |
| 5                    | 256QAM     | 12      | 0         | 18.37                 | 18.45                    | 18.38                  |                     |          |  |
| 5                    | 256QAM     | 12      | 7         | 18.31                 | 18.39                    | 18.32                  | 19.5                | 5        |  |
| 5                    | 256QAM     | 12      | 13        | 18.21                 | 18.32                    | 18.23                  |                     |          |  |
| 5                    | 256QAM     | 25      | 0         | 18.22                 | 18.37                    | 18.27                  |                     |          |  |

| Band 41 Ant2 Default |            |         |           |                       |                              |                          |                               |                        |                     |          |                     |          |
|----------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Channel              |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  | 24.5                | 0        |                     |          |
| Frequency (MHz)      |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |                     |          |
| 20                   | QPSK       | 1       | 0         | 22.64                 | 22.53                        | 22.96                    | 23.23                         | 23.96                  | 23.5                | 1        |                     |          |
| 20                   | QPSK       | 1       | 49        | 22.61                 | 22.53                        | 22.95                    | 23.18                         | 23.89                  |                     |          |                     |          |
| 20                   | QPSK       | 1       | 99        | 22.69                 | 22.65                        | 22.77                    | 22.96                         | 23.61                  |                     |          |                     |          |
| 20                   | QPSK       | 50      | 0         | 21.62                 | 21.54                        | 22.01                    | 22.14                         | 22.78                  |                     |          |                     |          |
| 20                   | QPSK       | 50      | 24        | 21.57                 | 21.60                        | 21.91                    | 22.10                         | 22.79                  |                     |          |                     |          |
| 20                   | QPSK       | 50      | 50        | 21.71                 | 21.60                        | 21.81                    | 21.97                         | 22.69                  | 23.5                | 1        |                     |          |
| 20                   | QPSK       | 100     | 0         | 21.60                 | 21.51                        | 21.95                    | 22.14                         | 22.86                  |                     |          |                     |          |
| 20                   | 16QAM      | 1       | 0         | 21.52                 | 21.70                        | 21.93                    | 22.08                         | 22.75                  |                     |          |                     |          |
| 20                   | 16QAM      | 1       | 49        | 21.74                 | 21.62                        | 21.79                    | 22.04                         | 22.74                  |                     |          |                     |          |
| 20                   | 16QAM      | 1       | 99        | 21.75                 | 21.63                        | 21.80                    | 22.02                         | 22.67                  |                     |          |                     |          |
| 20                   | 16QAM      | 50      | 0         | 20.66                 | 20.54                        | 20.97                    | 21.21                         | 21.91                  | 22.5                | 2        |                     |          |
| 20                   | 16QAM      | 50      | 24        | 20.51                 | 20.60                        | 20.91                    | 21.09                         | 21.77                  |                     |          |                     |          |
| 20                   | 16QAM      | 50      | 50        | 20.66                 | 20.70                        | 20.79                    | 21.00                         | 21.78                  |                     |          |                     |          |
| 20                   | 16QAM      | 100     | 0         | 20.55                 | 20.75                        | 20.93                    | 21.14                         | 21.90                  |                     |          |                     |          |
| 20                   | 64QAM      | 1       | 0         | 20.56                 | 20.78                        | 20.96                    | 21.15                         | 21.87                  |                     |          |                     |          |
| 20                   | 64QAM      | 1       | 49        | 20.60                 | 20.52                        | 20.95                    | 21.16                         | 21.93                  | 22.5                | 2        |                     |          |
| 20                   | 64QAM      | 1       | 99        | 20.58                 | 20.51                        | 20.71                    | 20.91                         | 21.64                  |                     |          |                     |          |
| 20                   | 64QAM      | 50      | 0         | 19.65                 | 19.51                        | 20.00                    | 20.17                         | 20.87                  |                     |          |                     |          |
| 20                   | 64QAM      | 50      | 24        | 19.54                 | 19.77                        | 19.86                    | 20.08                         | 20.72                  |                     |          |                     |          |
| 20                   | 64QAM      | 50      | 50        | 19.52                 | 19.68                        | 19.83                    | 19.98                         | 20.72                  |                     |          |                     |          |
| 20                   | 256QAM     | 1       | 0         | 17.61                 | 17.54                        | 17.99                    | 18.15                         | 18.90                  | 19.5                | 5        |                     |          |
| 20                   | 256QAM     | 1       | 49        | 17.66                 | 17.52                        | 17.95                    | 18.20                         | 18.92                  |                     |          |                     |          |
| 20                   | 256QAM     | 1       | 99        | 17.62                 | 17.51                        | 17.74                    | 17.92                         | 18.66                  |                     |          |                     |          |
| 20                   | 256QAM     | 50      | 0         | 17.66                 | 17.55                        | 18.02                    | 18.24                         | 18.99                  |                     |          |                     |          |
| 20                   | 256QAM     | 50      | 24        | 17.59                 | 17.50                        | 17.98                    | 18.14                         | 18.87                  |                     |          |                     |          |
| 20                   | 256QAM     | 50      | 50        | 17.75                 | 17.66                        | 17.87                    | 18.04                         | 18.73                  | 19.5                | 5        |                     |          |
| 20                   | 256QAM     | 100     | 0         | 17.51                 | 17.66                        | 17.86                    | 18.03                         | 18.76                  |                     |          |                     |          |
| Channel              |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          | 24.50               | 0        |
| 15                   | QPSK       | 1       | 0         | 22.51                 | 22.71                        | 22.83                    | 23.12                         | 23.88                  |                     |          |                     |          |
| 15                   | QPSK       | 1       | 37        | 22.50                 | 22.65                        | 22.83                    | 23.08                         | 23.75                  |                     |          |                     |          |
| 15                   | QPSK       | 1       | 74        | 22.61                 | 22.51                        | 22.65                    | 22.85                         | 23.51                  |                     |          |                     |          |
| 15                   | QPSK       | 36      | 0         | 21.79                 | 21.71                        | 21.90                    | 22.05                         | 22.70                  |                     |          |                     |          |
| 15                   | QPSK       | 36      | 20        | 21.69                 | 21.65                        | 21.83                    | 22.00                         | 22.68                  | 23.5                | 1        |                     |          |
| 15                   | QPSK       | 36      | 39        | 21.60                 | 22.51                        | 21.73                    | 21.86                         | 22.61                  |                     |          |                     |          |
| 15                   | QPSK       | 75      | 0         | 21.78                 | 21.66                        | 21.84                    | 22.04                         | 22.79                  |                     |          |                     |          |
| 15                   | 16QAM      | 1       | 0         | 21.64                 | 21.56                        | 21.80                    | 22.01                         | 22.69                  |                     |          |                     |          |
| 15                   | 16QAM      | 1       | 37        | 21.64                 | 21.55                        | 21.69                    | 21.92                         | 22.66                  |                     |          |                     |          |
| 15                   | 16QAM      | 1       | 74        | 21.61                 | 21.57                        | 21.68                    | 21.93                         | 22.60                  | 23.5                | 1        |                     |          |
| 15                   | 16QAM      | 36      | 0         | 20.85                 | 20.70                        | 20.85                    | 21.11                         | 21.78                  |                     |          |                     |          |
| 15                   | 16QAM      | 36      | 20        | 20.65                 | 20.64                        | 20.85                    | 20.98                         | 21.65                  |                     |          |                     |          |
| 15                   | 16QAM      | 36      | 39        | 20.55                 | 20.53                        | 20.72                    | 20.90                         | 21.71                  |                     |          |                     |          |
| 15                   | 16QAM      | 75      | 0         | 20.70                 | 20.56                        | 20.81                    | 21.04                         | 21.77                  |                     |          |                     |          |
| 15                   | 64QAM      | 1       | 0         | 20.73                 | 20.68                        | 20.83                    | 21.04                         | 21.81                  | 22.5                | 2        |                     |          |
| 15                   | 64QAM      | 1       | 37        | 20.76                 | 20.67                        | 20.84                    | 21.04                         | 21.85                  |                     |          |                     |          |
| 15                   | 64QAM      | 1       | 74        | 20.51                 | 20.56                        | 20.64                    | 20.82                         | 21.57                  |                     |          |                     |          |
| 15                   | 64QAM      | 36      | 0         | 19.80                 | 19.64                        | 19.86                    | 20.06                         | 20.78                  |                     |          |                     |          |
| 15                   | 64QAM      | 36      | 20        | 19.70                 | 19.62                        | 19.78                    | 19.96                         | 20.60                  |                     |          |                     |          |
| 15                   | 64QAM      | 36      | 39        | 19.64                 | 19.52                        | 19.74                    | 19.91                         | 20.61                  | 21.5                | 3        |                     |          |
| 15                   | 64QAM      | 75      | 0         | 19.76                 | 19.68                        | 19.85                    | 20.06                         | 20.74                  |                     |          |                     |          |
| 15                   | 256QAM     | 1       | 0         | 17.79                 | 17.68                        | 17.86                    | 18.08                         | 18.84                  |                     |          |                     |          |
| 15                   | 256QAM     | 1       | 37        | 17.78                 | 17.69                        | 17.82                    | 18.14                         | 18.78                  |                     |          |                     |          |
| 15                   | 256QAM     | 1       | 74        | 17.53                 | 17.56                        | 17.76                    | 17.98                         | 18.55                  |                     |          |                     |          |
| 15                   | 256QAM     | 36      | 0         | 17.80                 | 17.70                        | 17.95                    | 18.12                         | 18.92                  | 19.5                | 5        |                     |          |
| 15                   | 256QAM     | 36      | 20        | 17.71                 | 17.63                        | 17.87                    | 18.01                         | 18.79                  |                     |          |                     |          |
| 15                   | 256QAM     | 36      | 39        | 17.69                 | 17.58                        | 17.80                    | 17.94                         | 18.61                  |                     |          |                     |          |
| 15                   | 256QAM     | 75      | 0         | 17.70                 | 17.59                        | 17.77                    | 17.93                         | 18.64                  |                     |          |                     |          |
| Channel              |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   | 24.50               | 0        |                     |          |
| 10                   | QPSK       | 1       | 0         | 22.01                 | 22.68                        | 22.84                    | 23.15                         | 23.86                  |                     |          |                     |          |
| 10                   | QPSK       | 1       | 25        | 22.01                 | 22.06                        | 22.83                    | 23.08                         | 23.78                  |                     |          |                     |          |
| 10                   | QPSK       | 1       | 49        | 22.61                 | 22.61                        | 22.68                    | 22.87                         | 23.47                  |                     |          |                     |          |
| 10                   | QPSK       | 25      | 0         | 21.79                 | 21.73                        | 21.95                    | 22.03                         | 22.66                  |                     |          |                     |          |
| 10                   | QPSK       | 25      | 12        | 21.74                 | 21.61                        | 21.80                    | 22.02                         | 22.72                  | 23.5                | 1        |                     |          |
| 10                   | QPSK       | 25      | 25        | 21.65                 | 21.51                        | 21.73                    | 21.84                         | 22.57                  |                     |          |                     |          |
| 10                   | QPSK       | 50      | 0         | 21.75                 | 21.65                        | 21.86                    | 22.07                         | 22.76                  |                     |          |                     |          |
| 10                   | 16QAM      | 1       | 0         | 21.68                 | 21.62                        | 21.82                    | 22.02                         | 22.67                  |                     |          |                     |          |
| 10                   | 16QAM      | 1       | 25        | 21.61                 | 21.54                        | 21.65                    | 21.97                         | 22.66                  |                     |          |                     |          |
| 10                   | 16QAM      | 1       | 49        | 21.65                 | 21.53                        | 21.71                    | 21.95                         | 22.54                  | 22.5                | 2        |                     |          |
| 10                   | 16QAM      | 25      | 0         | 20.85                 | 20.73                        | 20.89                    | 21.11                         | 21.82                  |                     |          |                     |          |
| 10                   | 16QAM      | 25      | 12        | 20.70                 | 20.62                        | 20.81                    | 20.96                         | 21.66                  |                     |          |                     |          |
| 10                   | 16QAM      | 25      | 25        | 20.56                 | 20.61                        | 20.71                    | 20.93                         | 21.71                  |                     |          |                     |          |
| 10                   | 16QAM      | 50      | 0         | 20.72                 | 20.57                        | 20.80                    | 21.05                         | 21.83                  |                     |          |                     |          |
| 10                   | 64QAM      | 1       | 0         | 20.71                 | 20.65                        | 20.88                    | 21.07                         | 21.76                  | 22.5                | 2        |                     |          |
| 10                   | 64QAM      | 1       | 25        | 20.72                 | 20.70                        | 20.86                    | 21.06                         | 21.80                  |                     |          |                     |          |
| 10                   | 64QAM      | 1       | 49        | 20.51                 | 20.56                        | 20.59                    | 20.81                         | 21.55                  |                     |          |                     |          |
| 10                   | 64QAM      | 25      | 0         | 19.83                 | 19.70                        | 19.92                    | 20.06                         | 20.77                  |                     |          |                     |          |
| 10                   | 64QAM      | 25      | 12        | 19.66                 | 19.56                        | 19.75                    | 19.99                         | 20.61                  |                     |          |                     |          |
| 10                   | 64QAM      | 25      | 25        | 19.63                 | 19.56                        | 19.72                    | 19.85                         | 20.60                  | 21.5                | 3        |                     |          |
| 10                   | 64QAM      | 50      | 0         | 19.78                 | 19.62                        | 19.89                    | 20.04                         | 20.76                  |                     |          |                     |          |
| 10                   | 256QAM     | 1       | 0         | 17.79                 | 17.70                        | 17.86                    | 18.08                         | 18.82                  |                     |          |                     |          |
| 10                   | 256QAM     | 1       | 25        | 17.83                 | 17.71                        | 17.84                    | 18.12                         | 18.82                  |                     |          |                     |          |
| 10                   | 256QAM     | 1       | 49        | 17.50                 | 17.54                        | 17.64                    | 17.83                         | 18.58                  |                     |          |                     |          |
| 10                   | 256QAM     | 25      | 0         | 17.81                 | 17.74                        | 17.90                    | 18.13                         | 18.91                  | 19.5                | 5        |                     |          |
| 10                   | 256QAM     | 25      | 12        | 17.78                 | 17.69                        | 17.90                    | 18.08                         | 18.78                  |                     |          |                     |          |
| 10                   | 256QAM     | 25      | 25        | 17.63                 | 17.55                        | 17.80                    | 17.91                         | 18.62                  |                     |          |                     |          |
| 10                   | 256QAM     | 50      | 0         | 17.69                 | 17.53                        | 17.76                    | 17.96                         | 18.65                  |                     |          |                     |          |
| Channel              |            |         |           | 39675                 | 40148                        | 40620                    | 41093                         | 41565                  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2498.5                | 2545.8                       | 2593                     | 2640.30                       | 2687.5                 | 24.50               | 0        |                     |          |
| 5                    | QPSK       | 1       | 0         | 22.79                 | 22.72                        | 22.83                    | 23.12                         | 23.83                  |                     |          |                     |          |
| 5                    | QPSK       | 1       | 12        | 22.80                 | 22.67                        | 22.82                    | 23.04                         | 23.79                  |                     |          |                     |          |
| 5                    | QPSK       | 1       | 24        | 22.60                 | 22.51                        | 22.65                    | 22.84                         | 23.54                  |                     |          |                     |          |
| 5                    | QPSK       | 12      | 0         | 21.77                 | 21.69                        | 21.93                    | 22.01                         | 22.68                  |                     |          |                     |          |
| 5                    | QPSK       | 12      | 7         | 21.71                 | 21.65                        | 21.86                    | 21.98                         | 22.66                  | 23.5                | 1        |                     |          |
| 5                    | QPSK       | 12      | 13        | 21.62                 | 21.52                        | 21.73                    | 21.89                         | 22.56                  |                     |          |                     |          |
| 5                    | QPSK       | 25      | 0         | 21.77                 | 21.70                        | 21.87                    | 22.04                         | 22.76                  |                     |          |                     |          |
| 5                    | 16QAM      | 1       | 0         | 21.66                 | 21.57                        | 21.83                    | 22.01                         | 22.66                  |                     |          |                     |          |
| 5                    | 16QAM      | 1       | 12        | 21.62                 | 21.56                        | 21.67                    | 21.91                         | 22.65                  |                     |          |                     |          |
| 5                    | 16QAM      | 1       | 24        | 21.65                 | 21.53                        | 21.68                    | 21.93                         | 22.61                  | 23.5                | 1        |                     |          |
| 5                    | 16QAM      | 12      | 0         | 20.82                 | 20.71                        | 20.85                    | 21.10                         | 21.82                  |                     |          |                     |          |
| 5                    | 16QAM      | 12      | 7         | 20.69                 | 20.63                        | 20.82                    | 20.98                         | 21.65                  |                     |          |                     |          |
| 5                    | 16QAM      | 12      | 13        | 20.60                 | 20.50                        | 20.72                    | 20.91                         | 21.67                  |                     |          |                     |          |
| 5                    | 16QAM      | 25      | 0         | 20.67                 | 20.62                        | 20.86                    | 21.00                         | 21.81                  |                     |          |                     |          |
| 5                    | 64QAM      | 1       | 0         | 20.73                 | 20.67                        | 20.89                    | 21.08                         | 21.79                  | 22.5                | 2        |                     |          |
| 5                    | 64QAM      | 1       | 12        | 20.78                 | 20.65                        | 20.86                    | 21.06                         | 21.80                  |                     |          |                     |          |
| 5                    | 64QAM      | 1       | 24        | 20.51                 | 20.56                        | 20.64                    | 20.82                         | 21.56                  |                     |          |                     |          |
| 5                    | 64QAM      | 12      | 0         | 19.79                 | 19.66                        | 19.94                    | 20.10                         | 20.75                  |                     |          |                     |          |
| 5                    | 64QAM      | 12      | 7         | 19.73                 | 19.59                        | 19.78                    | 20.00                         | 20.59                  |                     |          |                     |          |
| 5                    | 64QAM      | 12      | 13        | 19.61                 | 19.53                        | 19.77                    | 19.91                         | 20.61                  | 21.5                | 3        |                     |          |
| 5                    | 64QAM      | 25      | 0         | 19.78                 | 19.62                        | 19.88                    | 20.05                         | 20.75                  |                     |          |                     |          |
| 5                    | 256QAM     | 1       | 0         | 17.77                 | 17.68                        | 17.92                    | 18.09                         | 18.81                  |                     |          |                     |          |
| 5                    | 256QAM     | 1       | 12        | 17.83                 | 17.64                        | 17.85                    | 18.14                         | 18.78                  |                     |          |                     |          |
| 5                    | 256QAM     | 1       | 24        | 17.53                 | 17.56                        | 17.66                    | 17.82                         | 18.58                  |                     |          |                     |          |
| 5                    | 256QAM     | 12      | 0         | 17.84                 | 17.69                        | 17.95                    | 18.13                         | 18.93                  | 19.5                | 5        |                     |          |
| 5                    | 256QAM     | 12      | 7         | 17.75                 | 17.68                        | 17.85                    | 18.07                         | 18.77                  |                     |          |                     |          |
| 5                    | 256QAM     | 12      | 13        | 17.68                 | 17.55                        | 17.78                    | 17.92                         | 18.59                  |                     |          |                     |          |
| 5                    | 256QAM     | 25      | 0         | 17.66                 | 17.54                        | 17.78                    | 17.90                         | 18.69                  |                     |          |                     |          |

| Band 4          |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
|-----------------|------------|----------|------------|----------------------|----------------------|-----------------------|--------------------|----------|--|--|--|--|--|--|
| BW (MHz)        | Modulation | RIS Size | RIS Offset | Power Low Ch. / Freq | Power Mid Ch. / Freq | Power High Ch. / Freq | Turn-up time (sec) | MPR (dB) |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 1        | 0          | 22.95                | 22.94                | 22.93                 | 24                 | 0        |  |  |  |  |  |  |
| 20              | QPSK       | 1        | 49         | 22.98                | 22.92                | 22.97                 |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 1        | 99         | 22.48                | 22.56                | 22.51                 |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 50       | 0          | 21.53                | 21.63                | 21.59                 |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 50       | 24         | 21.57                | 21.61                | 21.60                 | 23                 | 1        |  |  |  |  |  |  |
| 20              | QPSK       | 50       | 50         | 21.49                | 21.58                | 21.54                 |                    |          |  |  |  |  |  |  |
| 20              | QPSK       | 100      | 0          | 21.48                | 21.60                | 21.46                 |                    |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1        | 0          | 21.57                | 21.62                | 21.65                 |                    |          |  |  |  |  |  |  |
| 20              | 16QAM      | 1        | 49         | 21.59                | 21.63                | 21.63                 | 23                 | 1        |  |  |  |  |  |  |
| 20              | 16QAM      | 1        | 99         | 21.54                | 21.60                | 21.57                 |                    |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50       | 0          | 20.53                | 20.58                | 20.48                 |                    |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50       | 24         | 20.51                | 20.56                | 20.52                 |                    |          |  |  |  |  |  |  |
| 20              | 16QAM      | 50       | 50         | 20.54                | 20.58                | 20.60                 | 22                 | 2        |  |  |  |  |  |  |
| 20              | 16QAM      | 100      | 0          | 20.43                | 20.58                | 20.52                 |                    |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1        | 0          | 20.51                | 20.56                | 20.71                 |                    |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1        | 49         | 20.53                | 20.62                | 20.65                 |                    |          |  |  |  |  |  |  |
| 20              | 64QAM      | 1        | 99         | 20.59                | 20.57                | 20.59                 | 22                 | 2        |  |  |  |  |  |  |
| 20              | 64QAM      | 50       | 0          | 19.57                | 19.54                | 19.65                 |                    |          |  |  |  |  |  |  |
| 20              | 64QAM      | 50       | 24         | 19.61                | 19.69                | 19.59                 |                    |          |  |  |  |  |  |  |
| 20              | 64QAM      | 50       | 50         | 19.54                | 19.65                | 19.57                 |                    |          |  |  |  |  |  |  |
| 20              | 64QAM      | 100      | 0          | 19.47                | 19.62                | 19.56                 | 21                 | 3        |  |  |  |  |  |  |
| 20              | 256QAM     | 1        | 0          | 17.52                | 17.55                | 17.65                 |                    |          |  |  |  |  |  |  |
| 20              | 256QAM     | 1        | 49         | 17.48                | 17.64                | 17.66                 |                    |          |  |  |  |  |  |  |
| 20              | 256QAM     | 1        | 99         | 17.63                | 17.66                | 17.66                 |                    |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50       | 0          | 17.49                | 17.60                | 17.50                 | 19                 | 5        |  |  |  |  |  |  |
| 20              | 256QAM     | 50       | 24         | 17.67                | 17.75                | 17.55                 |                    |          |  |  |  |  |  |  |
| 20              | 256QAM     | 50       | 50         | 17.67                | 17.68                | 17.52                 |                    |          |  |  |  |  |  |  |
| 20              | 256QAM     | 100      | 0          | 17.64                | 17.67                | 17.50                 |                    |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 18              | QPSK       | 1        | 0          | 22.47                | 22.13                | 22.13                 | 24                 | 0        |  |  |  |  |  |  |
| 18              | QPSK       | 1        | 37         | 22.48                | 22.49                | 22.43                 |                    |          |  |  |  |  |  |  |
| 18              | QPSK       | 1        | 74         | 22.44                | 22.44                | 22.45                 |                    |          |  |  |  |  |  |  |
| 18              | QPSK       | 36       | 0          | 21.48                | 21.52                | 21.44                 |                    |          |  |  |  |  |  |  |
| 18              | QPSK       | 36       | 20         | 21.48                | 21.54                | 21.47                 | 23                 | 1        |  |  |  |  |  |  |
| 18              | QPSK       | 36       | 39         | 21.44                | 21.48                | 21.51                 |                    |          |  |  |  |  |  |  |
| 18              | QPSK       | 75       | 0          | 21.39                | 21.46                | 21.43                 |                    |          |  |  |  |  |  |  |
| 18              | 16QAM      | 1        | 0          | 21.48                | 21.48                | 21.54                 |                    |          |  |  |  |  |  |  |
| 18              | 16QAM      | 1        | 37         | 21.53                | 21.59                | 21.58                 | 23                 | 1        |  |  |  |  |  |  |
| 18              | 16QAM      | 1        | 74         | 21.46                | 21.47                | 21.53                 |                    |          |  |  |  |  |  |  |
| 18              | 16QAM      | 36       | 0          | 20.49                | 20.52                | 20.38                 |                    |          |  |  |  |  |  |  |
| 18              | 16QAM      | 36       | 20         | 20.52                | 20.61                | 20.50                 |                    |          |  |  |  |  |  |  |
| 18              | 16QAM      | 36       | 39         | 20.50                | 20.46                | 20.52                 | 22                 | 2        |  |  |  |  |  |  |
| 18              | 16QAM      | 75       | 0          | 20.38                | 20.47                | 20.48                 |                    |          |  |  |  |  |  |  |
| 18              | 64QAM      | 1        | 0          | 20.41                | 20.47                | 20.57                 |                    |          |  |  |  |  |  |  |
| 18              | 64QAM      | 1        | 74         | 20.52                | 20.43                | 20.45                 |                    |          |  |  |  |  |  |  |
| 18              | 64QAM      | 1        | 0          | 19.42                | 19.46                | 19.35                 | 21                 | 3        |  |  |  |  |  |  |
| 18              | 64QAM      | 36       | 0          | 19.53                | 19.56                | 19.52                 |                    |          |  |  |  |  |  |  |
| 18              | 64QAM      | 36       | 39         | 19.40                | 19.54                | 19.47                 |                    |          |  |  |  |  |  |  |
| 18              | 64QAM      | 75       | 0          | 19.41                | 19.56                | 19.48                 |                    |          |  |  |  |  |  |  |
| 18              | 256QAM     | 1        | 0          | 17.45                | 17.47                | 17.55                 | 19                 | 5        |  |  |  |  |  |  |
| 18              | 256QAM     | 1        | 37         | 17.44                | 17.52                | 17.42                 |                    |          |  |  |  |  |  |  |
| 18              | 256QAM     | 1        | 74         | 17.54                | 17.55                | 17.58                 |                    |          |  |  |  |  |  |  |
| 18              | 256QAM     | 36       | 0          | 17.35                | 17.58                | 17.41                 |                    |          |  |  |  |  |  |  |
| 18              | 256QAM     | 36       | 20         | 17.58                | 17.67                | 17.43                 | 19                 | 5        |  |  |  |  |  |  |
| 18              | 256QAM     | 36       | 39         | 17.45                | 17.56                | 17.48                 |                    |          |  |  |  |  |  |  |
| 18              | 256QAM     | 75       | 0          | 17.40                | 17.59                | 17.48                 |                    |          |  |  |  |  |  |  |
| 18              | 256QAM     | 75       | 0          | 17.40                | 17.59                | 17.48                 |                    |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 1        | 0          | 22.50                | 22.55                | 22.57                 | 24                 | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1        | 25         | 22.51                | 22.56                | 22.49                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 1        | 49         | 22.35                | 22.42                | 22.45                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 25       | 0          | 21.47                | 21.55                | 21.40                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 25       | 12         | 21.52                | 21.50                | 21.51                 | 23                 | 1        |  |  |  |  |  |  |
| 10              | QPSK       | 25       | 25         | 21.40                | 21.46                | 21.47                 |                    |          |  |  |  |  |  |  |
| 10              | QPSK       | 50       | 0          | 21.41                | 21.55                | 21.46                 |                    |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1        | 0          | 21.46                | 21.49                | 21.51                 |                    |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1        | 25         | 21.55                | 21.51                | 21.57                 | 23                 | 1        |  |  |  |  |  |  |
| 10              | 16QAM      | 1        | 49         | 21.40                | 21.49                | 21.48                 |                    |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25       | 0          | 20.46                | 20.50                | 20.40                 |                    |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25       | 12         | 20.50                | 20.40                | 20.40                 |                    |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25       | 25         | 20.43                | 20.45                | 20.52                 | 22                 | 2        |  |  |  |  |  |  |
| 10              | 16QAM      | 50       | 0          | 20.46                | 20.52                | 20.37                 |                    |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1        | 0          | 20.45                | 20.54                | 20.63                 |                    |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1        | 25         | 20.48                | 20.51                | 20.61                 |                    |          |  |  |  |  |  |  |
| 10              | 64QAM      | 1        | 49         | 20.50                | 20.48                | 20.50                 | 21                 | 3        |  |  |  |  |  |  |
| 10              | 64QAM      | 25       | 0          | 19.39                | 19.49                | 19.39                 |                    |          |  |  |  |  |  |  |
| 10              | 64QAM      | 25       | 12         | 19.52                | 19.64                | 19.54                 |                    |          |  |  |  |  |  |  |
| 10              | 64QAM      | 25       | 25         | 19.48                | 19.61                | 19.43                 |                    |          |  |  |  |  |  |  |
| 10              | 64QAM      | 50       | 0          | 19.41                | 19.62                | 19.52                 | 19                 | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 1        | 0          | 17.45                | 17.56                | 17.60                 |                    |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25       | 0          | 17.58                | 17.46                | 17.46                 |                    |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25       | 12         | 17.53                | 17.64                | 17.47                 |                    |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25       | 25         | 17.50                | 17.53                | 17.46                 | 19                 | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 50       | 0          | 17.46                | 17.61                | 17.59                 |                    |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 1        | 0          | 22.57                | 22.54                | 22.56                 | 24                 | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1        | 12         | 22.51                | 22.53                | 22.49                 |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 1        | 24         | 22.44                | 22.47                | 22.46                 |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 12       | 0          | 21.48                | 21.49                | 21.43                 |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 12       | 7          | 21.48                | 21.48                | 21.53                 | 23                 | 1        |  |  |  |  |  |  |
| 5               | QPSK       | 12       | 13         | 21.46                | 21.52                | 21.41                 |                    |          |  |  |  |  |  |  |
| 5               | QPSK       | 18       | 0          | 21.40                | 21.49                | 21.42                 |                    |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1        | 0          | 21.47                | 21.52                | 21.55                 |                    |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1        | 12         | 21.44                | 21.56                | 21.55                 | 23                 | 1        |  |  |  |  |  |  |
| 5               | 16QAM      | 1        | 24         | 21.46                | 21.53                | 21.54                 |                    |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12       | 0          | 20.50                | 20.44                | 20.40                 |                    |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12       | 7          | 20.54                | 20.53                | 20.46                 |                    |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12       | 13         | 20.40                | 20.46                | 20.46                 | 22                 | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 25       | 0          | 20.33                | 20.44                | 20.45                 |                    |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1        | 0          | 20.39                | 20.35                | 20.58                 |                    |          |  |  |  |  |  |  |
| 5               | 64QAM      | 1        | 12         | 20.41                | 20.50                | 20.54                 |                    |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12       | 0          | 20.53                | 20.46                | 20.51                 | 22                 | 2        |  |  |  |  |  |  |
| 5               | 64QAM      | 12       | 0          | 19.40                | 19.45                | 19.35                 |                    |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12       | 7          | 19.54                | 19.57                | 19.51                 |                    |          |  |  |  |  |  |  |
| 5               | 64QAM      | 12       | 13         | 19.43                | 19.58                | 19.46                 |                    |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1        | 0          | 17.44                | 17.48                | 17.60                 | 19                 | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 1        | 12         | 17.55                | 17.55                | 17.52                 |                    |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1        | 24         | 17.55                | 17.46                | 17.58                 |                    |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12       | 0          | 17.37                | 17.57                | 17.44                 |                    |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12       | 7          | 17.54                | 17.63                | 17.46                 | 19                 | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 12       | 13         | 17.52                | 17.61                | 17.44                 |                    |          |  |  |  |  |  |  |
| 5               | 256QAM     | 25       | 0          | 17.42                | 17.58                | 17.40                 |                    |          |  |  |  |  |  |  |
| Channel         |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |
| Frequency (MHz) |            |          |            |                      |                      |                       |                    |          |  |  |  |  |  |  |











## Reduced Power Mode for DSI 0\_Main PA

| GSM850 Ant0 Default   |                           |       |        |                     |                           |       |        |                     |       |
|-----------------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|-------|
| GSM850                | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |        | Tune-up Limit (dBm) |       |
|                       | 128                       | 189   | 251    |                     | 128                       | 189   | 251    |                     |       |
| Tx Channel            | 824.2                     | 836.4 | 848.8  |                     | 824.2                     | 836.4 | 848.8  |                     |       |
| Frequency (MHz)       |                           |       |        |                     |                           |       |        |                     |       |
| GSM 1 Tx slot         | 33.15                     | 33.18 | 33.08  | 34.00               | 24.15                     | 24.18 | 24.08  | 25.00               |       |
| GPRS 1 Tx slot        | 33.10                     | 33.15 | 33.02  | 34.00               | 24.10                     | 24.15 | 24.02  | 25.00               |       |
| GPRS 2 Tx slots       | 30.10                     | 30.17 | 30.09  | 31.00               | 24.10                     | 24.17 | 24.09  | 25.00               |       |
| GPRS 3 Tx slots       | 28.26                     | 28.34 | 28.28  | 29.50               | 24.00                     | 24.08 | 24.02  | 25.24               |       |
| GPRS 4 Tx slots       | 26.80                     | 26.91 | 26.85  | 28.00               | 23.80                     | 23.91 | 23.85  | 25.00               |       |
| EDGE 1 Tx slot        | 27.13                     | 27.18 | 27.09  | 27.50               | 18.13                     | 18.18 | 18.09  | 18.50               |       |
| EDGE 2 Tx slots       | 24.21                     | 24.29 | 24.24  | 24.50               | 18.21                     | 18.29 | 18.24  | 18.50               |       |
| EDGE 3 Tx slots       | 22.27                     | 22.30 | 22.26  | 22.50               | 18.01                     | 18.04 | 18.00  | 18.24               |       |
| EDGE 4 Tx slots       | 20.88                     | 20.96 | 20.91  | 21.50               | 17.88                     | 17.96 | 17.91  | 18.50               |       |
| GSM1900 Ant0 Default  |                           |       |        |                     |                           |       |        |                     |       |
| GSM1900               | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |        | Tune-up Limit (dBm) |       |
|                       | 512                       | 661   | 810    |                     | 512                       | 661   | 810    |                     |       |
| Tx Channel            | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |       |
| Frequency (MHz)       |                           |       |        |                     |                           |       |        |                     |       |
| GSM 1 Tx slot         | 29.96                     | 29.99 | 29.84  | 31.00               | 20.96                     | 20.99 | 20.84  | 22.00               |       |
| GPRS 1 Tx slot        | 29.87                     | 29.92 | 29.80  | 31.00               | 20.87                     | 20.92 | 20.80  | 22.00               |       |
| GPRS 2 Tx slots       | 27.06                     | 27.11 | 27.02  | 28.00               | 21.06                     | 21.11 | 21.02  | 22.00               |       |
| GPRS 3 Tx slots       | 25.27                     | 25.32 | 25.23  | 26.50               | 21.01                     | 21.06 | 20.97  | 22.24               |       |
| GPRS 4 Tx slots       | 23.86                     | 23.95 | 23.90  | 25.00               | 20.86                     | 20.95 | 20.90  | 22.00               |       |
| EDGE 1 Tx slot        | 25.70                     | 25.78 | 25.73  | 26.50               | 16.70                     | 16.78 | 16.73  | 17.50               |       |
| EDGE 2 Tx slots       | 22.52                     | 22.58 | 22.53  | 23.50               | 16.52                     | 16.58 | 16.53  | 17.50               |       |
| EDGE 3 Tx slots       | 20.60                     | 20.64 | 20.50  | 21.50               | 16.34                     | 16.38 | 16.24  | 17.24               |       |
| EDGE 4 Tx slots       | 19.04                     | 19.08 | 19.04  | 20.00               | 16.04                     | 16.08 | 16.04  | 17.00               |       |
| WCDMA II Ant0 Default |                           |       |        |                     |                           |       |        |                     |       |
| WCDMA IV Ant0 Default |                           |       |        |                     |                           |       |        |                     |       |
| WCDMA V Ant0 Default  |                           |       |        |                     |                           |       |        |                     |       |
| Band                  | WCDMA II                  |       |        | Tune-up Limit (dBm) | WCDMA IV                  |       |        | Tune-up Limit (dBm) |       |
|                       | 9262                      | 9400  | 9538   |                     | 1312                      | 1413  | 1513   |                     |       |
| Tx Channel            | 9662                      | 9800  | 9938   |                     | 1537                      | 1638  | 1738   |                     |       |
| Rx Channel            | 9524                      | 9662  | 9800   |                     | 17124                     | 17243 | 17346  |                     |       |
| Frequency (MHz)       |                           |       |        |                     |                           |       |        |                     |       |
| 3GPP Rel 99           | AMR 12.2kbps              | 23.91 | 24.05  | 23.96               | 24.50                     | 23.71 | 23.84  | 23.76               | 25.00 |
| 24.05                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.04                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.76                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.82                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.83                 |                           |       |        |                     |                           |       |        |                     |       |
| 25.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.27                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.46                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.18                 |                           |       |        |                     |                           |       |        |                     |       |
| 25.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.34                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.51                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.23                 |                           |       |        |                     |                           |       |        |                     |       |
| 25.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.31                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.49                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.26                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.06                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.13                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.97                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.72                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.91                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.85                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.30                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.54                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.22                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.55                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.74                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.46                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.33                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.42                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.30                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.91                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.07                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.80                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.58                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.43                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.25                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.48                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.29                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.80                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.99                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.70                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.06                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.19                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.04                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.73                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.02                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.94                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.33                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.48                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.26                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.01                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.21                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.05                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.70                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.95                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.87                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.34                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.53                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.20                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.54                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.75                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.43                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.38                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.48                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.30                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.87                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.03                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.86                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.60                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.57                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.54                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.29                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.51                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.33                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.78                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.98                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.68                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.03                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.16                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.02                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.73                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.96                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.85                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.41                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.47                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.27                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.05                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.17                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.97                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.71                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.90                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.88                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.37                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.48                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.21                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.09                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.22                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.91                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.72                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.95                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.84                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.40                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.21                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.07                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.14                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.97                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.72                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.96                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.82                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.34                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.49                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.23                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.05                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.12                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.97                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.81                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.92                 |                           |       |        |                     |                           |       |        |                     |       |
| 22.86                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.39                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 23.22                 |                           |       |        |                     |                           |       |        |                     |       |
| 24.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.53                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.61                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.49                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.00                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.31                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.41                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.32                 |                           |       |        |                     |                           |       |        |                     |       |
| 21.50                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.89                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.98                 |                           |       |        |                     |                           |       |        |                     |       |
| 20.84                 |                           |       |        |                     |                           |       |        |                     |       |





| GSM850 Ant1 Default |                           |       |       |                     |                           |       |       |                     |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850              | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |       | Tune-up Limit (dBm) |
| TX Channel          | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| Frequency (MHz)     | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot       | 32.89                     | 32.93 | 32.87 | 34.50               | 23.89                     | 23.93 | 23.87 | 25.50               |
| GPRS 1 Tx slot      | 32.82                     | 32.89 | 32.83 | 34.50               | 23.82                     | 23.89 | 23.83 | 25.50               |
| GPRS 2 Tx slots     | 29.93                     | 29.96 | 29.93 | 31.50               | 23.93                     | 23.96 | 23.93 | 25.50               |
| GPRS 3 Tx slots     | 28.02                     | 28.12 | 28.06 | 30.00               | 23.76                     | 23.86 | 23.80 | 23.74               |
| GPRS 4 Tx slots     | 26.61                     | 26.75 | 26.71 | 28.50               | 23.61                     | 23.75 | 23.71 | 25.50               |
| EDGE 1 Tx slot      | 26.96                     | 27.05 | 26.97 | 28.00               | 17.96                     | 18.05 | 17.97 | 19.00               |
| EDGE 2 Tx slots     | 24.12                     | 24.16 | 24.08 | 25.00               | 18.12                     | 18.16 | 18.08 | 19.00               |
| EDGE 3 Tx slots     | 22.16                     | 22.21 | 22.13 | 23.00               | 17.90                     | 17.95 | 17.87 | 18.74               |
| EDGE 4 Tx slots     | 20.64                     | 20.78 | 20.64 | 22.00               | 17.64                     | 17.78 | 17.64 | 19.00               |

| WCDMA V Ant1 DSIS                  |         |       |       |                     |
|------------------------------------|---------|-------|-------|---------------------|
| Band                               | WCDMA V |       |       | Tune-up Limit (dBm) |
| TX Channel                         | 4132    | 4182  | 4233  |                     |
| Rx Channel                         | 4357    | 4407  | 4458  |                     |
| Frequency (MHz)                    | 826.4   | 836.4 | 846.6 |                     |
| 3GPP Rel 99 RMC 12.2kbps           | 22.75   | 23.04 | 22.74 | 24.50               |
| 3GPP Rel 99 RMC 12.2kbps           | 22.81   | 23.09 | 22.71 | 24.50               |
| 3GPP Rel 6 HSDPA Subtest-1         | 21.95   | 22.09 | 21.86 | 23.50               |
| 3GPP Rel 6 HSDPA Subtest-2         | 21.91   | 22.14 | 21.84 | 23.50               |
| 3GPP Rel 6 HSDPA Subtest-3         | 21.48   | 21.71 | 21.43 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-4         | 21.43   | 21.53 | 21.37 | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-1      | 21.95   | 22.03 | 21.84 | 23.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-2      | 21.91   | 22.19 | 21.87 | 23.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-3      | 21.44   | 21.67 | 21.52 | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-4      | 21.39   | 21.51 | 21.35 | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-1         | 22.04   | 22.16 | 21.84 | 23.50               |
| 3GPP Rel 6 HSUPA Subtest-2         | 19.95   | 20.17 | 19.87 | 21.50               |
| 3GPP Rel 6 HSUPA Subtest-3         | 20.94   | 21.18 | 20.82 | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-4         | 20.02   | 20.14 | 19.87 | 21.50               |
| 3GPP Rel 6 HSUPA Subtest-5         | 22.04   | 22.15 | 21.81 | 23.50               |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 19.33   | 19.64 | 19.58 | 21.00               |



| Band 38 Ant1 Default |            |         |           |                       |                          |                        |                     |          |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |          |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |          |
| Frequency (MHz)      |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |          |
| 20                   | QPSK       | 1       | 0         | 22.85                 | 22.94                    | 22.69                  | 24                  | 0        |          |
| 20                   | QPSK       | 1       | 49        | 22.74                 | 22.81                    | 22.81                  |                     |          |          |
| 20                   | QPSK       | 1       | 99        | 22.80                 | 22.68                    | 22.86                  |                     |          |          |
| 20                   | QPSK       | 50      | 0         | 21.79                 | 21.88                    | 21.82                  | 23                  | 1        |          |
| 20                   | QPSK       | 50      | 24        | 21.71                 | 21.76                    | 21.76                  |                     |          |          |
| 20                   | QPSK       | 50      | 50        | 21.74                 | 21.68                    | 21.66                  |                     |          |          |
| 20                   | QPSK       | 100     | 0         | 21.72                 | 21.86                    | 21.70                  | 23                  | 1        |          |
| 20                   | 16QAM      | 1       | 0         | 21.81                 | 21.84                    | 21.85                  |                     |          |          |
| 20                   | 16QAM      | 1       | 49        | 21.81                 | 21.68                    | 21.86                  |                     |          |          |
| 20                   | 16QAM      | 1       | 99        | 21.75                 | 21.66                    | 21.82                  | 22                  | 2        |          |
| 20                   | 16QAM      | 50      | 0         | 20.83                 | 20.85                    | 20.82                  |                     |          |          |
| 20                   | 16QAM      | 50      | 24        | 20.80                 | 20.80                    | 20.80                  |                     |          |          |
| 20                   | 16QAM      | 50      | 50        | 20.68                 | 20.71                    | 20.72                  | 22                  | 2        |          |
| 20                   | 16QAM      | 100     | 0         | 20.74                 | 20.77                    | 20.73                  |                     |          |          |
| 20                   | 64QAM      | 1       | 0         | 20.82                 | 20.85                    | 20.87                  |                     |          |          |
| 20                   | 64QAM      | 1       | 49        | 20.78                 | 20.83                    | 20.77                  | 22                  | 2        |          |
| 20                   | 64QAM      | 1       | 99        | 20.73                 | 20.70                    | 20.78                  |                     |          |          |
| 20                   | 64QAM      | 50      | 0         | 19.86                 | 19.87                    | 19.87                  |                     |          |          |
| 20                   | 64QAM      | 50      | 24        | 19.73                 | 19.81                    | 19.81                  | 21                  | 3        |          |
| 20                   | 64QAM      | 50      | 50        | 19.70                 | 19.72                    | 19.71                  |                     |          |          |
| 20                   | 64QAM      | 100     | 0         | 19.76                 | 19.78                    | 19.78                  |                     |          |          |
| 20                   | 256QAM     | 1       | 0         | 17.79                 | 17.86                    | 17.82                  | 19                  | 5        |          |
| 20                   | 256QAM     | 1       | 49        | 17.76                 | 17.83                    | 17.82                  |                     |          |          |
| 20                   | 256QAM     | 1       | 99        | 17.66                 | 17.68                    | 17.71                  |                     |          |          |
| 20                   | 256QAM     | 50      | 0         | 17.91                 | 17.92                    | 17.88                  | 19                  | 5        |          |
| 20                   | 256QAM     | 50      | 24        | 17.85                 | 17.85                    | 17.87                  |                     |          |          |
| 20                   | 256QAM     | 50      | 50        | 17.69                 | 17.76                    | 17.72                  |                     |          |          |
| 20                   | 256QAM     | 100     | 0         | 17.74                 | 17.79                    | 17.75                  | Tune-up limit (dBm) |          | MPR (dB) |
| Channel              |            |         |           | 37825                 | 38000                    | 38175                  |                     |          |          |
| Frequency (MHz)      |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |          |
| 15                   | QPSK       | 1       | 0         | 22.85                 | 22.88                    | 22.69                  | 24                  | 0        |          |
| 15                   | QPSK       | 1       | 37        | 22.73                 | 22.75                    | 22.82                  |                     |          |          |
| 15                   | QPSK       | 1       | 74        | 22.79                 | 22.74                    | 22.82                  |                     |          |          |
| 15                   | QPSK       | 36      | 0         | 21.83                 | 21.84                    | 21.77                  | 23                  | 1        |          |
| 15                   | QPSK       | 36      | 20        | 21.72                 | 21.70                    | 21.72                  |                     |          |          |
| 15                   | QPSK       | 36      | 39        | 21.66                 | 21.69                    | 21.66                  |                     |          |          |
| 15                   | QPSK       | 75      | 0         | 21.77                 | 21.69                    | 21.71                  | 23                  | 1        |          |
| 15                   | 16QAM      | 1       | 0         | 21.87                 | 21.84                    | 21.83                  |                     |          |          |
| 15                   | 16QAM      | 1       | 37        | 21.86                 | 21.78                    | 21.83                  |                     |          |          |
| 15                   | 16QAM      | 1       | 74        | 21.80                 | 21.68                    | 21.79                  | 22                  | 2        |          |
| 15                   | 16QAM      | 36      | 0         | 20.89                 | 20.83                    | 20.84                  |                     |          |          |
| 15                   | 16QAM      | 36      | 20        | 20.85                 | 20.78                    | 20.80                  |                     |          |          |
| 15                   | 16QAM      | 36      | 39        | 20.72                 | 20.70                    | 20.72                  | 22                  | 2        |          |
| 15                   | 16QAM      | 75      | 0         | 20.75                 | 20.77                    | 20.69                  |                     |          |          |
| 15                   | 64QAM      | 1       | 0         | 20.80                 | 20.83                    | 20.88                  |                     |          |          |
| 15                   | 64QAM      | 1       | 37        | 20.77                 | 20.76                    | 20.78                  | 22                  | 2        |          |
| 15                   | 64QAM      | 1       | 74        | 20.76                 | 20.74                    | 20.80                  |                     |          |          |
| 15                   | 64QAM      | 36      | 0         | 19.88                 | 19.83                    | 19.82                  |                     |          |          |
| 15                   | 64QAM      | 36      | 20        | 19.74                 | 19.78                    | 19.81                  | 21                  | 3        |          |
| 15                   | 64QAM      | 36      | 39        | 19.70                 | 19.69                    | 19.70                  |                     |          |          |
| 15                   | 64QAM      | 75      | 0         | 19.76                 | 19.74                    | 19.73                  |                     |          |          |
| 15                   | 256QAM     | 1       | 0         | 17.81                 | 17.85                    | 17.78                  | 19                  | 5        |          |
| 15                   | 256QAM     | 1       | 37        | 17.75                 | 17.80                    | 17.78                  |                     |          |          |
| 15                   | 256QAM     | 1       | 74        | 17.70                 | 17.73                    | 17.66                  |                     |          |          |
| 15                   | 256QAM     | 36      | 0         | 17.90                 | 17.88                    | 17.85                  | 19                  | 5        |          |
| 15                   | 256QAM     | 36      | 20        | 17.87                 | 17.81                    | 17.83                  |                     |          |          |
| 15                   | 256QAM     | 36      | 39        | 17.67                 | 17.72                    | 17.73                  |                     |          |          |
| 15                   | 256QAM     | 75      | 0         | 17.75                 | 17.75                    | 17.74                  | Tune-up limit (dBm) |          | MPR (dB) |
| Channel              |            |         |           | 37800                 | 38000                    | 38200                  |                     |          |          |
| Frequency (MHz)      |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |          |
| 10                   | QPSK       | 1       | 0         | 22.85                 | 22.87                    | 22.75                  | 24                  | 0        |          |
| 10                   | QPSK       | 1       | 25        | 22.77                 | 22.89                    | 22.81                  |                     |          |          |
| 10                   | QPSK       | 1       | 49        | 22.88                 | 22.70                    | 22.82                  |                     |          |          |
| 10                   | QPSK       | 25      | 0         | 21.85                 | 21.86                    | 21.81                  | 23                  | 1        |          |
| 10                   | QPSK       | 25      | 12        | 21.74                 | 21.77                    | 21.73                  |                     |          |          |
| 10                   | QPSK       | 25      | 25        | 21.67                 | 21.68                    | 21.66                  |                     |          |          |
| 10                   | QPSK       | 50      | 0         | 21.75                 | 21.78                    | 21.73                  | 23                  | 1        |          |
| 10                   | 16QAM      | 1       | 0         | 21.87                 | 21.92                    | 21.89                  |                     |          |          |
| 10                   | 16QAM      | 1       | 25        | 21.86                 | 21.87                    | 21.85                  |                     |          |          |
| 10                   | 16QAM      | 1       | 49        | 21.82                 | 21.72                    | 21.82                  | 22                  | 2        |          |
| 10                   | 16QAM      | 25      | 0         | 20.84                 | 20.90                    | 20.85                  |                     |          |          |
| 10                   | 16QAM      | 25      | 12        | 20.88                 | 20.84                    | 20.78                  |                     |          |          |
| 10                   | 16QAM      | 25      | 25        | 20.75                 | 20.72                    | 20.71                  | 22                  | 2        |          |
| 10                   | 16QAM      | 50      | 0         | 20.75                 | 20.82                    | 20.69                  |                     |          |          |
| 10                   | 64QAM      | 1       | 0         | 20.83                 | 20.90                    | 20.86                  |                     |          |          |
| 10                   | 64QAM      | 1       | 25        | 20.85                 | 20.84                    | 20.73                  | 22                  | 2        |          |
| 10                   | 64QAM      | 1       | 49        | 20.75                 | 20.73                    | 20.80                  |                     |          |          |
| 10                   | 64QAM      | 25      | 0         | 19.87                 | 19.87                    | 19.86                  |                     |          |          |
| 10                   | 64QAM      | 25      | 12        | 19.74                 | 19.82                    | 19.79                  | 21                  | 3        |          |
| 10                   | 64QAM      | 25      | 25        | 19.78                 | 19.76                    | 19.73                  |                     |          |          |
| 10                   | 64QAM      | 50      | 0         | 19.78                 | 19.84                    | 19.74                  |                     |          |          |
| 10                   | 256QAM     | 1       | 0         | 17.82                 | 17.94                    | 17.85                  | 19                  | 5        |          |
| 10                   | 256QAM     | 1       | 25        | 17.81                 | 17.86                    | 17.84                  |                     |          |          |
| 10                   | 256QAM     | 1       | 49        | 17.71                 | 17.74                    | 17.66                  |                     |          |          |
| 10                   | 256QAM     | 25      | 0         | 17.97                 | 17.92                    | 17.91                  | 19                  | 5        |          |
| 10                   | 256QAM     | 25      | 12        | 17.89                 | 17.86                    | 17.89                  |                     |          |          |
| 10                   | 256QAM     | 25      | 25        | 17.76                 | 17.80                    | 17.72                  |                     |          |          |
| 10                   | 256QAM     | 50      | 0         | 17.68                 | 17.81                    | 17.72                  | Tune-up limit (dBm) |          | MPR (dB) |
| Channel              |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |          |
| Frequency (MHz)      |            |         |           | 2572.5                | 2595                     | 2612.5                 |                     |          |          |
| 5                    | QPSK       | 1       | 0         | 22.75                 | 22.82                    | 22.68                  | 24                  | 0        |          |
| 5                    | QPSK       | 1       | 12        | 22.67                 | 22.78                    | 22.80                  |                     |          |          |
| 5                    | QPSK       | 1       | 24        | 22.77                 | 22.69                    | 22.83                  |                     |          |          |
| 5                    | QPSK       | 12      | 0         | 21.74                 | 21.84                    | 21.81                  | 23                  | 1        |          |
| 5                    | QPSK       | 12      | 7         | 21.66                 | 21.73                    | 21.73                  |                     |          |          |
| 5                    | QPSK       | 12      | 13        | 21.76                 | 21.72                    | 21.71                  |                     |          |          |
| 5                    | QPSK       | 25      | 0         | 21.68                 | 21.75                    | 21.68                  | 23                  | 1        |          |
| 5                    | 16QAM      | 1       | 0         | 21.74                 | 21.85                    | 21.82                  |                     |          |          |
| 5                    | 16QAM      | 1       | 12        | 21.78                 | 21.89                    | 21.83                  |                     |          |          |
| 5                    | 16QAM      | 1       | 24        | 21.66                 | 21.67                    | 21.76                  | 22                  | 2        |          |
| 5                    | 16QAM      | 12      | 0         | 20.75                 | 20.86                    | 20.79                  |                     |          |          |
| 5                    | 16QAM      | 12      | 7         | 20.76                 | 20.81                    | 20.78                  |                     |          |          |
| 5                    | 16QAM      | 12      | 13        | 20.70                 | 20.72                    | 20.67                  | 22                  | 2        |          |
| 5                    | 16QAM      | 25      | 0         | 20.67                 | 20.79                    | 20.68                  |                     |          |          |
| 5                    | 64QAM      | 1       | 0         | 20.75                 | 20.81                    | 20.80                  |                     |          |          |
| 5                    | 64QAM      | 1       | 12        | 20.74                 | 20.82                    | 20.70                  | 22                  | 2        |          |
| 5                    | 64QAM      | 1       | 24        | 20.66                 | 20.69                    | 20.74                  |                     |          |          |
| 5                    | 64QAM      | 12      | 0         | 19.76                 | 19.85                    | 19.84                  |                     |          |          |
| 5                    | 64QAM      | 12      | 7         | 19.70                 | 19.79                    | 19.74                  | 21                  | 3        |          |
| 5                    | 64QAM      | 12      | 13        | 19.66                 | 19.71                    | 19.66                  |                     |          |          |
| 5                    | 64QAM      | 25      | 0         | 19.71                 | 19.80                    | 19.78                  |                     |          |          |
| 5                    | 256QAM     | 1       | 0         | 17.71                 | 17.88                    | 17.75                  | 19                  | 5        |          |
| 5                    | 256QAM     | 1       | 12        | 17.67                 | 17.83                    | 17.77                  |                     |          |          |
| 5                    | 256QAM     | 1       | 24        | 17.70                 | 17.66                    | 17.69                  |                     |          |          |
| 5                    | 256QAM     | 12      | 0         | 17.85                 | 17.93                    | 17.81                  | 19                  | 5        |          |
| 5                    | 256QAM     | 12      | 7         | 17.77                 | 17.83                    | 17.83                  |                     |          |          |
| 5                    | 256QAM     | 12      | 13        | 17.69                 | 17.74                    | 17.74                  |                     |          |          |
| 5                    | 256QAM     | 25      | 0         | 17.66                 | 17.78                    | 17.71                  |                     |          |          |

| Band 41 Ant1 Default |            |         |           |                       |                          |                        |                     |          |    |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|----|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |    |
| Channel              |            |         |           | 39750                 | 40185                    | 40620                  | Tune-up limit (dBm) | MPR (dB) |    |
| Frequency (MHz)      |            |         |           | 2506                  | 2549.5                   | 2593                   |                     |          |    |
| 20                   | QPSK       | 1       | 0         | 22.88                 | 22.69                    | 22.94                  | 24                  | 0        | </ |

### GSM1900 Ant2 DS10

| GSM1900         | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
|                 | 661                       | 810   |        |                     | 512                       | 661   | 810    |                     |
| TX Channel      | -                         | 661   | 810    |                     | 512                       | 661   | 810    |                     |
| Frequency (MHz) | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot   | 28.93                     | 28.99 | 28.92  | 30.50               | 19.93                     | 19.99 | 19.92  | 21.50               |
| GPRS 1 Tx slot  | 28.84                     | 28.94 | 28.81  | 30.50               | 19.84                     | 19.94 | 19.81  | 21.50               |
| GPRS 2 Tx slots | 25.76                     | 25.90 | 25.84  | 27.50               | 19.76                     | 19.90 | 19.84  | 21.50               |
| GPRS 3 Tx slots | 24.03                     | 24.11 | 24.00  | 26.00               | 19.77                     | 19.85 | 19.74  | 21.74               |
| GPRS 4 Tx slots | 22.73                     | 22.85 | 22.79  | 24.50               | 19.73                     | 19.85 | 19.79  | 21.50               |
| EDGE 1 Tx slot  | 24.72                     | 24.86 | 24.80  | 26.00               | 15.72                     | 15.86 | 15.80  | 17.00               |
| EDGE 2 Tx slots | 21.60                     | 21.65 | 21.58  | 23.00               | 15.60                     | 15.65 | 15.58  | 17.00               |
| EDGE 3 Tx slots | 19.63                     | 19.72 | 19.60  | 21.00               | 15.37                     | 15.46 | 15.34  | 16.74               |
| EDGE 4 Tx slots | 18.06                     | 18.17 | 18.02  | 19.50               | 15.06                     | 15.17 | 15.02  | 16.50               |

### WCDMA II Ant2 DS10

### WCDMA IV Ant2 DS10

| Band            | WCDMA II               |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        | Tune-up Limit (dBm) |
|-----------------|------------------------|-------|--------|---------------------|----------|--------|--------|---------------------|
|                 | 9262                   | 9400  | 9538   |                     | 1312     | 1413   | 1513   |                     |
| TX Channel      | 9262                   | 9400  | 9538   |                     | 1312     | 1413   | 1513   |                     |
| Rx Channel      | 9562                   | 9800  | 9938   |                     | 1537     | 1638   | 1738   |                     |
| Frequency (MHz) | 1632.4                 | 1680  | 1707.6 |                     | 1712.4   | 1732.6 | 1752.6 |                     |
| 3GPP Rel 99     | AMR 12.2kbps           | 18.74 | 19.74  | 21.50               | 20.74    | 21.68  | 24.00  | 22.50               |
| 3GPP Rel 99     | AMR 12.2kbps           | 19.80 | 19.92  | 19.70               | 21.50    | 20.82  | 21.17  | 20.99               |
| 3GPP Rel 6      | HSRPA Subtest-1        | 18.85 | 18.77  | 18.73               | 20.50    | 19.87  | 20.03  | 19.79               |
| 3GPP Rel 6      | HSRPA Subtest-2        | 18.87 | 18.79  | 18.67               | 20.50    | 19.96  | 20.16  | 19.84               |
| 3GPP Rel 6      | HSRPA Subtest-3        | 18.33 | 18.45  | 18.26               | 20.00    | 19.47  | 19.72  | 19.40               |
| 3GPP Rel 6      | HSRPA Subtest-4        | 18.33 | 18.36  | 18.12               | 20.00    | 19.43  | 19.62  | 19.26               |
| 3GPP Rel 8      | DC-HSRPA Subtest-1     | 18.79 | 18.82  | 18.66               | 20.50    | 19.90  | 20.09  | 19.89               |
| 3GPP Rel 8      | DC-HSRPA Subtest-2     | 18.79 | 18.81  | 18.67               | 20.50    | 19.97  | 20.17  | 19.79               |
| 3GPP Rel 8      | DC-HSRPA Subtest-3     | 18.34 | 18.37  | 18.22               | 20.00    | 19.48  | 19.56  | 19.43               |
| 3GPP Rel 8      | DC-HSRPA Subtest-4     | 18.32 | 18.35  | 18.09               | 20.00    | 19.39  | 19.57  | 19.26               |
| 3GPP Rel 6      | HSUPA Subtest-1        | 18.75 | 18.83  | 18.64               | 20.50    | 20.00  | 20.06  | 19.85               |
| 3GPP Rel 6      | HSUPA Subtest-2        | 16.78 | 16.79  | 16.66               | 18.50    | 17.99  | 18.09  | 17.80               |
| 3GPP Rel 6      | HSUPA Subtest-3        | 17.81 | 17.80  | 17.68               | 19.50    | 19.08  | 19.05  | 18.77               |
| 3GPP Rel 6      | HSUPA Subtest-4        | 16.82 | 16.77  | 16.74               | 18.50    | 17.99  | 18.09  | 17.86               |
| 3GPP Rel 6      | HSUPA Subtest-5        | 18.79 | 18.84  | 18.72               | 20.50    | 19.98  | 20.15  | 19.79               |
| 3GPP Rel 7      | HSPA+ (LQAM) Subtest-1 | 16.25 | 16.35  | 16.32               | 18.00    | 17.54  | 17.64  | 17.56               |

| Band 2 Ant2 DS10 |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
|------------------|-----------------|---------|-----------|---------------------------|---------------------------|---------------------------|------------------------|-------------|---|---|--|--|--|--|--|--|--|--|
| BS (MHz)         | Modulation<br>n | RB Size | RB Offset | Power<br>Ch./Freq<br>1800 | Power<br>Ch./Freq<br>1800 | Power<br>Ch./Freq<br>1800 | Time-up<br>limt<br>(s) | MPR<br>(dB) |   |   |  |  |  |  |  |  |  |  |
| Channel          |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
| Frequency (MHz)  |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | QPSK            | 1       | 0         | 19.59                     | 19.62                     | 19.58                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | QPSK            | 1       | 49        | 19.56                     | 19.59                     | 19.47                     |                        | 21          | 0 |   |  |  |  |  |  |  |  |  |
| 20               | QPSK            | 1       | 98        | 19.45                     | 19.55                     | 19.44                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | QPSK            | 50      | 0         | 19.53                     | 19.57                     | 19.49                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | QPSK            | 50      | 24        | 19.39                     | 19.53                     | 19.44                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 20               | QPSK            | 50      | 49        | 19.47                     | 19.53                     | 19.45                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | QPSK            | 100     | 0         | 19.46                     | 19.58                     | 19.42                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 16QAM           | 1       | 0         | 19.57                     | 19.60                     | 19.55                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 20               | 16QAM           | 1       | 49        | 19.45                     | 19.52                     | 19.42                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 16QAM           | 1       | 99        | 19.42                     | 19.50                     | 19.47                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 16QAM           | 50      | 0         | 19.52                     | 19.54                     | 19.44                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 16QAM           | 50      | 24        | 19.45                     | 19.51                     | 19.39                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 20               | 16QAM           | 100     | 0         | 19.43                     | 19.53                     | 19.36                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 64QAM           | 1       | 0         | 19.45                     | 19.55                     | 19.45                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 20               | 64QAM           | 1       | 49        | 19.54                     | 19.55                     | 19.42                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 64QAM           | 1       | 99        | 19.42                     | 19.52                     | 19.45                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 64QAM           | 50      | 0         | 19.42                     | 19.49                     | 19.44                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 20               | 64QAM           | 50      | 24        | 19.32                     | 19.49                     | 19.37                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 64QAM           | 100     | 0         | 19.44                     | 19.51                     | 19.37                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 256QAM          | 1       | 0         | 19.53                     | 19.55                     | 19.51                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 256QAM          | 1       | 49        | 19.32                     | 19.48                     | 19.37                     |                        | 20          | 1 | 0 |  |  |  |  |  |  |  |  |
| 20               | 256QAM          | 1       | 99        | 19.34                     | 19.41                     | 19.37                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 256QAM          | 50      | 0         | 19.43                     | 19.43                     | 19.38                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 256QAM          | 50      | 24        | 19.26                     | 19.31                     | 19.26                     |                        | 20          | 1 | 0 |  |  |  |  |  |  |  |  |
| 20               | 256QAM          | 50      | 49        | 19.29                     | 19.43                     | 19.29                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 20               | 256QAM          | 100     | 0         | 19.16                     | 19.27                     | 19.14                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| Channel          |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
| Frequency (MHz)  |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | QPSK            | 1       | 0         | 19.48                     | 19.48                     | 19.48                     |                        | 21          | 0 |   |  |  |  |  |  |  |  |  |
| 15               | QPSK            | 1       | 37        | 19.48                     | 19.51                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | QPSK            | 1       | 74        | 19.39                     | 19.44                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | QPSK            | 36      | 0         | 19.48                     | 19.42                     | 19.38                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 15               | QPSK            | 36      | 37        | 19.39                     | 19.37                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | QPSK            | 36      | 39        | 19.34                     | 19.41                     | 19.25                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | QPSK            | 75      | 0         | 19.41                     | 19.34                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 16QAM           | 1       | 0         | 19.49                     | 19.52                     | 19.45                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 16QAM           | 1       | 37        | 19.37                     | 19.48                     | 19.29                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 15               | 16QAM           | 1       | 74        | 19.31                     | 19.47                     | 19.41                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 16QAM           | 36      | 0         | 19.44                     | 19.44                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 16QAM           | 36      | 20        | 19.25                     | 19.43                     | 19.24                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 15               | 16QAM           | 36      | 39        | 19.37                     | 19.42                     | 19.29                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 16QAM           | 75      | 0         | 19.32                     | 19.47                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 64QAM           | 1       | 0         | 19.50                     | 19.52                     | 19.51                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 64QAM           | 1       | 37        | 19.50                     | 19.45                     | 19.21                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 15               | 64QAM           | 1       | 74        | 19.32                     | 19.47                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 64QAM           | 36      | 0         | 19.31                     | 19.39                     | 19.37                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 64QAM           | 36      | 20        | 19.19                     | 19.36                     | 19.34                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 15               | 64QAM           | 36      | 39        | 19.33                     | 19.41                     | 19.31                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 64QAM           | 75      | 0         | 19.37                     | 19.43                     | 19.24                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 256QAM          | 1       | 0         | 19.37                     | 19.48                     | 19.40                     |                        | 20          | 1 | 0 |  |  |  |  |  |  |  |  |
| 15               | 256QAM          | 1       | 37        | 19.32                     | 19.37                     | 19.32                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 256QAM          | 1       | 74        | 19.37                     | 19.31                     | 19.37                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 256QAM          | 36      | 0         | 19.35                     | 19.28                     | 19.23                     |                        | 20          | 1 | 0 |  |  |  |  |  |  |  |  |
| 15               | 256QAM          | 36      | 20        | 19.17                     | 19.25                     | 19.21                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 256QAM          | 36      | 39        | 19.24                     | 19.35                     | 19.25                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 15               | 256QAM          | 75      | 0         | 19.06                     | 19.13                     | 19.05                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| Channel          |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
| Frequency (MHz)  |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | QPSK            | 1       | 0         | 19.45                     | 19.49                     | 19.54                     |                        | 21          | 0 |   |  |  |  |  |  |  |  |  |
| 10               | QPSK            | 1       | 25        | 19.52                     | 19.48                     | 19.34                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | QPSK            | 1       | 49        | 19.33                     | 19.37                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | QPSK            | 25      | 0         | 19.39                     | 19.46                     | 19.38                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | QPSK            | 25      | 12        | 19.33                     | 19.39                     | 19.36                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 10               | QPSK            | 25      | 49        | 19.40                     | 19.46                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 16QAM           | 1       | 0         | 19.46                     | 19.54                     | 19.43                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 16QAM           | 1       | 49        | 19.37                     | 19.44                     | 19.37                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 10               | 16QAM           | 1       | 49        | 19.29                     | 19.45                     | 19.33                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 16QAM           | 25      | 0         | 19.41                     | 19.43                     | 19.40                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 16QAM           | 25      | 12        | 19.30                     | 19.38                     | 19.27                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 10               | 16QAM           | 25      | 25        | 19.35                     | 19.38                     | 19.23                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 16QAM           | 50      | 0         | 19.38                     | 19.46                     | 19.31                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 16QAM           | 50      | 25        | 19.42                     | 19.44                     | 19.26                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 10               | 64QAM           | 1       | 25        | 19.48                     | 19.51                     | 19.33                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 64QAM           | 1       | 49        | 19.38                     | 19.40                     | 19.31                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 64QAM           | 25      | 0         | 19.42                     | 19.44                     | 19.24                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 10               | 64QAM           | 25      | 12        | 19.26                     | 19.46                     | 19.40                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 64QAM           | 25      | 25        | 19.34                     | 19.38                     | 19.28                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 64QAM           | 50      | 0         | 19.39                     | 19.44                     | 19.26                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 256QAM          | 1       | 0         | 19.40                     | 19.46                     | 19.40                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 256QAM          | 1       | 25        | 19.19                     | 19.41                     | 19.39                     |                        | 20          | 1 | 0 |  |  |  |  |  |  |  |  |
| 10               | 256QAM          | 1       | 49        | 19.20                     | 19.28                     | 19.27                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 256QAM          | 25      | 0         | 19.29                     | 19.37                     | 19.32                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 256QAM          | 25      | 12        | 19.22                     | 19.25                     | 19.17                     |                        | 20          | 1 | 0 |  |  |  |  |  |  |  |  |
| 10               | 256QAM          | 25      | 25        | 19.18                     | 19.33                     | 19.15                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 10               | 256QAM          | 50      | 0         | 19.02                     | 19.23                     | 19.09                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| Channel          |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
| Frequency (MHz)  |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | QPSK            | 1       | 0         | 19.53                     | 19.53                     | 19.53                     |                        | 21          | 0 |   |  |  |  |  |  |  |  |  |
| 5                | QPSK            | 1       | 12        | 19.51                     | 19.48                     | 19.39                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | QPSK            | 1       | 24        | 19.35                     | 19.47                     | 19.45                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | QPSK            | 12      | 0         | 19.41                     | 19.53                     | 19.49                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 5                | QPSK            | 12      | 7         | 19.33                     | 19.41                     | 19.33                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | QPSK            | 12      | 13        | 19.33                     | 19.47                     | 19.36                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | QPSK            | 25      | 0         | 19.42                     | 19.47                     | 19.31                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | QPSK            | 1       | 16QAM     | 19.45                     | 19.48                     | 19.45                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 5                | 16QAM           | 1       | 12        | 19.39                     | 19.42                     | 19.31                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 16QAM           | 1       | 24        | 19.36                     | 19.39                     | 19.32                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 16QAM           | 12      | 0         | 19.41                     | 19.43                     | 19.32                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 16QAM           | 12      | 7         | 19.23                     | 19.36                     | 19.27                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 5                | 16QAM           | 12      | 13        | 19.30                     | 19.40                     | 19.30                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 16QAM           | 25      | 0         | 19.29                     | 19.42                     | 19.27                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 64QAM           | 1       | 0         | 19.55                     | 19.44                     | 19.43                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 64QAM           | 1       | 12        | 19.45                     | 19.53                     | 19.32                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 5                | 64QAM           | 1       | 24        | 19.38                     | 19.42                     | 19.47                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 64QAM           | 12      | 0         | 19.33                     | 19.41                     | 19.29                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 64QAM           | 12      | 7         | 19.26                     | 19.41                     | 19.34                     |                        | 21          | 0 | 0 |  |  |  |  |  |  |  |  |
| 5                | 64QAM           | 12      | 13        | 19.40                     | 19.38                     | 19.27                     |                        |             |   |   |  |  |  |  |  |  |  |  |
| 5                | 64QAM           | 25      | 0         | 19.37                     | 19.45                     | 19.24                     |                        |             |   |   |  |  |  |  |  |  |  |  |
|                  |                 |         |           |                           |                           |                           |                        |             |   |   |  |  |  |  |  |  |  |  |







## Reduced Power Mode for DSI 1\_Main PA

| GSM850 Ant0 Default                |  |                           |       |        |                     |                           |        |        |                     |
|------------------------------------|--|---------------------------|-------|--------|---------------------|---------------------------|--------|--------|---------------------|
| GSM850                             |  | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame Average Power (dBm) |        |        | Tune-up Limit (dBm) |
| TX Channel                         |  | 128                       | 198   | 251    |                     | 128                       | 198    | 251    |                     |
| Frequency (MHz)                    |  | 824.2                     | 836.4 | 848.8  | (dBm)               | 824.2                     | 836.4  | 848.8  | (dBm)               |
| GSM 1 Tx slot                      |  | 33.15                     | 33.18 | 33.08  | 34.00               | 24.15                     | 24.18  | 24.08  | 25.00               |
| GPRS 1 Tx slot                     |  | 33.10                     | 33.15 | 33.02  | 34.00               | 24.10                     | 24.15  | 24.02  | 25.00               |
| GPRS 2 Tx slots                    |  | 30.10                     | 30.17 | 30.09  | 31.00               | 24.10                     | 24.17  | 24.09  | 25.00               |
| GPRS 3 Tx slots                    |  | 28.26                     | 28.34 | 28.28  | 29.50               | 24.00                     | 24.08  | 24.02  | 25.24               |
| GPRS 4 Tx slots                    |  | 26.80                     | 26.91 | 26.85  | 28.00               | 23.80                     | 23.91  | 23.85  | 25.00               |
| EDGE 1 Tx slot                     |  | 27.13                     | 27.18 | 27.09  | 27.50               | 18.13                     | 18.18  | 18.09  | 18.50               |
| EDGE 2 Tx slots                    |  | 24.21                     | 24.29 | 24.24  | 24.50               | 18.21                     | 18.29  | 18.24  | 18.50               |
| EDGE 3 Tx slots                    |  | 22.27                     | 22.30 | 22.26  | 22.50               | 18.01                     | 18.04  | 18.00  | 18.24               |
| EDGE 4 Tx slots                    |  | 20.88                     | 20.96 | 20.91  | 21.50               | 17.88                     | 17.96  | 17.91  | 18.50               |
| GSM1900 Ant0 DSI1                  |  |                           |       |        |                     |                           |        |        |                     |
| GSM1900                            |  | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame Average Power (dBm) |        |        | Tune-up Limit (dBm) |
| TX Channel                         |  | 512                       | 661   | 810    |                     | 512                       | 661    | 810    |                     |
| Frequency (MHz)                    |  | 1850.2                    | 1880  | 1909.8 | (dBm)               | 1850.2                    | 1880   | 1909.8 | (dBm)               |
| GSM 1 Tx slot                      |  | 27.04                     | 27.16 | 27.06  | 28.00               | 18.04                     | 18.16  | 18.06  | 19.00               |
| GPRS 1 Tx slot                     |  | 27.05                     | 27.11 | 26.99  | 28.00               | 18.05                     | 18.11  | 17.99  | 19.00               |
| GPRS 2 Tx slots                    |  | 23.96                     | 24.03 | 23.99  | 25.00               | 17.96                     | 18.03  | 17.99  | 19.00               |
| GPRS 3 Tx slots                    |  | 22.21                     | 22.29 | 22.19  | 23.50               | 17.95                     | 18.03  | 17.93  | 19.24               |
| GPRS 4 Tx slots                    |  | 21.00                     | 21.06 | 20.97  | 22.00               | 18.00                     | 18.06  | 17.97  | 19.00               |
| EDGE 1 Tx slot                     |  | 22.81                     | 22.89 | 22.79  | 23.50               | 13.81                     | 13.89  | 13.79  | 14.50               |
| EDGE 2 Tx slots                    |  | 19.43                     | 19.58 | 19.53  | 20.50               | 13.43                     | 13.58  | 13.53  | 14.50               |
| EDGE 3 Tx slots                    |  | 17.58                     | 17.65 | 17.57  | 18.50               | 13.32                     | 13.39  | 13.31  | 14.24               |
| EDGE 4 Tx slots                    |  | 16.00                     | 16.11 | 16.01  | 17.00               | 13.00                     | 13.11  | 13.01  | 14.00               |
| WCDMA II Ant0 DSI1                 |  |                           |       |        |                     |                           |        |        |                     |
| Band                               |  | WCDMA II                  |       |        | Tune-up Limit (dBm) | WCDMA IV                  |        |        | Tune-up Limit (dBm) |
| TX Channel                         |  | 9262                      | 9400  | 9538   |                     | 1312                      | 1413   | 1513   |                     |
| RX Channel                         |  | 9662                      | 9800  | 9938   | (dBm)               | 1637                      | 1639   | 1738   | (dBm)               |
| Frequency (MHz)                    |  | 1852.4                    | 1880  | 1907.6 | (dBm)               | 1712.4                    | 1732.6 | 1752.6 | (dBm)               |
| 3GPP Rel 99 AMR 12.2Kbps           |  | 20.93                     | 21.01 | 20.90  | 21.50               | 18.82                     | 18.98  | 18.92  | 20.00               |
| 3GPP Rel 99 RMC 12.2Kbps           |  | 20.95                     | 21.18 | 21.06  | 21.50               | 18.83                     | 19.04  | 18.96  | 20.00               |
| 3GPP Rel 6 HSDPA Subtest-1         |  | 20.03                     | 20.15 | 19.90  | 20.50               | 17.93                     | 18.08  | 17.94  | 19.00               |
| 3GPP Rel 6 HSDPA Subtest-2         |  | 19.97                     | 20.14 | 19.91  | 20.50               | 17.83                     | 18.01  | 17.92  | 19.00               |
| 3GPP Rel 6 HSDPA Subtest-3         |  | 19.51                     | 19.65 | 19.38  | 20.00               | 17.39                     | 17.53  | 17.39  | 18.50               |
| 3GPP Rel 6 HSDPA Subtest-4         |  | 19.43                     | 19.48 | 19.42  | 20.00               | 17.37                     | 17.62  | 17.35  | 18.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-1      |  | 20.00                     | 20.12 | 19.98  | 20.50               | 17.86                     | 18.19  | 18.03  | 19.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-2      |  | 19.93                     | 20.11 | 19.96  | 20.50               | 17.82                     | 18.10  | 18.02  | 19.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-3      |  | 19.56                     | 19.78 | 19.35  | 20.00               | 17.53                     | 17.62  | 17.43  | 18.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-4      |  | 19.51                     | 19.56 | 19.55  | 20.00               | 17.37                     | 17.62  | 17.40  | 18.50               |
| 3GPP Rel 6 HSUPA Subtest-1         |  | 19.86                     | 20.13 | 20.01  | 20.50               | 17.83                     | 18.02  | 17.98  | 19.00               |
| 3GPP Rel 6 HSUPA Subtest-2         |  | 18.02                     | 18.09 | 17.91  | 18.50               | 15.77                     | 15.94  | 16.00  | 17.00               |
| 3GPP Rel 6 HSUPA Subtest-3         |  | 19.03                     | 19.18 | 18.90  | 19.50               | 16.86                     | 17.05  | 17.00  | 18.00               |
| 3GPP Rel 6 HSUPA Subtest-4         |  | 17.99                     | 18.08 | 17.93  | 18.50               | 15.85                     | 16.06  | 15.92  | 17.00               |
| 3GPP Rel 6 HSUPA Subtest-5         |  | 20.02                     | 20.09 | 19.99  | 20.50               | 17.88                     | 18.02  | 17.94  | 19.00               |
| 3GPP Rel 7 WSPA+ (16QAM) Subtest-1 |  | 17.48                     | 17.56 | 17.51  | 18.00               | 15.34                     | 15.64  | 15.54  | 16.50               |
| WCDMA V Ant0 Default               |  |                           |       |        |                     |                           |        |        |                     |
| Band                               |  | WCDMA V                   |       |        | Tune-up Limit (dBm) | WCDMA V                   |        |        | Tune-up Limit (dBm) |
| TX Channel                         |  | 4132                      | 4182  | 4233   |                     | 4132                      | 4182   | 4233   |                     |
| RX Channel                         |  | 4557                      | 4607  | 4658   | (dBm)               | 4557                      | 4607   | 4658   | (dBm)               |
| Frequency (MHz)                    |  | 826.4                     | 836.4 | 846.6  | (dBm)               | 826.4                     | 836.4  | 846.6  | (dBm)               |
| 3GPP Rel 99 AMR 12.2Kbps           |  | 20.93                     | 21.01 | 20.90  | 21.50               | 18.82                     | 18.98  | 18.92  | 20.00               |
| 3GPP Rel 99 RMC 12.2Kbps           |  | 20.95                     | 21.18 | 21.06  | 21.50               | 18.83                     | 19.04  | 18.96  | 20.00               |
| 3GPP Rel 6 HSDPA Subtest-1         |  | 20.03                     | 20.15 | 19.90  | 20.50               | 17.93                     | 18.08  | 17.94  | 19.00               |
| 3GPP Rel 6 HSDPA Subtest-2         |  | 19.97                     | 20.14 | 19.91  | 20.50               | 17.83                     | 18.01  | 17.92  | 19.00               |
| 3GPP Rel 6 HSDPA Subtest-3         |  | 19.51                     | 19.65 | 19.38  | 20.00               | 17.39                     | 17.53  | 17.39  | 18.50               |
| 3GPP Rel 6 HSDPA Subtest-4         |  | 19.43                     | 19.48 | 19.42  | 20.00               | 17.37                     | 17.62  | 17.35  | 18.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-1      |  | 20.00                     | 20.12 | 19.98  | 20.50               | 17.86                     | 18.19  | 18.03  | 19.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-2      |  | 19.93                     | 20.11 | 19.96  | 20.50               | 17.82                     | 18.10  | 18.02  | 19.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-3      |  | 19.56                     | 19.78 | 19.35  | 20.00               | 17.53                     | 17.62  | 17.43  | 18.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-4      |  | 19.51                     | 19.56 | 19.55  | 20.00               | 17.37                     | 17.62  | 17.40  | 18.50               |
| 3GPP Rel 6 HSUPA Subtest-1         |  | 19.86                     | 20.13 | 20.01  | 20.50               | 17.83                     | 18.02  | 17.98  | 19.00               |
| 3GPP Rel 6 HSUPA Subtest-2         |  | 18.02                     | 18.09 | 17.91  | 18.50               | 15.77                     | 15.94  | 16.00  | 17.00               |
| 3GPP Rel 6 HSUPA Subtest-3         |  | 19.03                     | 19.18 | 18.90  | 19.50               | 16.86                     | 17.05  | 17.00  | 18.00               |
| 3GPP Rel 6 HSUPA Subtest-4         |  | 17.99                     | 18.08 | 17.93  | 18.50               | 15.85                     | 16.06  | 15.92  | 17.00               |
| 3GPP Rel 6 HSUPA Subtest-5         |  | 20.02                     | 20.09 | 19.99  | 20.50               | 17.88                     | 18.02  | 17.94  | 19.00               |
| 3GPP Rel 7 WSPA+ (16QAM) Subtest-1 |  | 17.48                     | 17.56 | 17.51  | 18.00               | 15.34                     | 15.64  | 15.54  | 16.50               |



| Band 38 Ant0 DS11 |            |         |           |                       |                          |                        |                     |          |  |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel           |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |  |
| Frequency (MHz)   |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |  |
| 20                | QPSK       | 1       | 0         | 22.00                 | 22.14                    | 21.93                  | 23                  | 0        |  |  |
| 20                | QPSK       | 1       | 49        | 21.95                 | 22.06                    | 21.98                  |                     |          |  |  |
| 20                | QPSK       | 1       | 99        | 21.75                 | 21.90                    | 21.73                  |                     |          |  |  |
| 20                | QPSK       | 50      | 0         | 21.91                 | 22.03                    | 21.89                  | 23                  | 0        |  |  |
| 20                | QPSK       | 50      | 24        | 21.87                 | 21.90                    | 21.85                  |                     |          |  |  |
| 20                | QPSK       | 50      | 50        | 21.89                 | 21.92                    | 21.83                  |                     |          |  |  |
| 20                | QPSK       | 100     | 0         | 21.81                 | 21.96                    | 21.82                  | 23                  | 0        |  |  |
| 20                | 16QAM      | 1       | 0         | 21.86                 | 22.03                    | 21.81                  |                     |          |  |  |
| 20                | 16QAM      | 1       | 49        | 21.81                 | 21.93                    | 21.87                  |                     |          |  |  |
| 20                | 16QAM      | 1       | 99        | 21.63                 | 21.81                    | 21.64                  | 23                  | 0        |  |  |
| 20                | 16QAM      | 50      | 0         | 21.80                 | 21.93                    | 21.83                  |                     |          |  |  |
| 20                | 16QAM      | 50      | 24        | 21.74                 | 21.80                    | 21.72                  |                     |          |  |  |
| 20                | 16QAM      | 50      | 50        | 21.80                 | 21.86                    | 21.78                  | 23                  | 0        |  |  |
| 20                | 16QAM      | 100     | 0         | 21.74                 | 21.89                    | 21.69                  |                     |          |  |  |
| 20                | 64QAM      | 1       | 0         | 21.81                 | 21.80                    | 21.67                  |                     |          |  |  |
| 20                | 64QAM      | 1       | 49        | 21.65                 | 21.81                    | 21.79                  | 23                  | 0        |  |  |
| 20                | 64QAM      | 1       | 99        | 21.84                 | 21.88                    | 21.79                  |                     |          |  |  |
| 20                | 64QAM      | 50      | 0         | 20.95                 | 21.08                    | 20.86                  |                     |          |  |  |
| 20                | 64QAM      | 50      | 24        | 20.98                 | 20.99                    | 20.93                  | 22                  | 1        |  |  |
| 20                | 64QAM      | 50      | 50        | 20.86                 | 20.95                    | 20.89                  |                     |          |  |  |
| 20                | 64QAM      | 100     | 0         | 20.96                 | 21.08                    | 20.87                  |                     |          |  |  |
| 20                | 256QAM     | 1       | 0         | 18.79                 | 18.93                    | 18.78                  | 20                  | 3        |  |  |
| 20                | 256QAM     | 1       | 49        | 18.89                 | 19.00                    | 18.92                  |                     |          |  |  |
| 20                | 256QAM     | 1       | 99        | 18.87                 | 19.02                    | 19.00                  |                     |          |  |  |
| 20                | 256QAM     | 50      | 0         | 18.97                 | 19.05                    | 19.01                  | 20                  | 3        |  |  |
| 20                | 256QAM     | 50      | 24        | 18.97                 | 18.96                    | 18.89                  |                     |          |  |  |
| 20                | 256QAM     | 50      | 50        | 18.85                 | 18.95                    | 18.91                  |                     |          |  |  |
| 20                | 256QAM     | 100     | 0         | 19.01                 | 19.04                    | 19.01                  |                     |          |  |  |
| Channel           |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 25725                 | 2595                     | 26125                  |                     |          |  |  |
| 15                | QPSK       | 1       | 0         | 21.92                 | 22.01                    | 21.89                  | 23                  | 0        |  |  |
| 15                | QPSK       | 1       | 37        | 21.81                 | 22.02                    | 21.85                  |                     |          |  |  |
| 15                | QPSK       | 1       | 74        | 21.69                 | 21.78                    | 21.68                  |                     |          |  |  |
| 15                | QPSK       | 36      | 0         | 21.82                 | 21.89                    | 21.82                  | 23                  | 0        |  |  |
| 15                | QPSK       | 36      | 20        | 21.72                 | 21.78                    | 21.75                  |                     |          |  |  |
| 15                | QPSK       | 36      | 39        | 21.79                 | 21.86                    | 21.69                  |                     |          |  |  |
| 15                | QPSK       | 75      | 0         | 21.77                 | 21.92                    | 21.75                  | 23                  | 0        |  |  |
| 15                | 16QAM      | 1       | 0         | 21.77                 | 21.98                    | 21.74                  |                     |          |  |  |
| 15                | 16QAM      | 1       | 37        | 21.74                 | 21.88                    | 21.76                  |                     |          |  |  |
| 15                | 16QAM      | 1       | 74        | 21.50                 | 21.76                    | 21.57                  | 23                  | 0        |  |  |
| 15                | 16QAM      | 36      | 0         | 21.73                 | 21.88                    | 21.76                  |                     |          |  |  |
| 15                | 16QAM      | 36      | 20        | 21.67                 | 21.67                    | 21.61                  |                     |          |  |  |
| 15                | 16QAM      | 36      | 39        | 21.66                 | 21.81                    | 21.67                  | 23                  | 0        |  |  |
| 15                | 16QAM      | 75      | 0         | 21.60                 | 21.77                    | 21.64                  |                     |          |  |  |
| 15                | 64QAM      | 1       | 0         | 21.72                 | 21.76                    | 21.62                  |                     |          |  |  |
| 15                | 64QAM      | 1       | 37        | 21.56                 | 21.77                    | 21.76                  | 23                  | 0        |  |  |
| 15                | 64QAM      | 1       | 74        | 21.71                 | 21.74                    | 21.72                  |                     |          |  |  |
| 15                | 64QAM      | 36      | 0         | 20.87                 | 21.00                    | 20.90                  |                     |          |  |  |
| 15                | 64QAM      | 36      | 20        | 20.90                 | 20.92                    | 20.84                  | 22                  | 1        |  |  |
| 15                | 64QAM      | 36      | 39        | 20.81                 | 20.82                    | 20.84                  |                     |          |  |  |
| 15                | 64QAM      | 75      | 0         | 20.87                 | 20.95                    | 20.73                  |                     |          |  |  |
| 15                | 256QAM     | 1       | 0         | 18.67                 | 18.88                    | 18.72                  | 20                  | 3        |  |  |
| 15                | 256QAM     | 1       | 37        | 18.76                 | 18.81                    | 18.88                  |                     |          |  |  |
| 15                | 256QAM     | 1       | 74        | 18.73                 | 18.87                    | 18.86                  |                     |          |  |  |
| 15                | 256QAM     | 36      | 0         | 18.84                 | 18.97                    | 18.95                  | 20                  | 3        |  |  |
| 15                | 256QAM     | 36      | 20        | 18.84                 | 18.82                    | 18.77                  |                     |          |  |  |
| 15                | 256QAM     | 36      | 39        | 18.82                 | 18.91                    | 18.84                  |                     |          |  |  |
| 15                | 256QAM     | 75      | 0         | 18.96                 | 18.92                    | 18.90                  |                     |          |  |  |
| Channel           |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |  |
| 10                | QPSK       | 1       | 0         | 21.93                 | 22.02                    | 21.80                  | 23                  | 0        |  |  |
| 10                | QPSK       | 1       | 25        | 21.89                 | 22.02                    | 21.86                  |                     |          |  |  |
| 10                | QPSK       | 1       | 49        | 21.71                 | 21.81                    | 21.63                  |                     |          |  |  |
| 10                | QPSK       | 25      | 0         | 21.87                 | 21.96                    | 21.83                  | 23                  | 0        |  |  |
| 10                | QPSK       | 25      | 12        | 21.76                 | 21.78                    | 21.78                  |                     |          |  |  |
| 10                | QPSK       | 25      | 25        | 21.76                 | 21.85                    | 21.68                  |                     |          |  |  |
| 10                | QPSK       | 50      | 0         | 21.69                 | 21.84                    | 21.69                  | 23                  | 0        |  |  |
| 10                | 16QAM      | 1       | 0         | 21.76                 | 21.98                    | 21.67                  |                     |          |  |  |
| 10                | 16QAM      | 1       | 25        | 21.70                 | 21.83                    | 21.81                  |                     |          |  |  |
| 10                | 16QAM      | 1       | 49        | 21.58                 | 21.67                    | 21.57                  | 23                  | 0        |  |  |
| 10                | 16QAM      | 25      | 0         | 21.75                 | 21.81                    | 21.70                  |                     |          |  |  |
| 10                | 16QAM      | 25      | 12        | 21.70                 | 21.67                    | 21.61                  |                     |          |  |  |
| 10                | 16QAM      | 25      | 25        | 21.75                 | 21.76                    | 21.63                  | 23                  | 0        |  |  |
| 10                | 16QAM      | 50      | 0         | 21.64                 | 21.83                    | 21.62                  |                     |          |  |  |
| 10                | 64QAM      | 1       | 0         | 21.78                 | 21.71                    | 21.61                  |                     |          |  |  |
| 10                | 64QAM      | 1       | 25        | 21.55                 | 21.73                    | 21.74                  | 23                  | 0        |  |  |
| 10                | 64QAM      | 1       | 49        | 21.79                 | 21.80                    | 21.68                  |                     |          |  |  |
| 10                | 64QAM      | 25      | 0         | 20.90                 | 21.00                    | 20.91                  |                     |          |  |  |
| 10                | 64QAM      | 25      | 12        | 20.99                 | 20.95                    | 20.86                  | 22                  | 1        |  |  |
| 10                | 64QAM      | 25      | 25        | 20.74                 | 20.90                    | 20.84                  |                     |          |  |  |
| 10                | 64QAM      | 50      | 0         | 20.87                 | 21.05                    | 20.78                  |                     |          |  |  |
| 10                | 256QAM     | 1       | 0         | 18.73                 | 18.87                    | 18.71                  | 20                  | 3        |  |  |
| 10                | 256QAM     | 1       | 25        | 18.74                 | 18.94                    | 18.82                  |                     |          |  |  |
| 10                | 256QAM     | 1       | 49        | 18.77                 | 18.96                    | 18.90                  |                     |          |  |  |
| 10                | 256QAM     | 25      | 0         | 18.92                 | 19.01                    | 18.91                  | 20                  | 3        |  |  |
| 10                | 256QAM     | 25      | 12        | 18.91                 | 18.84                    | 18.75                  |                     |          |  |  |
| 10                | 256QAM     | 25      | 25        | 18.74                 | 18.90                    | 18.85                  |                     |          |  |  |
| 10                | 256QAM     | 50      | 0         | 18.97                 | 18.93                    | 18.94                  |                     |          |  |  |
| Channel           |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 25725                 | 2595                     | 26175                  |                     |          |  |  |
| 5                 | QPSK       | 1       | 0         | 21.87                 | 22.04                    | 21.84                  | 23                  | 0        |  |  |
| 5                 | QPSK       | 1       | 12        | 21.87                 | 21.96                    | 21.91                  |                     |          |  |  |
| 5                 | QPSK       | 1       | 24        | 21.64                 | 21.83                    | 21.62                  |                     |          |  |  |
| 5                 | QPSK       | 12      | 0         | 21.77                 | 22.00                    | 21.75                  | 23                  | 0        |  |  |
| 5                 | QPSK       | 12      | 7         | 21.78                 | 21.80                    | 21.74                  |                     |          |  |  |
| 5                 | QPSK       | 12      | 13        | 21.80                 | 21.89                    | 21.72                  |                     |          |  |  |
| 5                 | QPSK       | 25      | 0         | 21.75                 | 21.84                    | 21.68                  | 23                  | 0        |  |  |
| 5                 | 16QAM      | 1       | 0         | 21.78                 | 21.92                    | 21.66                  |                     |          |  |  |
| 5                 | 16QAM      | 1       | 12        | 21.70                 | 21.81                    | 21.77                  |                     |          |  |  |
| 5                 | 16QAM      | 1       | 24        | 21.58                 | 21.72                    | 21.50                  | 23                  | 0        |  |  |
| 5                 | 16QAM      | 12      | 0         | 21.65                 | 21.87                    | 21.69                  |                     |          |  |  |
| 5                 | 16QAM      | 12      | 7         | 21.66                 | 21.69                    | 21.68                  |                     |          |  |  |
| 5                 | 16QAM      | 12      | 13        | 21.73                 | 21.82                    | 21.72                  | 23                  | 0        |  |  |
| 5                 | 16QAM      | 25      | 0         | 21.62                 | 21.85                    | 21.60                  |                     |          |  |  |
| 5                 | 64QAM      | 1       | 0         | 21.68                 | 21.75                    | 21.54                  |                     |          |  |  |
| 5                 | 64QAM      | 1       | 12        | 21.57                 | 21.74                    | 21.72                  | 23                  | 0        |  |  |
| 5                 | 64QAM      | 1       | 24        | 21.70                 | 21.81                    | 21.69                  |                     |          |  |  |
| 5                 | 64QAM      | 12      | 0         | 20.86                 | 21.02                    | 20.81                  |                     |          |  |  |
| 5                 | 64QAM      | 12      | 7         | 20.90                 | 20.93                    | 20.90                  | 22                  | 1        |  |  |
| 5                 | 64QAM      | 12      | 13        | 20.78                 | 20.82                    | 20.79                  |                     |          |  |  |
| 5                 | 64QAM      | 25      | 0         | 20.83                 | 21.03                    | 20.84                  | 20                  | 3        |  |  |
| 5                 | 256QAM     | 1       | 0         | 18.74                 | 18.79                    | 18.63                  |                     |          |  |  |
| 5                 | 256QAM     | 1       | 12        | 18.80                 | 18.87                    | 18.82                  |                     |          |  |  |
| 5                 | 256QAM     | 1       | 24        | 18.83                 | 18.93                    | 18.85                  | 20                  | 3        |  |  |
| 5                 | 256QAM     | 12      | 0         | 18.89                 | 18.91                    | 18.88                  |                     |          |  |  |
| 5                 | 256QAM     | 12      | 7         | 18.85                 | 18.86                    | 18.83                  |                     |          |  |  |
| 5                 | 256QAM     | 12      | 13        | 18.75                 | 18.81                    | 18.87                  |                     |          |  |  |
| 5                 | 256QAM     | 25      | 0         | 18.97                 | 18.92                    | 18.94                  | 20                  | 3        |  |  |

### GSM850 Ant1 Default

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| TX Channel      | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| Frequency (MHz) | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   | 32.89                     | 32.93 | 32.87 | 34.50               | 23.89                     | 23.93 | 23.87 | 25.50               |
| GPRS 1 Tx slot  | 32.82                     | 32.89 | 32.83 | 34.50               | 23.82                     | 23.89 | 23.83 | 25.50               |
| GPRS 2 Tx slots | 29.93                     | 29.96 | 29.93 | 31.50               | 23.93                     | 23.96 | 23.93 | 25.50               |
| GPRS 3 Tx slots | 28.02                     | 28.12 | 28.06 | 30.00               | 23.76                     | 23.86 | 23.80 | 25.74               |
| GPRS 4 Tx slots | 26.61                     | 26.75 | 26.71 | 28.50               | 23.61                     | 23.75 | 23.71 | 25.50               |
| EDGE 1 Tx slot  | 26.96                     | 27.05 | 26.97 | 28.00               | 17.96                     | 18.05 | 17.97 | 19.00               |
| EDGE 2 Tx slots | 24.12                     | 24.16 | 24.08 | 25.00               | 18.12                     | 18.16 | 18.08 | 19.00               |
| EDGE 3 Tx slots | 22.16                     | 22.21 | 22.13 | 23.00               | 17.90                     | 17.95 | 17.87 | 18.74               |
| EDGE 4 Tx slots | 20.64                     | 20.78 | 20.64 | 22.00               | 17.64                     | 17.78 | 17.64 | 19.00               |

### WCDMA V Ant1 DS11

| Band            | WCDMA V |       |       | Tune-up Limit (dBm) |
|-----------------|---------|-------|-------|---------------------|
|                 | 4132    | 4182  | 4233  |                     |
| TX Channel      | 4357    | 4407  | 4458  |                     |
| RX Channel      | 4357    | 4407  | 4458  |                     |
| Frequency (MHz) | 824.2   | 836.4 | 848.8 |                     |
| 3GPP Rel 99     | 22.75   | 23.04 | 22.74 | 24.50               |
| 3GPP Rel 99     | 22.81   | 23.09 | 22.71 | 24.50               |
| 3GPP Rel 6      | 21.95   | 22.09 | 21.86 | 23.50               |
| 3GPP Rel 6      | 21.91   | 22.14 | 21.84 | 23.50               |
| 3GPP Rel 6      | 21.48   | 21.71 | 21.43 | 23.00               |
| 3GPP Rel 6      | 21.43   | 21.53 | 21.37 | 23.00               |
| 3GPP Rel 6      | 21.95   | 22.03 | 21.84 | 23.50               |
| 3GPP Rel 6      | 21.91   | 22.19 | 21.87 | 23.50               |
| 3GPP Rel 6      | 21.44   | 21.67 | 21.52 | 23.00               |
| 3GPP Rel 6      | 21.39   | 21.51 | 21.35 | 23.00               |
| 3GPP Rel 6      | 22.04   | 22.16 | 21.84 | 23.50               |
| 3GPP Rel 6      | 19.95   | 20.17 | 19.87 | 21.50               |
| 3GPP Rel 6      | 20.94   | 21.18 | 20.82 | 22.50               |
| 3GPP Rel 6      | 20.02   | 20.14 | 19.87 | 21.50               |
| 3GPP Rel 6      | 22.04   | 22.15 | 21.81 | 23.50               |
| 3GPP Rel 7      | 19.33   | 19.64 | 19.58 | 21.00               |





### GSM1900 Ant2 DS11

| GSM1900<br>TX Channel | Burst Average Power (dBm) |       |        | Tune-up<br>Limit<br>(dBm) | Frame Average Power (dBm) |       |        | Tune-up<br>Limit<br>(dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
|                       | 661                       | 810   |        |                           | 512                       | 661   | 810    |                           |
| Frequency (MHz)       | 1850.2                    | 1880  | 1909.8 |                           | 1850.2                    | 1880  | 1909.8 |                           |
| GSM 1 Tx slot         | 27.84                     | 27.88 | 27.80  | 29.50                     | 18.84                     | 18.88 | 18.80  | 20.50                     |
| GPRS 1 Tx slot        | 27.75                     | 27.81 | 27.70  | 29.50                     | 18.75                     | 18.81 | 18.70  | 20.50                     |
| GPRS 2 Tx slots       | 24.83                     | 24.99 | 24.85  | 26.50                     | 18.83                     | 18.89 | 18.85  | 20.50                     |
| GPRS 3 Tx slots       | 23.07                     | 23.12 | 23.05  | 25.00                     | 18.81                     | 18.86 | 18.79  | 20.74                     |
| GPRS 4 Tx slots       | 21.65                     | 21.76 | 21.67  | 23.50                     | 18.65                     | 18.76 | 18.67  | 20.50                     |
| EDGE 1 Tx slot        | 23.74                     | 23.84 | 23.75  | 25.00                     | 14.74                     | 14.84 | 14.75  | 16.00                     |
| EDGE 2 Tx slots       | 20.62                     | 20.66 | 20.54  | 22.00                     | 14.62                     | 14.66 | 14.54  | 16.00                     |
| EDGE 3 Tx slots       | 18.57                     | 18.67 | 18.62  | 20.00                     | 14.31                     | 14.41 | 14.36  | 15.74                     |
| EDGE 4 Tx slots       | 17.18                     | 17.22 | 17.08  | 18.50                     | 14.18                     | 14.22 | 14.08  | 15.50                     |

### WCDMA II Ant2 DS11

### WCDMA IV Ant2 DS11

| Band                               | WCDMA II |       |        | Tune-up<br>Limit<br>(dBm) | WCDMA IV |        |        | Tune-up<br>Limit<br>(dBm) |
|------------------------------------|----------|-------|--------|---------------------------|----------|--------|--------|---------------------------|
|                                    | 9262     | 9400  | 9538   |                           | 1312     | 1413   | 1513   |                           |
| TX Channel                         | 9662     | 9800  | 9938   |                           | 1537     | 1638   | 1738   |                           |
| Frequency (MHz)                    | 1652.4   | 1680  | 1697.2 |                           | 1722.4   | 1823.5 | 1923.5 |                           |
| 3GPP Rel 99 RMC 12.2Kbps           | 18.74    | 19.74 | 19.72  | 21.50                     | 18.83    | 19.09  | 19.10  | 20.50                     |
| 3GPP Rel 99 RMC 12.2Kbps           | 19.80    | 19.92 | 19.70  | 21.50                     | 18.91    | 19.28  | 19.10  | 20.50                     |
| 3GPP Rel 6 HSDPA Subtest-1         | 18.85    | 18.77 | 18.73  | 20.50                     | 17.99    | 18.19  | 17.96  | 19.50                     |
| 3GPP Rel 6 HSDPA Subtest-2         | 18.87    | 18.79 | 18.67  | 20.50                     | 18.03    | 18.30  | 17.89  | 19.50                     |
| 3GPP Rel 6 HSDPA Subtest-3         | 18.33    | 18.45 | 18.26  | 20.00                     | 17.62    | 17.76  | 17.43  | 19.00                     |
| 3GPP Rel 6 HSDPA Subtest-4         | 18.33    | 18.36 | 18.12  | 20.00                     | 17.51    | 17.70  | 17.36  | 19.00                     |
| 3GPP Rel 8 DC-HSDPA Subtest-1      | 18.79    | 18.82 | 18.66  | 20.50                     | 18.03    | 18.18  | 17.98  | 19.50                     |
| 3GPP Rel 8 DC-HSDPA Subtest-2      | 18.79    | 18.81 | 18.67  | 20.50                     | 18.04    | 18.22  | 17.87  | 19.50                     |
| 3GPP Rel 8 DC-HSDPA Subtest-3      | 18.34    | 18.37 | 18.22  | 20.00                     | 17.54    | 17.66  | 17.55  | 19.00                     |
| 3GPP Rel 8 DC-HSDPA Subtest-4      | 18.32    | 18.35 | 18.09  | 20.00                     | 17.50    | 17.73  | 17.30  | 19.00                     |
| 3GPP Rel 6 HSUPA Subtest-1         | 18.75    | 18.83 | 18.64  | 20.50                     | 18.08    | 18.18  | 17.96  | 19.50                     |
| 3GPP Rel 6 HSUPA Subtest-2         | 18.78    | 18.79 | 18.66  | 18.50                     | 16.04    | 16.16  | 15.89  | 17.50                     |
| 3GPP Rel 6 HSUPA Subtest-3         | 17.81    | 17.80 | 17.68  | 19.50                     | 17.14    | 17.15  | 16.95  | 18.50                     |
| 3GPP Rel 6 HSUPA Subtest-4         | 16.82    | 16.77 | 16.74  | 18.50                     | 16.10    | 16.19  | 15.99  | 17.50                     |
| 3GPP Rel 6 HSUPA Subtest-5         | 18.79    | 18.84 | 18.72  | 20.50                     | 18.11    | 18.19  | 17.98  | 19.50                     |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 16.25    | 16.35 | 16.32  | 18.00                     | 15.64    | 15.67  | 15.48  | 17.00                     |





| Band 4 Ant5 DSI1 |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
|------------------|-----------------|----------|------------|---------------------------|------------------------------|----------------------------|-----------------------|-------------|--|--|--|--|
| BW (MHz)         | Modulation<br>n | RIS Size | RIS Offset | Power<br>Low<br>Ch / Freq | Power<br>Middle<br>Ch / Freq | Power<br>High<br>Ch / Freq | Turn-up time<br>(min) | MPR<br>(dB) |  |  |  |  |
| Channel          |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| Frequency (MHz)  |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| 20               | QPSK            | 1        | 0          | 19.48                     | 19.57                        | 19.59                      |                       |             |  |  |  |  |
| 20               | QPSK            | 1        | 49         | 19.52                     | 19.55                        | 19.52                      | 21                    | 0           |  |  |  |  |
| 20               | QPSK            | 1        | 99         | 19.36                     | 19.51                        | 19.45                      |                       |             |  |  |  |  |
| 20               | QPSK            | 50       | 0          | 19.34                     | 19.52                        | 19.34                      |                       |             |  |  |  |  |
| 20               | QPSK            | 50       | 24         | 19.43                     | 19.44                        | 19.44                      | 21                    | 0           |  |  |  |  |
| 20               | QPSK            | 50       | 50         | 19.34                     | 19.46                        | 19.34                      |                       |             |  |  |  |  |
| 20               | QPSK            | 100      | 0          | 19.34                     | 19.47                        | 19.35                      |                       |             |  |  |  |  |
| 20               | 16QAM           | 1        | 0          | 19.42                     | 19.55                        | 19.48                      |                       |             |  |  |  |  |
| 20               | 16QAM           | 1        | 49         | 19.47                     | 19.51                        | 19.47                      | 21                    | 0           |  |  |  |  |
| 20               | 16QAM           | 1        | 99         | 19.35                     | 19.46                        | 19.42                      |                       |             |  |  |  |  |
| 20               | 16QAM           | 50       | 0          | 19.33                     | 19.48                        | 19.33                      |                       |             |  |  |  |  |
| 20               | 16QAM           | 50       | 24         | 19.42                     | 19.39                        | 19.42                      |                       |             |  |  |  |  |
| 20               | 16QAM           | 50       | 50         | 19.32                     | 19.46                        | 19.35                      | 21                    | 0           |  |  |  |  |
| 20               | 16QAM           | 100      | 0          | 19.26                     | 19.43                        | 19.26                      |                       |             |  |  |  |  |
| 20               | 64QAM           | 1        | 0          | 19.41                     | 19.54                        | 19.43                      |                       |             |  |  |  |  |
| 20               | 64QAM           | 1        | 49         | 19.50                     | 19.48                        | 19.51                      | 21                    | 0           |  |  |  |  |
| 20               | 64QAM           | 1        | 99         | 19.34                     | 19.44                        | 19.43                      |                       |             |  |  |  |  |
| 20               | 64QAM           | 50       | 0          | 19.26                     | 19.52                        | 19.26                      |                       |             |  |  |  |  |
| 20               | 64QAM           | 50       | 24         | 19.40                     | 19.43                        | 19.41                      | 21                    | 0           |  |  |  |  |
| 20               | 64QAM           | 50       | 50         | 19.27                     | 19.45                        | 19.32                      |                       |             |  |  |  |  |
| 20               | 64QAM           | 100      | 0          | 19.32                     | 19.40                        | 19.26                      |                       |             |  |  |  |  |
| 20               | 256QAM          | 1        | 0          | 17.45                     | 17.47                        | 17.45                      |                       |             |  |  |  |  |
| 20               | 256QAM          | 1        | 49         | 17.43                     | 17.62                        | 17.62                      | 19                    | 2           |  |  |  |  |
| 20               | 256QAM          | 1        | 99         | 17.59                     | 17.59                        | 17.59                      |                       |             |  |  |  |  |
| 20               | 256QAM          | 50       | 0          | 17.42                     | 17.54                        | 17.45                      |                       |             |  |  |  |  |
| 20               | 256QAM          | 50       | 24         | 17.59                     | 17.72                        | 17.59                      | 19                    | 2           |  |  |  |  |
| 20               | 256QAM          | 50       | 50         | 17.55                     | 17.63                        | 17.48                      |                       |             |  |  |  |  |
| 20               | 256QAM          | 100      | 0          | 17.49                     | 17.62                        | 17.41                      |                       |             |  |  |  |  |
| Channel          |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| Frequency (MHz)  |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| 15               | QPSK            | 1        | 0          | 19.28                     | 19.44                        | 19.42                      |                       |             |  |  |  |  |
| 15               | QPSK            | 1        | 37         | 19.44                     | 19.48                        | 19.46                      | 21                    | 0           |  |  |  |  |
| 15               | QPSK            | 1        | 74         | 19.30                     | 19.45                        | 19.37                      |                       |             |  |  |  |  |
| 15               | QPSK            | 36       | 0          | 19.25                     | 19.48                        | 19.26                      |                       |             |  |  |  |  |
| 15               | QPSK            | 36       | 39         | 19.29                     | 19.33                        | 19.35                      | 21                    | 0           |  |  |  |  |
| 15               | QPSK            | 36       | 39         | 19.23                     | 19.35                        | 19.33                      |                       |             |  |  |  |  |
| 15               | QPSK            | 75       | 0          | 19.24                     | 19.39                        | 19.24                      |                       |             |  |  |  |  |
| 15               | 16QAM           | 1        | 0          | 19.38                     | 19.43                        | 19.37                      |                       |             |  |  |  |  |
| 15               | 16QAM           | 1        | 37         | 19.41                     | 19.37                        | 19.32                      | 21                    | 0           |  |  |  |  |
| 15               | 16QAM           | 1        | 74         | 19.27                     | 19.34                        | 19.33                      |                       |             |  |  |  |  |
| 15               | 16QAM           | 36       | 0          | 19.18                     | 19.37                        | 19.27                      |                       |             |  |  |  |  |
| 15               | 16QAM           | 36       | 20         | 19.29                     | 19.26                        | 19.26                      | 21                    | 0           |  |  |  |  |
| 15               | 16QAM           | 36       | 39         | 19.21                     | 19.41                        | 19.29                      |                       |             |  |  |  |  |
| 15               | 16QAM           | 75       | 0          | 19.22                     | 19.36                        | 19.25                      |                       |             |  |  |  |  |
| 15               | 64QAM           | 1        | 0          | 19.38                     | 19.46                        | 19.40                      |                       |             |  |  |  |  |
| 15               | 64QAM           | 1        | 37         | 19.40                     | 19.44                        | 19.42                      | 21                    | 0           |  |  |  |  |
| 15               | 64QAM           | 1        | 74         | 19.31                     | 19.39                        | 19.37                      |                       |             |  |  |  |  |
| 15               | 64QAM           | 36       | 0          | 19.15                     | 19.44                        | 19.15                      |                       |             |  |  |  |  |
| 15               | 64QAM           | 36       | 20         | 19.32                     | 19.36                        | 19.27                      | 21                    | 0           |  |  |  |  |
| 15               | 64QAM           | 36       | 39         | 19.15                     | 19.34                        | 19.21                      |                       |             |  |  |  |  |
| 15               | 64QAM           | 75       | 0          | 19.20                     | 19.26                        | 19.17                      |                       |             |  |  |  |  |
| 15               | 256QAM          | 1        | 0          | 17.37                     | 17.33                        | 17.57                      | 19                    | 2           |  |  |  |  |
| 15               | 256QAM          | 1        | 37         | 17.34                     | 17.48                        | 17.53                      |                       |             |  |  |  |  |
| 15               | 256QAM          | 1        | 74         | 17.46                     | 17.43                        | 17.48                      |                       |             |  |  |  |  |
| 15               | 256QAM          | 36       | 0          | 17.30                     | 17.42                        | 17.33                      | 19                    | 2           |  |  |  |  |
| 15               | 256QAM          | 36       | 20         | 17.46                     | 17.65                        | 17.41                      |                       |             |  |  |  |  |
| 15               | 256QAM          | 36       | 39         | 17.44                     | 17.53                        | 17.35                      |                       |             |  |  |  |  |
| 15               | 256QAM          | 75       | 0          | 17.41                     | 17.55                        | 17.40                      |                       |             |  |  |  |  |
| Channel          |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| Frequency (MHz)  |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| 10               | QPSK            | 1        | 0          | 19.38                     | 19.44                        | 19.46                      |                       |             |  |  |  |  |
| 10               | QPSK            | 1        | 25         | 19.38                     | 19.48                        | 19.43                      | 21                    | 0           |  |  |  |  |
| 10               | QPSK            | 1        | 49         | 19.30                     | 19.45                        | 19.35                      |                       |             |  |  |  |  |
| 10               | QPSK            | 25       | 0          | 19.26                     | 19.44                        | 19.26                      |                       |             |  |  |  |  |
| 10               | QPSK            | 25       | 12         | 19.30                     | 19.31                        | 19.29                      | 21                    | 0           |  |  |  |  |
| 10               | QPSK            | 25       | 37         | 19.21                     | 19.37                        | 19.31                      |                       |             |  |  |  |  |
| 10               | QPSK            | 50       | 0          | 19.25                     | 19.38                        | 19.21                      |                       |             |  |  |  |  |
| 10               | 16QAM           | 1        | 0          | 19.29                     | 19.44                        | 19.36                      |                       |             |  |  |  |  |
| 10               | 16QAM           | 1        | 25         | 19.41                     | 19.44                        | 19.33                      | 21                    | 0           |  |  |  |  |
| 10               | 16QAM           | 1        | 49         | 19.23                     | 19.37                        | 19.33                      |                       |             |  |  |  |  |
| 10               | 16QAM           | 25       | 0          | 19.20                     | 19.36                        | 19.29                      |                       |             |  |  |  |  |
| 10               | 16QAM           | 25       | 12         | 19.36                     | 19.24                        | 19.24                      | 21                    | 0           |  |  |  |  |
| 10               | 16QAM           | 25       | 25         | 19.19                     | 19.40                        | 19.25                      |                       |             |  |  |  |  |
| 10               | 16QAM           | 50       | 0          | 19.17                     | 19.30                        | 19.19                      |                       |             |  |  |  |  |
| 10               | 64QAM           | 1        | 0          | 19.26                     | 19.41                        | 19.26                      |                       |             |  |  |  |  |
| 10               | 64QAM           | 1        | 25         | 19.41                     | 19.37                        | 19.41                      | 21                    | 0           |  |  |  |  |
| 10               | 64QAM           | 1        | 49         | 19.21                     | 19.33                        | 19.38                      |                       |             |  |  |  |  |
| 10               | 64QAM           | 25       | 0          | 19.21                     | 19.47                        | 19.21                      |                       |             |  |  |  |  |
| 10               | 64QAM           | 25       | 12         | 19.35                     | 19.36                        | 19.27                      | 21                    | 0           |  |  |  |  |
| 10               | 64QAM           | 25       | 25         | 19.14                     | 19.31                        | 19.19                      |                       |             |  |  |  |  |
| 10               | 64QAM           | 50       | 0          | 19.18                     | 19.36                        | 19.25                      |                       |             |  |  |  |  |
| 10               | 256QAM          | 1        | 0          | 17.40                     | 17.37                        | 17.54                      |                       |             |  |  |  |  |
| 10               | 256QAM          | 1        | 25         | 17.32                     | 17.59                        | 17.54                      | 19                    | 2           |  |  |  |  |
| 10               | 256QAM          | 1        | 49         | 17.54                     | 17.48                        | 17.47                      |                       |             |  |  |  |  |
| 10               | 256QAM          | 25       | 0          | 17.34                     | 17.49                        | 17.36                      |                       |             |  |  |  |  |
| 10               | 256QAM          | 25       | 12         | 17.52                     | 17.68                        | 17.46                      | 19                    | 2           |  |  |  |  |
| 10               | 256QAM          | 25       | 25         | 17.45                     | 17.55                        | 17.36                      |                       |             |  |  |  |  |
| 10               | 256QAM          | 50       | 0          | 17.41                     | 17.57                        | 17.31                      |                       |             |  |  |  |  |
| Channel          |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| Frequency (MHz)  |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| 5                | QPSK            | 1        | 0          | 19.27                     | 19.44                        | 19.35                      |                       |             |  |  |  |  |
| 5                | QPSK            | 1        | 12         | 19.46                     | 19.50                        | 19.46                      | 21                    | 0           |  |  |  |  |
| 5                | QPSK            | 1        | 24         | 19.22                     | 19.44                        | 19.33                      |                       |             |  |  |  |  |
| 5                | QPSK            | 12       | 0          | 19.22                     | 19.41                        | 19.26                      |                       |             |  |  |  |  |
| 5                | QPSK            | 12       | 7          | 19.28                     | 19.36                        | 19.31                      | 21                    | 0           |  |  |  |  |
| 5                | QPSK            | 12       | 13         | 19.30                     | 19.36                        | 19.27                      |                       |             |  |  |  |  |
| 5                | QPSK            | 25       | 0          | 19.23                     | 19.34                        | 19.27                      |                       |             |  |  |  |  |
| 5                | 16QAM           | 1        | 0          | 19.28                     | 19.51                        | 19.33                      |                       |             |  |  |  |  |
| 5                | 16QAM           | 1        | 12         | 19.33                     | 19.41                        | 19.39                      | 21                    | 0           |  |  |  |  |
| 5                | 16QAM           | 1        | 24         | 19.29                     | 19.40                        | 19.34                      |                       |             |  |  |  |  |
| 5                | 16QAM           | 12       | 0          | 19.25                     | 19.38                        | 19.25                      |                       |             |  |  |  |  |
| 5                | 16QAM           | 12       | 7          | 19.35                     | 19.35                        | 19.36                      | 21                    | 0           |  |  |  |  |
| 5                | 16QAM           | 12       | 13         | 19.22                     | 19.36                        | 19.25                      |                       |             |  |  |  |  |
| 5                | 16QAM           | 25       | 0          | 19.12                     | 19.40                        | 19.12                      |                       |             |  |  |  |  |
| 5                | 64QAM           | 1        | 0          | 19.33                     | 19.46                        | 19.47                      |                       |             |  |  |  |  |
| 5                | 64QAM           | 1        | 12         | 19.38                     | 19.37                        | 19.39                      | 21                    | 0           |  |  |  |  |
| 5                | 64QAM           | 1        | 24         | 19.22                     | 19.38                        | 19.27                      |                       |             |  |  |  |  |
| 5                | 64QAM           | 12       | 0          | 19.24                     | 19.44                        | 19.16                      |                       |             |  |  |  |  |
| 5                | 64QAM           | 12       | 7          | 19.35                     | 19.32                        | 19.34                      | 21                    | 0           |  |  |  |  |
| 5                | 64QAM           | 12       | 13         | 19.15                     | 19.34                        | 19.21                      |                       |             |  |  |  |  |
| 5                | 64QAM           | 25       | 0          | 19.19                     | 19.29                        | 19.15                      |                       |             |  |  |  |  |
| 5                | 256QAM          | 1        | 0          | 17.38                     | 17.35                        | 17.47                      |                       |             |  |  |  |  |
| 5                | 256QAM          | 1        | 12         | 17.30                     | 17.52                        | 17.47                      | 19                    | 2           |  |  |  |  |
| 5                | 256QAM          | 1        | 24         | 17.51                     | 17.41                        | 17.45                      |                       |             |  |  |  |  |
| 5                | 256QAM          | 12       | 0          | 17.35                     | 17.41                        | 17.39                      |                       |             |  |  |  |  |
| 5                | 256QAM          | 12       | 7          | 17.45                     | 17.61                        | 17.36                      | 19                    | 2           |  |  |  |  |
| 5                | 256QAM          | 12       | 13         | 17.50                     | 17.52                        | 17.35                      |                       |             |  |  |  |  |
| 5                | 256QAM          | 25       | 0          | 17.34                     | 17.49                        | 17.43                      |                       |             |  |  |  |  |
| Channel          |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| Frequency (MHz)  |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |
| 3                | QPSK            | 1        | 0          | 19.40                     | 19.42                        | 19.46                      |                       |             |  |  |  |  |
| 3                | QPSK            | 1        | 8          | 19.38                     | 19.45                        | 19.44                      | 21                    | 0           |  |  |  |  |
| 3                | QPSK            | 1        | 14         | 19.26                     | 19.40                        | 19.33                      |                       |             |  |  |  |  |
| 3                | QPSK            | 8        | 0          | 19.31                     | 19.40                        | 19.29                      |                       |             |  |  |  |  |
| 3                | QPSK            | 8        | 4          | 19.36                     | 19.34                        | 19.40                      | 21                    | 0           |  |  |  |  |
| 3                | QPSK            | 8        | 7          | 19.14                     | 19.42                        | 19.12                      |                       |             |  |  |  |  |
| 3                | QPSK            | 15       | 0          | 19.26                     | 19.39                        | 19.19                      |                       |             |  |  |  |  |
| 3                | 16QAM           | 1        | 0          | 19.38                     | 19.49                        | 19.39                      |                       |             |  |  |  |  |
| 3                | 16QAM           | 1        | 8          | 19.38                     | 19.44                        | 19.43                      | 21                    | 0           |  |  |  |  |
| 3                | 16QAM           | 1        | 14         | 19.23                     | 19.41                        | 19.34                      |                       |             |  |  |  |  |
| 3                | 16QAM           | 8        | 0          | 19.19                     | 19.42                        | 19.23                      |                       |             |  |  |  |  |
| 3                | 16QAM           | 8        | 4          | 19.27                     | 19.33                        | 19.26                      | 21                    | 0           |  |  |  |  |
| 3                | 16QAM           | 8        | 7          | 19.26                     | 19.33                        | 19.25                      |                       |             |  |  |  |  |
| 3                | 16QAM           | 15       | 0          | 19.14                     | 19.37                        | 19.17                      |                       |             |  |  |  |  |
| 3                | 64QAM           | 1        | 0          | 19.38                     | 19.48                        | 19.46                      |                       |             |  |  |  |  |
| 3                | 64QAM           | 1        | 8          | 19.40                     | 19.44                        | 19.45                      | 21                    | 0           |  |  |  |  |
| 3                | 64QAM           | 1        | 14         | 19.21                     | 19.37                        | 19.29                      |                       |             |  |  |  |  |
| 3                | 64QAM           | 8        | 0          | 19.22                     | 19.40                        | 19.25                      |                       |             |  |  |  |  |
| 3                | 64QAM           | 8        | 4          | 19.26                     | 19.30                        | 19.33                      | 21                    | 0           |  |  |  |  |
| 3                | 64QAM           | 8        | 7          | 19.16                     | 19.33                        | 19.21                      |                       |             |  |  |  |  |
| 3                | 64QAM           | 15       | 0          | 19.23                     | 19.37                        | 19.17                      |                       |             |  |  |  |  |
| 3                | 256QAM          | 1        | 0          | 17.38                     | 17.40                        | 17.45                      |                       |             |  |  |  |  |
| 3                | 256QAM          | 1        | 8          | 17.40                     | 17.52                        | 17.50                      | 19                    | 2           |  |  |  |  |
| 3                | 256QAM          | 1        | 14         | 17.52                     | 17.49                        | 17.44                      |                       |             |  |  |  |  |
| 3                | 256QAM          | 8        | 0          | 17.34                     | 17.39                        | 17.37                      |                       |             |  |  |  |  |
| 3                | 256QAM          | 8        | 4          | 17.51                     | 17.66                        | 17.51                      | 19                    | 2           |  |  |  |  |
| 3                |                 |          |            |                           |                              |                            |                       |             |  |  |  |  |

| Band 38 Ant5 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz)   |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20                | QPSK       | 1       | 0         | 20.79                 | 20.90                    | 20.79                  | 22                  | 0        |  |
| 20                | QPSK       | 1       | 49        | 20.76                 | 20.70                    | 20.78                  |                     |          |  |
| 20                | QPSK       | 1       | 99        | 20.67                 | 20.57                    | 20.68                  |                     |          |  |
| 20                | QPSK       | 50      | 0         | 20.72                 | 20.73                    | 20.72                  | 22                  | 0        |  |
| 20                | QPSK       | 50      | 24        | 20.58                 | 20.70                    | 20.61                  |                     |          |  |
| 20                | QPSK       | 50      | 50        | 20.46                 | 20.42                    | 20.53                  |                     |          |  |
| 20                | QPSK       | 100     | 0         | 20.64                 | 20.76                    | 20.61                  | 22                  | 0        |  |
| 20                | 16QAM      | 1       | 0         | 20.54                 | 20.55                    | 20.75                  |                     |          |  |
| 20                | 16QAM      | 1       | 49        | 20.52                 | 20.49                    | 20.51                  |                     |          |  |
| 20                | 16QAM      | 1       | 99        | 20.82                 | 20.63                    | 20.67                  | 22                  | 0        |  |
| 20                | 16QAM      | 50      | 0         | 20.66                 | 20.66                    | 20.61                  |                     |          |  |
| 20                | 16QAM      | 50      | 24        | 20.53                 | 20.54                    | 20.49                  |                     |          |  |
| 20                | 16QAM      | 50      | 50        | 20.83                 | 20.73                    | 20.69                  | 22                  | 0        |  |
| 20                | 16QAM      | 100     | 0         | 20.53                 | 20.73                    | 20.75                  |                     |          |  |
| 20                | 64QAM      | 1       | 0         | 20.74                 | 20.78                    | 20.71                  |                     |          |  |
| 20                | 64QAM      | 1       | 49        | 20.55                 | 20.70                    | 20.68                  | 22                  | 0        |  |
| 20                | 64QAM      | 1       | 99        | 20.51                 | 20.66                    | 20.56                  |                     |          |  |
| 20                | 64QAM      | 50      | 0         | 19.93                 | 19.85                    | 19.86                  |                     |          |  |
| 20                | 64QAM      | 50      | 24        | 19.91                 | 19.79                    | 19.88                  | 21                  | 1        |  |
| 20                | 64QAM      | 50      | 50        | 19.63                 | 19.80                    | 19.71                  |                     |          |  |
| 20                | 64QAM      | 100     | 0         | 19.65                 | 19.74                    | 19.71                  |                     |          |  |
| 20                | 256QAM     | 1       | 0         | 17.83                 | 17.79                    | 17.80                  | 19                  | 3        |  |
| 20                | 256QAM     | 1       | 49        | 17.73                 | 17.77                    | 17.81                  |                     |          |  |
| 20                | 256QAM     | 1       | 99        | 17.55                 | 17.58                    | 17.66                  |                     |          |  |
| 20                | 256QAM     | 50      | 0         | 17.96                 | 17.91                    | 17.90                  | 19                  | 3        |  |
| 20                | 256QAM     | 50      | 24        | 17.97                 | 17.69                    | 17.90                  |                     |          |  |
| 20                | 256QAM     | 50      | 50        | 17.66                 | 17.83                    | 17.73                  |                     |          |  |
| 20                | 256QAM     | 100     | 0         | 17.46                 | 17.61                    | 17.58                  |                     |          |  |
| Channel           |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 15                | QPSK       | 1       | 0         | 20.83                 | 20.61                    | 20.61                  | 22                  | 0        |  |
| 15                | QPSK       | 1       | 37        | 20.60                 | 20.59                    | 20.68                  |                     |          |  |
| 15                | QPSK       | 1       | 74        | 20.36                 | 20.66                    | 20.59                  |                     |          |  |
| 15                | QPSK       | 36      | 0         | 20.60                 | 20.60                    | 20.51                  | 22                  | 0        |  |
| 15                | QPSK       | 36      | 20        | 20.71                 | 20.56                    | 20.49                  |                     |          |  |
| 15                | QPSK       | 36      | 39        | 20.32                 | 20.25                    | 20.45                  |                     |          |  |
| 15                | QPSK       | 75      | 0         | 20.76                 | 20.49                    | 20.47                  | 22                  | 0        |  |
| 15                | 16QAM      | 1       | 0         | 20.40                 | 20.35                    | 20.64                  |                     |          |  |
| 15                | 16QAM      | 1       | 37        | 20.37                 | 20.34                    | 20.33                  |                     |          |  |
| 15                | 16QAM      | 1       | 74        | 20.80                 | 20.44                    | 20.65                  | 22                  | 0        |  |
| 15                | 16QAM      | 36      | 0         | 20.65                 | 20.66                    | 20.59                  |                     |          |  |
| 15                | 16QAM      | 36      | 20        | 20.45                 | 20.39                    | 20.42                  |                     |          |  |
| 15                | 16QAM      | 36      | 39        | 20.82                 | 20.55                    | 20.67                  | 22                  | 0        |  |
| 15                | 16QAM      | 75      | 0         | 20.52                 | 20.74                    | 20.54                  |                     |          |  |
| 15                | 64QAM      | 1       | 0         | 20.61                 | 20.61                    | 20.65                  |                     |          |  |
| 15                | 64QAM      | 1       | 37        | 20.37                 | 20.59                    | 20.67                  | 22                  | 0        |  |
| 15                | 64QAM      | 1       | 74        | 20.29                 | 20.60                    | 20.44                  |                     |          |  |
| 15                | 64QAM      | 36      | 0         | 19.81                 | 19.66                    | 19.85                  |                     |          |  |
| 15                | 64QAM      | 36      | 20        | 19.70                 | 19.61                    | 19.74                  | 21                  | 1        |  |
| 15                | 64QAM      | 36      | 39        | 19.56                 | 19.60                    | 19.65                  |                     |          |  |
| 15                | 64QAM      | 75      | 0         | 19.51                 | 19.62                    | 19.50                  |                     |          |  |
| 15                | 256QAM     | 1       | 0         | 17.73                 | 17.75                    | 17.80                  | 19                  | 3        |  |
| 15                | 256QAM     | 1       | 37        | 17.58                 | 17.58                    | 17.62                  |                     |          |  |
| 15                | 256QAM     | 1       | 74        | 17.36                 | 17.54                    | 17.52                  |                     |          |  |
| 15                | 256QAM     | 36      | 0         | 17.82                 | 17.74                    | 17.70                  | 19                  | 3        |  |
| 15                | 256QAM     | 36      | 20        | 17.96                 | 17.59                    | 17.80                  |                     |          |  |
| 15                | 256QAM     | 36      | 39        | 17.53                 | 17.65                    | 17.62                  |                     |          |  |
| 15                | 256QAM     | 75      | 0         | 17.42                 | 17.59                    | 17.56                  |                     |          |  |
| Channel           |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                | QPSK       | 1       | 0         | 20.77                 | 20.59                    | 20.79                  | 22                  | 0        |  |
| 10                | QPSK       | 1       | 25        | 20.59                 | 20.55                    | 20.72                  |                     |          |  |
| 10                | QPSK       | 1       | 49        | 20.39                 | 20.66                    | 20.52                  |                     |          |  |
| 10                | QPSK       | 25      | 0         | 20.67                 | 20.51                    | 20.59                  | 22                  | 0        |  |
| 10                | QPSK       | 25      | 12        | 20.71                 | 20.37                    | 20.51                  |                     |          |  |
| 10                | QPSK       | 25      | 25        | 20.36                 | 20.39                    | 20.54                  |                     |          |  |
| 10                | QPSK       | 50      | 0         | 20.61                 | 20.65                    | 20.47                  | 22                  | 0        |  |
| 10                | 16QAM      | 1       | 0         | 20.51                 | 20.33                    | 20.61                  |                     |          |  |
| 10                | 16QAM      | 1       | 25        | 20.43                 | 20.34                    | 20.48                  |                     |          |  |
| 10                | 16QAM      | 1       | 49        | 20.75                 | 20.49                    | 20.59                  | 22                  | 0        |  |
| 10                | 16QAM      | 25      | 0         | 20.52                 | 20.63                    | 20.52                  |                     |          |  |
| 10                | 16QAM      | 25      | 12        | 20.48                 | 20.54                    | 20.50                  |                     |          |  |
| 10                | 16QAM      | 25      | 25        | 20.62                 | 20.61                    | 20.63                  | 22                  | 0        |  |
| 10                | 16QAM      | 50      | 0         | 20.44                 | 20.55                    | 20.63                  |                     |          |  |
| 10                | 64QAM      | 1       | 0         | 20.67                 | 20.75                    | 20.52                  |                     |          |  |
| 10                | 64QAM      | 1       | 25        | 20.37                 | 20.59                    | 20.53                  | 22                  | 0        |  |
| 10                | 64QAM      | 1       | 49        | 20.46                 | 20.58                    | 20.45                  |                     |          |  |
| 10                | 64QAM      | 25      | 0         | 19.75                 | 19.81                    | 19.70                  |                     |          |  |
| 10                | 64QAM      | 25      | 12        | 19.91                 | 19.64                    | 19.89                  | 21                  | 1        |  |
| 10                | 64QAM      | 25      | 25        | 19.63                 | 19.66                    | 19.72                  |                     |          |  |
| 10                | 64QAM      | 50      | 0         | 19.64                 | 19.66                    | 19.52                  |                     |          |  |
| 10                | 256QAM     | 1       | 0         | 17.64                 | 17.78                    | 17.77                  | 19                  | 3        |  |
| 10                | 256QAM     | 1       | 25        | 17.54                 | 17.79                    | 17.64                  |                     |          |  |
| 10                | 256QAM     | 1       | 49        | 17.34                 | 17.54                    | 17.48                  |                     |          |  |
| 10                | 256QAM     | 25      | 0         | 17.83                 | 17.76                    | 17.89                  | 19                  | 3        |  |
| 10                | 256QAM     | 25      | 12        | 17.91                 | 17.69                    | 17.83                  |                     |          |  |
| 10                | 256QAM     | 25      | 25        | 17.59                 | 17.79                    | 17.67                  |                     |          |  |
| 10                | 256QAM     | 50      | 0         | 17.45                 | 17.45                    | 17.60                  |                     |          |  |
| Channel           |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                 | QPSK       | 1       | 0         | 20.75                 | 20.73                    | 20.67                  | 22                  | 0        |  |
| 5                 | QPSK       | 1       | 12        | 20.54                 | 20.68                    | 20.57                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 20.54                 | 20.65                    | 20.51                  |                     |          |  |
| 5                 | QPSK       | 12      | 0         | 20.65                 | 20.57                    | 20.65                  | 22                  | 0        |  |
| 5                 | QPSK       | 12      | 7         | 20.51                 | 20.47                    | 20.43                  |                     |          |  |
| 5                 | QPSK       | 12      | 13        | 20.35                 | 20.46                    | 20.35                  |                     |          |  |
| 5                 | QPSK       | 25      | 0         | 20.56                 | 20.60                    | 20.60                  | 22                  | 0        |  |
| 5                 | 16QAM      | 1       | 0         | 20.49                 | 20.41                    | 20.64                  |                     |          |  |
| 5                 | 16QAM      | 1       | 12        | 20.39                 | 20.33                    | 20.32                  |                     |          |  |
| 5                 | 16QAM      | 1       | 24        | 20.63                 | 20.53                    | 20.68                  | 22                  | 0        |  |
| 5                 | 16QAM      | 12      | 0         | 20.65                 | 20.47                    | 20.47                  |                     |          |  |
| 5                 | 16QAM      | 12      | 7         | 20.42                 | 20.50                    | 20.51                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 20.67                 | 20.61                    | 20.67                  | 22                  | 0        |  |
| 5                 | 16QAM      | 25      | 0         | 20.37                 | 20.54                    | 20.69                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 20.69                 | 20.78                    | 20.67                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 20.41                 | 20.71                    | 20.59                  | 22                  | 0        |  |
| 5                 | 64QAM      | 1       | 24        | 20.43                 | 20.45                    | 20.40                  |                     |          |  |
| 5                 | 64QAM      | 12      | 0         | 19.90                 | 19.74                    | 19.87                  |                     |          |  |
| 5                 | 64QAM      | 12      | 7         | 19.73                 | 19.66                    | 19.90                  | 21                  | 1        |  |
| 5                 | 64QAM      | 12      | 13        | 19.50                 | 19.78                    | 19.71                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 19.62                 | 19.53                    | 19.72                  |                     |          |  |
| 5                 | 256QAM     | 1       | 0         | 17.72                 | 17.70                    | 17.69                  | 19                  | 3        |  |
| 5                 | 256QAM     | 1       | 12        | 17.64                 | 17.75                    | 17.76                  |                     |          |  |
| 5                 | 256QAM     | 1       | 24        | 17.51                 | 17.64                    | 17.61                  |                     |          |  |
| 5                 | 256QAM     | 12      | 0         | 17.94                 | 17.75                    | 17.82                  | 19                  | 3        |  |
| 5                 | 256QAM     | 12      | 7         | 17.92                 | 17.54                    | 17.78                  |                     |          |  |
| 5                 | 256QAM     | 12      | 13        | 17.54                 | 17.76                    | 17.64                  |                     |          |  |
| 5                 | 256QAM     | 25      | 0         | 17.26                 | 17.48                    | 17.56                  |                     |          |  |

## Reduced Power Mode for DSI 3\_Main PA

|                 |                         | GSM850 Ant0 Default       |       |        |                     |                           |        |                       |                     |                      |       |       |       |
|-----------------|-------------------------|---------------------------|-------|--------|---------------------|---------------------------|--------|-----------------------|---------------------|----------------------|-------|-------|-------|
|                 |                         | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame Average Power (dBm) |        |                       | Tune-up Limit (dBm) |                      |       |       |       |
| TX Channel      |                         | 128                       | 189   | 251    |                     | 128                       | 189    | 251                   |                     |                      |       |       |       |
| Frequency (MHz) |                         | 824.2                     | 836.4 | 848.8  | 824.2               | 836.4                     | 848.8  |                       |                     |                      |       |       |       |
| GSM 1 Tx slot   |                         | 33.15                     | 33.18 | 33.08  | 34.00               | 24.15                     | 24.18  | 24.08                 | 25.00               |                      |       |       |       |
| GPRS 1 Tx slot  |                         | 33.10                     | 33.15 | 33.02  | 34.00               | 24.10                     | 24.15  | 24.02                 | 25.00               |                      |       |       |       |
| GPRS 2 Tx slots |                         | 30.10                     | 30.17 | 30.09  | 31.00               | 24.10                     | 24.17  | 24.09                 | 25.00               |                      |       |       |       |
| GPRS 3 Tx slots |                         | 28.26                     | 28.34 | 28.28  | 29.50               | 24.00                     | 24.08  | 24.02                 | 25.24               |                      |       |       |       |
| GPRS 4 Tx slots |                         | 26.80                     | 26.91 | 26.85  | 28.00               | 23.80                     | 23.91  | 23.85                 | 25.00               |                      |       |       |       |
| EDGE 1 Tx slot  |                         | 27.13                     | 27.18 | 27.09  | 27.50               | 18.13                     | 18.18  | 18.09                 | 18.50               |                      |       |       |       |
| EDGE 2 Tx slots |                         | 24.21                     | 24.28 | 24.24  | 24.50               | 18.21                     | 18.29  | 18.24                 | 18.50               |                      |       |       |       |
| EDGE 3 Tx slots |                         | 22.27                     | 22.30 | 22.26  | 22.50               | 18.01                     | 18.04  | 18.00                 | 18.24               |                      |       |       |       |
| EDGE 4 Tx slots |                         | 20.88                     | 20.96 | 20.91  | 21.50               | 17.88                     | 17.96  | 17.91                 | 18.50               |                      |       |       |       |
|                 |                         | GSM1900 Ant0 Default      |       |        |                     |                           |        |                       |                     |                      |       |       |       |
|                 |                         | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame Average Power (dBm) |        |                       | Tune-up Limit (dBm) |                      |       |       |       |
| TX Channel      |                         | 512                       | 661   | 810    |                     | 512                       | 661    | 810                   |                     |                      |       |       |       |
| Frequency (MHz) |                         | 1850.2                    | 1880  | 1909.8 | 1850.2              | 1880                      | 1909.8 |                       |                     |                      |       |       |       |
| GSM 1 Tx slot   |                         | 29.96                     | 29.99 | 29.84  | 31.00               | 20.96                     | 20.99  | 20.84                 | 22.00               |                      |       |       |       |
| GPRS 1 Tx slot  |                         | 29.87                     | 29.92 | 29.80  | 31.00               | 20.87                     | 20.92  | 20.80                 | 22.00               |                      |       |       |       |
| GPRS 2 Tx slots |                         | 27.06                     | 27.11 | 27.02  | 28.00               | 21.06                     | 21.11  | 21.02                 | 22.00               |                      |       |       |       |
| GPRS 3 Tx slots |                         | 25.27                     | 25.32 | 25.23  | 26.50               | 21.01                     | 21.06  | 20.97                 | 22.24               |                      |       |       |       |
| GPRS 4 Tx slots |                         | 23.86                     | 23.96 | 23.90  | 25.00               | 20.86                     | 20.96  | 20.90                 | 22.00               |                      |       |       |       |
| EDGE 1 Tx slot  |                         | 25.70                     | 25.78 | 25.73  | 26.50               | 16.70                     | 16.78  | 16.73                 | 17.50               |                      |       |       |       |
| EDGE 2 Tx slots |                         | 22.52                     | 22.58 | 22.53  | 23.50               | 16.52                     | 16.58  | 16.53                 | 17.50               |                      |       |       |       |
| EDGE 3 Tx slots |                         | 20.60                     | 20.64 | 20.50  | 21.50               | 16.34                     | 16.38  | 16.24                 | 17.24               |                      |       |       |       |
| EDGE 4 Tx slots |                         | 19.04                     | 19.08 | 19.04  | 20.00               | 16.04                     | 16.08  | 16.04                 | 17.00               |                      |       |       |       |
|                 |                         | WCDMA II Ant0 Default     |       |        |                     |                           |        | WCDMA IV Ant0 Default |                     | WCDMA V Ant0 Default |       |       |       |
| Band            |                         | WCDMA II                  |       |        | Tune-up Limit (dBm) | WCDMA IV                  |        |                       | Tune-up Limit (dBm) | WCDMA V              |       |       |       |
| TX Channel      |                         | 9262                      | 9400  | 9638   |                     | 1312                      | 1413   | 1513                  |                     | 4132                 | 4182  | 4233  |       |
| Rx Channel      |                         | 9662                      | 9800  | 9938   | 1537                | 1638                      | 1738   | 4357 4407 4458        |                     |                      |       |       |       |
| Frequency (MHz) |                         | 1852.4                    | 1880  | 1907.6 | 1712.4              | 1732.6                    | 1752.6 | 826.4 836.4 846.6     |                     |                      |       |       |       |
| 3GPP Rel 99     | AMR 12.2Kbps            | 23.91                     | 24.05 | 23.96  | 24.50               | 23.71                     | 23.84  | 23.76                 | 25.00               | 24.27                | 24.46 | 24.18 | 25.00 |
| 3GPP Rel 99     | RMC 12.2Kbps            | 24.03                     | 24.16 | 24.04  | 24.50               | 23.76                     | 23.92  | 23.83                 | 25.00               | 24.34                | 24.51 | 24.23 | 25.00 |
| 3GPP Rel 6      | HS-DSPA Subtest-1       | 23.01                     | 23.18 | 22.95  | 23.50               | 22.76                     | 22.96  | 22.87                 | 24.00               | 23.31                | 23.49 | 23.26 | 24.00 |
| 3GPP Rel 6      | HS-DSPA Subtest-2       | 23.06                     | 23.13 | 22.97  | 23.50               | 22.72                     | 22.91  | 22.85                 | 24.00               | 23.30                | 23.54 | 23.22 | 24.00 |
| 3GPP Rel 6      | HS-DSPA Subtest-3       | 22.55                     | 22.74 | 22.46  | 23.00               | 22.33                     | 22.42  | 22.30                 | 23.50               | 22.91                | 23.07 | 22.80 | 23.50 |
| 3GPP Rel 6      | HS-DSPA Subtest-4       | 22.50                     | 22.58 | 22.43  | 23.00               | 22.25                     | 22.48  | 22.29                 | 23.50               | 22.80                | 22.99 | 22.70 | 23.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 23.06                     | 23.19 | 23.04  | 23.50               | 22.73                     | 23.02  | 22.94                 | 24.00               | 23.33                | 23.48 | 23.26 | 24.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 23.01                     | 23.21 | 23.05  | 23.50               | 22.70                     | 22.95  | 22.87                 | 24.00               | 23.34                | 23.53 | 23.20 | 24.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 22.54                     | 22.76 | 22.43  | 23.00               | 22.38                     | 22.48  | 22.30                 | 23.50               | 22.87                | 23.03 | 22.86 | 23.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 22.60                     | 22.57 | 22.54  | 23.00               | 22.29                     | 22.51  | 22.33                 | 23.50               | 22.78                | 22.98 | 22.68 | 23.50 |
| 3GPP Rel 6      | HS-UPA Subtest-1        | 23.03                     | 23.16 | 23.02  | 23.50               | 22.73                     | 22.96  | 22.85                 | 24.00               | 23.41                | 23.47 | 23.27 | 24.00 |
| 3GPP Rel 6      | HS-UPA Subtest-2        | 21.05                     | 21.17 | 20.97  | 21.50               | 20.71                     | 20.80  | 20.88                 | 22.00               | 21.37                | 21.47 | 21.21 | 22.00 |
| 3GPP Rel 6      | HS-UPA Subtest-3        | 22.09                     | 22.22 | 21.91  | 22.50               | 21.72                     | 21.95  | 21.84                 | 23.00               | 22.40                | 22.50 | 22.21 | 23.00 |
| 3GPP Rel 6      | HS-UPA Subtest-4        | 21.07                     | 21.14 | 20.97  | 21.50               | 20.72                     | 20.96  | 20.82                 | 22.00               | 21.34                | 21.49 | 21.23 | 22.00 |
| 3GPP Rel 6      | HS-UPA Subtest-5        | 23.05                     | 23.12 | 22.97  | 23.50               | 22.81                     | 22.92  | 22.88                 | 24.00               | 23.39                | 23.50 | 23.22 | 24.00 |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 20.53                     | 20.61 | 20.49  | 21.00               | 20.31                     | 20.41  | 20.32                 | 21.50               | 20.89                | 20.98 | 20.84 | 21.50 |



| Band 38 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  | 25                  | 0        |  |
| Frequency (MHz)      |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20                   | QPSK       | 1       | 0         | 23.94                 | 24.08                    | 23.97                  |                     |          |  |
| 20                   | QPSK       | 1       | 49        | 23.91                 | 24.06                    | 23.97                  |                     |          |  |
| 20                   | QPSK       | 1       | 99        | 23.79                 | 23.88                    | 23.75                  | 24                  | 1        |  |
| 20                   | QPSK       | 50      | 0         | 22.91                 | 23.03                    | 22.91                  |                     |          |  |
| 20                   | QPSK       | 50      | 24        | 22.90                 | 22.95                    | 22.85                  |                     |          |  |
| 20                   | QPSK       | 50      | 50        | 22.89                 | 22.94                    | 22.81                  |                     |          |  |
| 20                   | QPSK       | 100     | 0         | 22.83                 | 22.96                    | 22.83                  | 24                  | 1        |  |
| 20                   | 16QAM      | 1       | 0         | 22.91                 | 22.99                    | 22.94                  |                     |          |  |
| 20                   | 16QAM      | 1       | 49        | 22.94                 | 23.04                    | 22.96                  |                     |          |  |
| 20                   | 16QAM      | 1       | 99        | 22.77                 | 22.92                    | 22.77                  |                     |          |  |
| 20                   | 16QAM      | 50      | 0         | 22.01                 | 22.05                    | 21.94                  | 23                  | 2        |  |
| 20                   | 16QAM      | 50      | 24        | 21.90                 | 21.96                    | 21.92                  |                     |          |  |
| 20                   | 16QAM      | 50      | 50        | 21.87                 | 22.01                    | 21.93                  |                     |          |  |
| 20                   | 16QAM      | 100     | 0         | 22.07                 | 22.11                    | 22.07                  |                     |          |  |
| 20                   | 64QAM      | 1       | 0         | 21.81                 | 21.87                    | 21.73                  | 23                  | 2        |  |
| 20                   | 64QAM      | 1       | 49        | 21.72                 | 21.84                    | 21.81                  |                     |          |  |
| 20                   | 64QAM      | 1       | 99        | 21.86                 | 21.93                    | 21.86                  |                     |          |  |
| 20                   | 64QAM      | 50      | 0         | 21.00                 | 21.12                    | 21.03                  | 22                  | 3        |  |
| 20                   | 64QAM      | 50      | 24        | 21.02                 | 21.06                    | 21.00                  |                     |          |  |
| 20                   | 64QAM      | 50      | 50        | 20.93                 | 20.97                    | 20.94                  |                     |          |  |
| 20                   | 64QAM      | 100     | 0         | 21.01                 | 21.08                    | 20.95                  |                     |          |  |
| 20                   | 256QAM     | 1       | 0         | 18.83                 | 18.94                    | 18.84                  | 20                  | 5        |  |
| 20                   | 256QAM     | 1       | 49        | 18.97                 | 19.01                    | 18.97                  |                     |          |  |
| 20                   | 256QAM     | 1       | 99        | 18.93                 | 19.07                    | 19.04                  |                     |          |  |
| 20                   | 256QAM     | 50      | 0         | 19.03                 | 19.12                    | 19.04                  | 20                  | 5        |  |
| 20                   | 256QAM     | 50      | 24        | 18.99                 | 19.03                    | 19.06                  |                     |          |  |
| 20                   | 256QAM     | 50      | 50        | 19.07                 | 19.08                    | 19.03                  |                     |          |  |
| 20                   | 256QAM     | 100     | 0         | 19.04                 | 19.10                    | 19.02                  |                     |          |  |
| Channel              |            |         |           | 37825                 | 38000                    | 38175                  | 25                  | 0        |  |
| Frequency (MHz)      |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                   | QPSK       | 1       | 0         | 23.78                 | 24.04                    | 23.86                  |                     |          |  |
| 15                   | QPSK       | 1       | 37        | 23.85                 | 24.00                    | 23.94                  | 24                  | 1        |  |
| 15                   | QPSK       | 1       | 74        | 23.70                 | 23.81                    | 23.71                  |                     |          |  |
| 15                   | QPSK       | 36      | 0         | 22.82                 | 22.96                    | 22.84                  |                     |          |  |
| 15                   | QPSK       | 36      | 20        | 22.80                 | 22.83                    | 22.75                  | 24                  | 1        |  |
| 15                   | QPSK       | 36      | 39        | 22.82                 | 22.87                    | 22.74                  |                     |          |  |
| 15                   | QPSK       | 75      | 0         | 22.79                 | 22.86                    | 22.73                  |                     |          |  |
| 15                   | 16QAM      | 1       | 0         | 22.81                 | 22.89                    | 22.90                  | 24                  | 1        |  |
| 15                   | 16QAM      | 1       | 37        | 22.81                 | 22.90                    | 22.83                  |                     |          |  |
| 15                   | 16QAM      | 1       | 74        | 22.71                 | 22.80                    | 22.67                  |                     |          |  |
| 15                   | 16QAM      | 36      | 0         | 21.94                 | 21.95                    | 21.81                  | 23                  | 2        |  |
| 15                   | 16QAM      | 36      | 20        | 21.77                 | 21.91                    | 21.83                  |                     |          |  |
| 15                   | 16QAM      | 36      | 39        | 21.79                 | 21.93                    | 21.87                  |                     |          |  |
| 15                   | 16QAM      | 75      | 0         | 22.01                 | 22.08                    | 21.96                  |                     |          |  |
| 15                   | 64QAM      | 1       | 0         | 21.72                 | 21.73                    | 21.70                  | 23                  | 2        |  |
| 15                   | 64QAM      | 1       | 37        | 21.63                 | 21.74                    | 21.66                  |                     |          |  |
| 15                   | 64QAM      | 1       | 74        | 21.75                 | 21.80                    | 21.76                  |                     |          |  |
| 15                   | 64QAM      | 36      | 0         | 20.97                 | 21.02                    | 20.97                  | 22                  | 3        |  |
| 15                   | 64QAM      | 36      | 20        | 20.91                 | 21.03                    | 20.86                  |                     |          |  |
| 15                   | 64QAM      | 36      | 39        | 20.83                 | 20.93                    | 20.87                  |                     |          |  |
| 15                   | 64QAM      | 75      | 0         | 20.90                 | 20.97                    | 20.86                  |                     |          |  |
| 15                   | 256QAM     | 1       | 0         | 18.74                 | 18.86                    | 18.78                  | 20                  | 5        |  |
| 15                   | 256QAM     | 1       | 37        | 18.82                 | 18.97                    | 18.83                  |                     |          |  |
| 15                   | 256QAM     | 1       | 74        | 18.82                 | 19.02                    | 18.93                  |                     |          |  |
| 15                   | 256QAM     | 36      | 0         | 18.94                 | 18.98                    | 19.00                  | 20                  | 5        |  |
| 15                   | 256QAM     | 36      | 20        | 18.87                 | 18.95                    | 18.87                  |                     |          |  |
| 15                   | 256QAM     | 36      | 39        | 18.81                 | 18.94                    | 18.87                  |                     |          |  |
| 15                   | 256QAM     | 75      | 0         | 18.96                 | 19.05                    | 19.07                  |                     |          |  |
| Channel              |            |         |           | 37800                 | 38000                    | 38200                  | 25                  | 0        |  |
| Frequency (MHz)      |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                   | QPSK       | 1       | 0         | 23.77                 | 23.97                    | 23.85                  |                     |          |  |
| 10                   | QPSK       | 1       | 25        | 23.84                 | 23.93                    | 23.93                  | 24                  | 1        |  |
| 10                   | QPSK       | 1       | 49        | 23.66                 | 23.82                    | 23.68                  |                     |          |  |
| 10                   | QPSK       | 25      | 0         | 22.81                 | 22.89                    | 22.84                  |                     |          |  |
| 10                   | QPSK       | 25      | 12        | 22.80                 | 22.90                    | 22.81                  | 24                  | 1        |  |
| 10                   | QPSK       | 25      | 25        | 22.85                 | 22.85                    | 22.71                  |                     |          |  |
| 10                   | QPSK       | 50      | 0         | 22.79                 | 22.90                    | 22.70                  |                     |          |  |
| 10                   | 16QAM      | 1       | 0         | 22.76                 | 22.95                    | 22.89                  | 24                  | 1        |  |
| 10                   | 16QAM      | 1       | 25        | 22.91                 | 22.93                    | 22.91                  |                     |          |  |
| 10                   | 16QAM      | 1       | 49        | 22.70                 | 22.78                    | 22.69                  |                     |          |  |
| 10                   | 16QAM      | 25      | 0         | 21.91                 | 21.99                    | 21.80                  | 23                  | 2        |  |
| 10                   | 16QAM      | 25      | 12        | 21.82                 | 21.90                    | 21.81                  |                     |          |  |
| 10                   | 16QAM      | 25      | 25        | 21.82                 | 21.82                    | 21.89                  |                     |          |  |
| 10                   | 16QAM      | 50      | 0         | 21.97                 | 21.98                    | 21.96                  |                     |          |  |
| 10                   | 64QAM      | 1       | 0         | 21.72                 | 21.79                    | 21.67                  | 23                  | 2        |  |
| 10                   | 64QAM      | 1       | 25        | 21.67                 | 21.75                    | 21.76                  |                     |          |  |
| 10                   | 64QAM      | 1       | 49        | 21.82                 | 21.86                    | 21.72                  |                     |          |  |
| 10                   | 64QAM      | 25      | 0         | 20.94                 | 21.08                    | 20.90                  | 22                  | 3        |  |
| 10                   | 64QAM      | 25      | 12        | 20.96                 | 20.98                    | 20.88                  |                     |          |  |
| 10                   | 64QAM      | 25      | 25        | 20.81                 | 20.92                    | 20.90                  |                     |          |  |
| 10                   | 64QAM      | 50      | 0         | 20.98                 | 20.97                    | 20.89                  |                     |          |  |
| 10                   | 256QAM     | 1       | 0         | 18.75                 | 18.85                    | 18.79                  | 20                  | 5        |  |
| 10                   | 256QAM     | 1       | 25        | 18.83                 | 18.95                    | 18.92                  |                     |          |  |
| 10                   | 256QAM     | 1       | 49        | 18.78                 | 18.98                    | 18.99                  |                     |          |  |
| 10                   | 256QAM     | 25      | 0         | 18.98                 | 18.99                    | 18.91                  | 20                  | 5        |  |
| 10                   | 256QAM     | 25      | 12        | 18.88                 | 18.96                    | 18.93                  |                     |          |  |
| 10                   | 256QAM     | 25      | 25        | 18.76                 | 18.92                    | 18.88                  |                     |          |  |
| 10                   | 256QAM     | 50      | 0         | 18.99                 | 18.98                    | 18.92                  |                     |          |  |
| Channel              |            |         |           | 3777.5                | 38000                    | 38225                  | 25                  | 0        |  |
| Frequency (MHz)      |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                    | QPSK       | 1       | 0         | 23.77                 | 23.94                    | 23.89                  |                     |          |  |
| 5                    | QPSK       | 1       | 12        | 23.85                 | 23.99                    | 23.95                  | 24                  | 1        |  |
| 5                    | QPSK       | 1       | 24        | 23.75                 | 23.74                    | 23.68                  |                     |          |  |
| 5                    | QPSK       | 12      | 0         | 22.83                 | 22.96                    | 22.87                  |                     |          |  |
| 5                    | QPSK       | 12      | 7         | 22.77                 | 22.91                    | 22.76                  | 24                  | 1        |  |
| 5                    | QPSK       | 12      | 13        | 22.78                 | 22.81                    | 22.67                  |                     |          |  |
| 5                    | QPSK       | 25      | 0         | 22.68                 | 22.89                    | 22.79                  |                     |          |  |
| 5                    | 16QAM      | 1       | 0         | 22.76                 | 22.92                    | 22.83                  | 24                  | 1        |  |
| 5                    | 16QAM      | 1       | 12        | 22.86                 | 22.91                    | 22.89                  |                     |          |  |
| 5                    | 16QAM      | 1       | 24        | 22.63                 | 22.87                    | 22.63                  |                     |          |  |
| 5                    | 16QAM      | 12      | 0         | 21.88                 | 21.97                    | 21.86                  | 23                  | 2        |  |
| 5                    | 16QAM      | 12      | 7         | 21.76                 | 21.92                    | 21.87                  |                     |          |  |
| 5                    | 16QAM      | 12      | 13        | 21.80                 | 21.95                    | 21.89                  |                     |          |  |
| 5                    | 16QAM      | 25      | 0         | 21.93                 | 22.05                    | 22.04                  |                     |          |  |
| 5                    | 64QAM      | 1       | 0         | 21.67                 | 21.80                    | 21.62                  | 23                  | 2        |  |
| 5                    | 64QAM      | 1       | 12        | 21.65                 | 21.72                    | 21.68                  |                     |          |  |
| 5                    | 64QAM      | 1       | 24        | 21.83                 | 21.90                    | 21.79                  |                     |          |  |
| 5                    | 64QAM      | 12      | 0         | 20.88                 | 21.03                    | 20.93                  | 22                  | 3        |  |
| 5                    | 64QAM      | 12      | 7         | 20.97                 | 21.00                    | 20.93                  |                     |          |  |
| 5                    | 64QAM      | 12      | 13        | 20.85                 | 20.83                    | 20.90                  |                     |          |  |
| 5                    | 64QAM      | 25      | 0         | 20.94                 | 21.02                    | 20.86                  |                     |          |  |
| 5                    | 256QAM     | 1       | 0         | 18.71                 | 18.90                    | 18.72                  | 20                  | 5        |  |
| 5                    | 256QAM     | 1       | 12        | 18.93                 | 18.95                    | 18.85                  |                     |          |  |
| 5                    | 256QAM     | 1       | 24        | 18.85                 | 18.95                    | 18.92                  |                     |          |  |
| 5                    | 256QAM     | 12      | 0         | 18.95                 | 19.06                    | 19.00                  | 20                  | 5        |  |
| 5                    | 256QAM     | 12      | 7         | 18.84                 | 18.99                    | 18.92                  |                     |          |  |
| 5                    | 256QAM     | 12      | 13        | 18.83                 | 18.90                    | 18.87                  |                     |          |  |
| 5                    | 256QAM     | 25      | 0         | 19.00                 | 18.97                    | 18.90                  |                     |          |  |

| Band 41 Ant0 Default |            |         |           |                       |                              |                          |                               |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (dB) |
| Channel              |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz)      |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.98                 | 24.09                        | 24.19                    | 24.02                         | 24.07                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.96                 | 24.06                        | 24.10                    | 23.98                         | 24.03                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.92                 | 23.90                        | 24.02                    | 23.93                         | 23.97                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.98                 | 23.06                        | 23.11                    | 22.99                         | 23.04                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.89                 | 22.95                        | 23.03                    | 22.98                         | 22.97                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.83                 | 22.88                        | 22.95                    | 22.80                         | 22.81                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.84                 | 22.90                        | 23.01                    | 22.94                         | 22.96                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 0         | 23.09                 | 23.10                        | 23.16                    | 23.12                         | 23.08                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 22.92                 | 22.95                        | 23.01                    | 22.98                         | 22.93                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 23.07                 | 23.02                        | 23.10                    | 22.97                         | 22.97                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 0         | 22.01                 | 22.07                        | 22.15                    | 22.09                         | 22.03                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 21.96                 | 21.96                        | 22.06                    | 22.00                         | 21.95                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.93                 | 21.97                        | 22.03                    | 21.98                         | 21.90                  | 23                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 22.03                 | 22.04                        | 22.14                    | 22.03                         | 22.05                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 22.92                 | 21.93                        | 22.07                    | 21.92                         | 22.00                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.88                 | 21.93                        | 21.98                    | 21.96                         | 21.89                  | 22                  | 3        |
| 20                   | 64QAM      | 1       | 99        | 21.89                 | 21.90                        | 22.02                    | 21.92                         | 21.96                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 21.10                 | 21.10                        | 21.18                    | 21.09                         | 21.07                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.92                 | 20.92                        | 21.06                    | 20.91                         | 20.91                  | 20                  | 5        |
| 20                   | 64QAM      | 50      | 50        | 20.95                 | 20.93                        | 21.01                    | 20.92                         | 20.86                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 21.04                 | 21.08                        | 21.15                    | 21.07                         | 21.07                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 19.01                 | 19.01                        | 19.08                    | 19.04                         | 19.00                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.93                 | 18.86                        | 18.98                    | 18.93                         | 18.90                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 19.05                 | 19.06                        | 19.11                    | 18.96                         | 19.04                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 19.15                 | 19.04                        | 19.19                    | 19.08                         | 19.05                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.97                 | 18.95                        | 19.07                    | 18.97                         | 18.94                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.98                 | 19.01                        | 19.11                    | 19.05                         | 19.07                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 19.02                 | 19.11                        | 19.15                    | 19.09                         | 19.10                  |                     |          |
| Channel              |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dbm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.4                        | 2682.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.91                 | 23.95                        | 24.13                    | 23.99                         | 23.96                  | 25.00               | 0        |
| 15                   | QPSK       | 1       | 37        | 23.89                 | 23.95                        | 23.97                    | 23.91                         | 23.88                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.78                 | 23.80                        | 23.93                    | 23.80                         | 23.91                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.92                 | 22.95                        | 22.99                    | 22.91                         | 23.01                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.85                 | 22.93                        | 22.97                    | 22.84                         | 22.93                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.68                 | 22.76                        | 22.89                    | 22.76                         | 22.76                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.84                 | 22.86                        | 22.91                    | 22.80                         | 22.81                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 23.03                 | 22.96                        | 23.11                    | 23.08                         | 23.04                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.79                 | 22.89                        | 22.89                    | 22.92                         | 22.82                  |                     |          |
| 15                   | 16QAM      | 1       | 74        | 22.92                 | 22.97                        | 23.05                    | 22.82                         | 22.88                  | 23                  | 2        |
| 15                   | 16QAM      | 36      | 0         | 21.89                 | 21.99                        | 22.02                    | 22.01                         | 21.98                  |                     |          |
| 15                   | 16QAM      | 36      | 20        | 21.86                 | 21.84                        | 21.96                    | 21.89                         | 21.86                  |                     |          |
| 15                   | 16QAM      | 36      | 39        | 21.87                 | 21.89                        | 21.95                    | 21.90                         | 21.84                  | 23                  | 2        |
| 15                   | 16QAM      | 75      | 0         | 21.98                 | 21.95                        | 22.11                    | 21.93                         | 22.00                  |                     |          |
| 15                   | 64QAM      | 1       | 0         | 21.96                 | 21.83                        | 21.93                    | 21.80                         | 21.94                  |                     |          |
| 15                   | 64QAM      | 1       | 37        | 21.76                 | 21.87                        | 21.96                    | 21.78                         | 21.86                  | 23                  | 2        |
| 15                   | 64QAM      | 1       | 74        | 21.79                 | 21.82                        | 21.96                    | 21.84                         | 21.86                  |                     |          |
| 15                   | 64QAM      | 36      | 0         | 21.02                 | 20.97                        | 21.09                    | 21.05                         | 20.99                  |                     |          |
| 15                   | 64QAM      | 36      | 20        | 20.80                 | 20.84                        | 20.93                    | 20.81                         | 20.84                  | 22                  | 3        |
| 15                   | 64QAM      | 36      | 39        | 20.86                 | 20.79                        | 20.96                    | 20.84                         | 20.79                  |                     |          |
| 15                   | 64QAM      | 75      | 0         | 20.91                 | 20.97                        | 21.05                    | 20.96                         | 20.99                  |                     |          |
| 15                   | 256QAM     | 1       | 0         | 18.92                 | 18.90                        | 18.94                    | 18.92                         | 18.96                  | 20                  | 5        |
| 15                   | 256QAM     | 1       | 37        | 18.85                 | 18.82                        | 18.94                    | 18.85                         | 18.78                  |                     |          |
| 15                   | 256QAM     | 1       | 74        | 19.01                 | 18.93                        | 19.07                    | 18.90                         | 18.96                  |                     |          |
| 15                   | 256QAM     | 36      | 74        | 19.03                 | 18.93                        | 19.13                    | 18.99                         | 18.96                  | 20                  | 5        |
| 15                   | 256QAM     | 36      | 20        | 18.94                 | 18.90                        | 18.99                    | 18.91                         | 18.89                  |                     |          |
| 15                   | 256QAM     | 36      | 39        | 18.95                 | 18.90                        | 18.98                    | 19.01                         | 18.93                  |                     |          |
| 15                   | 256QAM     | 75      | 0         | 18.92                 | 19.02                        | 19.10                    | 18.96                         | 19.03                  |                     |          |
| Channel              |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dbm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10                   | QPSK       | 1       | 0         | 23.89                 | 23.96                        | 24.08                    | 23.98                         | 24.04                  | 25.00               | 0        |
| 10                   | QPSK       | 1       | 25        | 23.86                 | 23.94                        | 24.01                    | 23.86                         | 23.95                  |                     |          |
| 10                   | QPSK       | 1       | 49        | 23.87                 | 23.77                        | 23.97                    | 23.90                         | 23.86                  |                     |          |
| 10                   | QPSK       | 25      | 0         | 22.84                 | 23.00                        | 22.96                    | 22.85                         | 22.90                  | 24                  | 1        |
| 10                   | QPSK       | 25      | 12        | 22.83                 | 22.91                        | 22.91                    | 22.94                         | 22.87                  |                     |          |
| 10                   | QPSK       | 25      | 25        | 22.72                 | 22.74                        | 22.91                    | 22.74                         | 22.70                  |                     |          |
| 10                   | QPSK       | 50      | 0         | 22.83                 | 22.83                        | 22.94                    | 22.79                         | 22.89                  | 24                  | 1        |
| 10                   | 16QAM      | 1       | 0         | 22.94                 | 23.03                        | 23.12                    | 23.05                         | 23.01                  |                     |          |
| 10                   | 16QAM      | 1       | 25        | 22.89                 | 22.80                        | 22.91                    | 22.84                         | 22.84                  |                     |          |
| 10                   | 16QAM      | 1       | 49        | 23.01                 | 22.91                        | 23.06                    | 22.89                         | 22.83                  | 23                  | 2        |
| 10                   | 16QAM      | 25      | 0         | 21.93                 | 22.03                        | 22.08                    | 21.95                         | 22.00                  |                     |          |
| 10                   | 16QAM      | 25      | 12        | 21.85                 | 21.88                        | 21.97                    | 21.89                         | 21.83                  |                     |          |
| 10                   | 16QAM      | 25      | 25        | 21.84                 | 21.86                        | 21.98                    | 21.90                         | 21.83                  | 23                  | 2        |
| 10                   | 16QAM      | 50      | 0         | 21.99                 | 21.94                        | 22.05                    | 21.92                         | 21.93                  |                     |          |
| 10                   | 64QAM      | 1       | 0         | 21.96                 | 21.83                        | 22.02                    | 21.77                         | 21.88                  |                     |          |
| 10                   | 64QAM      | 1       | 25        | 21.76                 | 21.79                        | 21.94                    | 21.75                         | 21.80                  | 23                  | 2        |
| 10                   | 64QAM      | 1       | 49        | 21.79                 | 21.81                        | 21.97                    | 21.81                         | 21.91                  |                     |          |
| 10                   | 64QAM      | 25      | 0         | 20.98                 | 21.02                        | 21.11                    | 21.04                         | 20.95                  |                     |          |
| 10                   | 64QAM      | 25      | 12        | 20.89                 | 20.85                        | 20.96                    | 20.83                         | 20.83                  | 22                  | 3        |
| 10                   | 64QAM      | 25      | 25        | 20.91                 | 20.83                        | 20.96                    | 20.78                         | 20.80                  |                     |          |
| 10                   | 64QAM      | 50      | 0         | 21.00                 | 21.05                        | 21.00                    | 20.96                         | 21.01                  |                     |          |
| 10                   | 256QAM     | 1       | 0         | 18.87                 | 18.93                        | 18.94                    | 18.93                         | 18.93                  | 20                  | 5        |
| 10                   | 256QAM     | 1       | 25        | 18.81                 | 18.79                        | 18.86                    | 18.84                         | 18.75                  |                     |          |
| 10                   | 256QAM     | 1       | 49        | 19.01                 | 18.96                        | 19.01                    | 18.81                         | 18.91                  |                     |          |
| 10                   | 256QAM     | 25      | 0         | 19.01                 | 18.97                        | 19.10                    | 19.00                         | 18.95                  | 20                  | 5        |
| 10                   | 256QAM     | 25      | 12        | 18.85                 | 18.84                        | 18.95                    | 18.86                         | 18.82                  |                     |          |
| 10                   | 256QAM     | 25      | 25        | 18.84                 | 18.87                        | 18.96                    | 19.01                         | 18.98                  |                     |          |
| 10                   | 256QAM     | 50      | 0         | 18.91                 | 18.98                        | 19.01                    | 18.96                         | 19.04                  |                     |          |
| Channel              |            |         |           | 39675                 | 40148                        | 40620                    | 41093                         | 41565                  | Tune-up limit (dbm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2498.5                | 2545.8                       | 2593                     | 2640.3                        | 2687.5                 |                     |          |
| 5                    | QPSK       | 1       | 0         | 23.90                 | 23.99                        | 24.07                    | 23.91                         | 24.01                  | 25.00               | 0        |
| 5                    | QPSK       | 1       | 12        | 23.85                 | 23.92                        | 24.02                    | 23.93                         | 23.88                  |                     |          |
| 5                    | QPSK       | 1       | 24        | 23.86                 | 23.85                        | 23.93                    | 23.80                         | 23.92                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.85                 | 22.86                        | 23.06                    | 22.87                         | 23.00                  | 24                  | 1        |
| 5                    | QPSK       | 12      | 7         | 22.80                 | 22.85                        | 22.98                    | 22.92                         | 22.91                  |                     |          |
| 5                    | QPSK       | 12      | 13        | 22.69                 | 22.81                        | 22.91                    | 22.69                         | 22.68                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.82                 | 22.81                        | 22.93                    | 22.91                         | 22.90                  | 24                  | 1        |
| 5                    | 16QAM      | 1       | 0         | 22.98                 | 23.03                        | 23.08                    | 22.98                         | 22.99                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 22.83                 | 22.85                        | 22.95                    | 22.86                         | 22.87                  |                     |          |
| 5                    | 16QAM      | 1       | 24        | 22.97                 | 22.98                        | 23.00                    | 22.94                         | 22.89                  | 23                  | 2        |
| 5                    | 16QAM      | 12      | 0         | 21.91                 | 22.02                        | 22.01                    | 22.02                         | 21.96                  |                     |          |
| 5                    | 16QAM      | 12      | 7         | 21.82                 | 21.92                        | 21.97                    | 21.86                         | 21.91                  |                     |          |
| 5                    | 16QAM      | 12      | 13        | 21.80                 | 21.87                        | 21.97                    | 21.84                         | 21.85                  | 23                  | 2        |
| 5                    | 16QAM      | 25      | 0         | 21.98                 | 21.95                        | 22.05                    | 21.96                         | 21.92                  |                     |          |
| 5                    | 64QAM      | 1       | 0         | 21.95                 | 21.83                        | 22.08                    | 21.88                         | 21.96                  |                     |          |
| 5                    | 64QAM      | 1       | 12        | 21.81                 | 21.82                        | 21.88                    | 21.81                         | 21.79                  | 23                  | 2        |
| 5                    | 64QAM      | 1       | 24        | 21.75                 | 21.76                        | 21.93                    | 21.79                         | 21.87                  |                     |          |
| 5                    | 64QAM      | 12      | 0         | 21.02                 | 21.04                        | 21.04                    | 21.05                         | 20.97                  |                     |          |
| 5                    | 64QAM      | 12      | 7         | 20.80                 | 20.80                        | 20.97                    | 20.85                         | 20.76                  | 22                  | 3        |
| 5                    | 64QAM      | 12      | 13        | 20.81                 | 20.84                        | 20.89                    | 20.79                         | 20.80                  |                     |          |
| 5                    | 64QAM      | 25      | 0         | 20.93                 | 21.03                        | 21.09                    | 20.98                         | 20.89                  |                     |          |
| 5                    | 256QAM     | 1       | 0         | 18.92                 | 18.98                        | 18.99                    | 18.92                         | 18.94                  | 20                  | 5        |
| 5                    | 256QAM     | 1       | 12        | 18.89                 | 18.81                        | 18.94                    | 18.88                         | 18.77                  |                     |          |
| 5                    | 256QAM     | 1       | 24        | 19.00                 | 19.00                        | 19.07                    | 18.86                         | 18.96                  |                     |          |
| 5                    | 256QAM     | 12      | 0         | 19.05                 | 18.94                        | 19.08                    | 18.99                         | 18.92                  | 20                  | 5        |
| 5                    | 256QAM     | 12      | 7         | 18.88                 | 18.90                        | 19.00                    | 18.88                         | 18.90                  |                     |          |
| 5                    | 256QAM     | 12      | 13        | 18.94                 | 18.90                        | 19.02                    | 18.95                         | 18.96                  |                     |          |
| 5                    | 256QAM     | 25      | 0         | 18.93                 | 18.97                        | 19.04                    | 19.03                         | 19.02                  |                     |          |

GSM850 Ant1 Default

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 128                       | 188   | 261   |                     | 128                       | 188   | 261   |                     |
| TX Channel      | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| Frequency (MHz) | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   | 32.89                     | 32.93 | 32.87 | 34.50               | 23.89                     | 23.93 | 23.87 | 25.50               |
| GPRS 2 Tx slot  | 32.82                     | 32.89 | 32.83 | 34.50               | 23.82                     | 23.89 | 23.83 | 25.50               |
| GPRS 3 Tx slots | 29.93                     | 29.96 | 29.93 | 31.50               | 23.93                     | 23.96 | 23.93 | 25.50               |
| GPRS 4 Tx slots | 28.02                     | 28.12 | 28.06 | 30.00               | 23.76                     | 23.86 | 23.80 | 25.74               |
| EDGE 1 Tx slot  | 26.61                     | 26.75 | 26.71 | 28.50               | 23.61                     | 23.75 | 23.71 | 25.50               |
| EDGE 2 Tx slot  | 26.96                     | 27.05 | 26.97 | 28.00               | 17.96                     | 18.05 | 17.97 | 19.00               |
| EDGE 3 Tx slots | 24.12                     | 24.16 | 24.08 | 25.00               | 18.12                     | 18.16 | 18.08 | 19.00               |
| EDGE 4 Tx slots | 22.16                     | 22.21 | 22.13 | 23.00               | 17.90                     | 17.95 | 17.87 | 18.74               |
| EDGE 4 Tx slots | 20.64                     | 20.78 | 20.64 | 22.00               | 17.64                     | 17.78 | 17.64 | 19.00               |

WCDMA V Ant1 Default

| Band            |                         | WCDMA V |       |       | Tune-up Limit (dBm) |
|-----------------|-------------------------|---------|-------|-------|---------------------|
| TX Channel      |                         | 4132    | 4182  | 4233  |                     |
| Rx Channel      |                         | 4357    | 4407  | 4458  |                     |
| Frequency (MHz) |                         | 826.4   | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps            | 23.77   | 24.03 | 23.69 | 25.50               |
| 3GPP Rel 99     | RMG 12.2Kbps            | 23.79   | 24.12 | 23.72 | 25.50               |
| 3GPP Rel 6      | HSDPA Subtest-1         | 22.94   | 23.08 | 22.85 | 24.50               |
| 3GPP Rel 6      | HSDPA Subtest-2         | 22.89   | 23.17 | 22.84 | 24.50               |
| 3GPP Rel 6      | HSDPA Subtest-3         | 22.48   | 22.70 | 22.37 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-4         | 22.43   | 22.57 | 22.33 | 24.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 22.95   | 23.05 | 22.83 | 24.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 22.94   | 23.18 | 22.80 | 24.50               |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 22.48   | 22.63 | 22.45 | 24.00               |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 22.39   | 22.56 | 22.29 | 24.00               |
| 3GPP Rel 6      | HSUPA Subtest-1         | 23.03   | 23.12 | 22.85 | 24.50               |
| 3GPP Rel 6      | HSUPA Subtest-2         | 20.96   | 21.11 | 20.86 | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-3         | 21.99   | 22.15 | 21.78 | 23.50               |
| 3GPP Rel 6      | HSUPA Subtest-4         | 20.97   | 21.13 | 20.87 | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-5         | 22.98   | 23.10 | 22.85 | 24.50               |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 20.32   | 20.65 | 20.42 | 22.00               |



| Band 38 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20                   | QPSK       | 1       | 0         | 22.85                 | 22.94                    | 22.69                  | 24                  | 0        |  |
| 20                   | QPSK       | 1       | 49        | 22.74                 | 22.81                    | 22.81                  |                     |          |  |
| 20                   | QPSK       | 1       | 99        | 22.80                 | 22.68                    | 22.86                  |                     |          |  |
| 20                   | QPSK       | 50      | 0         | 21.79                 | 21.88                    | 21.82                  | 23                  | 1        |  |
| 20                   | QPSK       | 50      | 24        | 21.71                 | 21.76                    | 21.76                  |                     |          |  |
| 20                   | QPSK       | 50      | 50        | 21.74                 | 21.68                    | 21.66                  |                     |          |  |
| 20                   | QPSK       | 100     | 0         | 21.72                 | 21.86                    | 21.70                  | 23                  | 1        |  |
| 20                   | 16QAM      | 1       | 0         | 21.81                 | 21.84                    | 21.85                  |                     |          |  |
| 20                   | 16QAM      | 1       | 49        | 21.81                 | 21.68                    | 21.86                  |                     |          |  |
| 20                   | 16QAM      | 1       | 99        | 21.75                 | 21.66                    | 21.82                  | 22                  | 2        |  |
| 20                   | 16QAM      | 50      | 0         | 20.83                 | 20.85                    | 20.82                  |                     |          |  |
| 20                   | 16QAM      | 50      | 24        | 20.80                 | 20.80                    | 20.80                  |                     |          |  |
| 20                   | 16QAM      | 50      | 50        | 20.68                 | 20.71                    | 20.72                  | 22                  | 2        |  |
| 20                   | 16QAM      | 100     | 0         | 20.74                 | 20.77                    | 20.73                  |                     |          |  |
| 20                   | 64QAM      | 1       | 0         | 20.82                 | 20.85                    | 20.87                  |                     |          |  |
| 20                   | 64QAM      | 1       | 49        | 20.78                 | 20.83                    | 20.77                  | 22                  | 2        |  |
| 20                   | 64QAM      | 1       | 99        | 20.73                 | 20.70                    | 20.78                  |                     |          |  |
| 20                   | 64QAM      | 50      | 0         | 19.86                 | 19.87                    | 19.87                  |                     |          |  |
| 20                   | 64QAM      | 50      | 24        | 19.73                 | 19.81                    | 19.81                  | 21                  | 3        |  |
| 20                   | 64QAM      | 50      | 50        | 19.70                 | 19.72                    | 19.71                  |                     |          |  |
| 20                   | 64QAM      | 100     | 0         | 19.76                 | 19.78                    | 19.78                  |                     |          |  |
| 20                   | 256QAM     | 1       | 0         | 17.79                 | 17.86                    | 17.82                  | 19                  | 5        |  |
| 20                   | 256QAM     | 1       | 49        | 17.76                 | 17.83                    | 17.82                  |                     |          |  |
| 20                   | 256QAM     | 1       | 99        | 17.66                 | 17.68                    | 17.71                  |                     |          |  |
| 20                   | 256QAM     | 50      | 0         | 17.91                 | 17.92                    | 17.88                  | 19                  | 5        |  |
| 20                   | 256QAM     | 50      | 24        | 17.85                 | 17.85                    | 17.87                  |                     |          |  |
| 20                   | 256QAM     | 50      | 50        | 17.69                 | 17.76                    | 17.72                  |                     |          |  |
| 20                   | 256QAM     | 100     | 0         | 17.74                 | 17.79                    | 17.75                  |                     |          |  |
| Channel              |            |         |           | 37825                 | 38000                    | 38175                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                   | QPSK       | 1       | 0         | 22.85                 | 22.88                    | 22.69                  | 24                  | 0        |  |
| 15                   | QPSK       | 1       | 37        | 22.73                 | 22.75                    | 22.82                  |                     |          |  |
| 15                   | QPSK       | 1       | 74        | 22.79                 | 22.74                    | 22.82                  |                     |          |  |
| 15                   | QPSK       | 36      | 0         | 21.83                 | 21.84                    | 21.77                  | 23                  | 1        |  |
| 15                   | QPSK       | 36      | 20        | 21.72                 | 21.70                    | 21.72                  |                     |          |  |
| 15                   | QPSK       | 36      | 39        | 21.66                 | 21.69                    | 21.66                  |                     |          |  |
| 15                   | QPSK       | 75      | 0         | 21.77                 | 21.69                    | 21.71                  | 23                  | 1        |  |
| 15                   | 16QAM      | 1       | 0         | 21.87                 | 21.84                    | 21.83                  |                     |          |  |
| 15                   | 16QAM      | 1       | 37        | 21.86                 | 21.78                    | 21.83                  |                     |          |  |
| 15                   | 16QAM      | 1       | 74        | 21.80                 | 21.68                    | 21.79                  | 22                  | 2        |  |
| 15                   | 16QAM      | 36      | 0         | 20.89                 | 20.83                    | 20.84                  |                     |          |  |
| 15                   | 16QAM      | 36      | 20        | 20.85                 | 20.78                    | 20.80                  |                     |          |  |
| 15                   | 16QAM      | 36      | 39        | 20.72                 | 20.70                    | 20.72                  | 22                  | 2        |  |
| 15                   | 16QAM      | 75      | 0         | 20.75                 | 20.77                    | 20.69                  |                     |          |  |
| 15                   | 64QAM      | 1       | 0         | 20.80                 | 20.83                    | 20.88                  |                     |          |  |
| 15                   | 64QAM      | 1       | 37        | 20.77                 | 20.76                    | 20.78                  | 22                  | 2        |  |
| 15                   | 64QAM      | 1       | 74        | 20.76                 | 20.74                    | 20.80                  |                     |          |  |
| 15                   | 64QAM      | 36      | 0         | 19.88                 | 19.83                    | 19.82                  |                     |          |  |
| 15                   | 64QAM      | 36      | 20        | 19.74                 | 19.78                    | 19.81                  | 21                  | 3        |  |
| 15                   | 64QAM      | 36      | 39        | 19.70                 | 19.69                    | 19.70                  |                     |          |  |
| 15                   | 64QAM      | 75      | 0         | 19.76                 | 19.74                    | 19.73                  |                     |          |  |
| 15                   | 256QAM     | 1       | 0         | 17.81                 | 17.85                    | 17.78                  | 19                  | 5        |  |
| 15                   | 256QAM     | 1       | 37        | 17.75                 | 17.80                    | 17.78                  |                     |          |  |
| 15                   | 256QAM     | 1       | 74        | 17.70                 | 17.73                    | 17.66                  |                     |          |  |
| 15                   | 256QAM     | 36      | 0         | 17.90                 | 17.88                    | 17.85                  | 19                  | 5        |  |
| 15                   | 256QAM     | 36      | 20        | 17.87                 | 17.81                    | 17.83                  |                     |          |  |
| 15                   | 256QAM     | 36      | 39        | 17.67                 | 17.72                    | 17.73                  |                     |          |  |
| 15                   | 256QAM     | 75      | 0         | 17.75                 | 17.75                    | 17.74                  |                     |          |  |
| Channel              |            |         |           | 37800                 | 38000                    | 38200                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                   | QPSK       | 1       | 0         | 22.85                 | 22.87                    | 22.75                  | 24                  | 0        |  |
| 10                   | QPSK       | 1       | 25        | 22.77                 | 22.89                    | 22.81                  |                     |          |  |
| 10                   | QPSK       | 1       | 49        | 22.88                 | 22.70                    | 22.82                  |                     |          |  |
| 10                   | QPSK       | 25      | 0         | 21.85                 | 21.86                    | 21.81                  | 23                  | 1        |  |
| 10                   | QPSK       | 25      | 12        | 21.74                 | 21.77                    | 21.73                  |                     |          |  |
| 10                   | QPSK       | 25      | 25        | 21.67                 | 21.68                    | 21.66                  |                     |          |  |
| 10                   | QPSK       | 50      | 0         | 21.75                 | 21.78                    | 21.73                  | 23                  | 1        |  |
| 10                   | 16QAM      | 1       | 0         | 21.87                 | 21.92                    | 21.89                  |                     |          |  |
| 10                   | 16QAM      | 1       | 25        | 21.86                 | 21.87                    | 21.85                  |                     |          |  |
| 10                   | 16QAM      | 1       | 49        | 21.82                 | 21.72                    | 21.82                  | 22                  | 2        |  |
| 10                   | 16QAM      | 25      | 0         | 20.84                 | 20.90                    | 20.85                  |                     |          |  |
| 10                   | 16QAM      | 25      | 12        | 20.88                 | 20.84                    | 20.78                  |                     |          |  |
| 10                   | 16QAM      | 25      | 25        | 20.75                 | 20.72                    | 20.71                  | 22                  | 2        |  |
| 10                   | 16QAM      | 50      | 0         | 20.75                 | 20.82                    | 20.69                  |                     |          |  |
| 10                   | 64QAM      | 1       | 0         | 20.83                 | 20.80                    | 20.86                  |                     |          |  |
| 10                   | 64QAM      | 1       | 25        | 20.85                 | 20.84                    | 20.73                  | 22                  | 2        |  |
| 10                   | 64QAM      | 1       | 49        | 20.75                 | 20.73                    | 20.80                  |                     |          |  |
| 10                   | 64QAM      | 25      | 0         | 19.87                 | 19.87                    | 19.86                  |                     |          |  |
| 10                   | 64QAM      | 25      | 12        | 19.74                 | 19.82                    | 19.79                  | 21                  | 3        |  |
| 10                   | 64QAM      | 25      | 25        | 19.78                 | 19.76                    | 19.73                  |                     |          |  |
| 10                   | 64QAM      | 50      | 0         | 19.78                 | 19.84                    | 19.74                  |                     |          |  |
| 10                   | 256QAM     | 1       | 0         | 17.82                 | 17.94                    | 17.85                  | 19                  | 5        |  |
| 10                   | 256QAM     | 1       | 25        | 17.81                 | 17.86                    | 17.84                  |                     |          |  |
| 10                   | 256QAM     | 1       | 49        | 17.71                 | 17.74                    | 17.66                  |                     |          |  |
| 10                   | 256QAM     | 25      | 0         | 17.97                 | 17.92                    | 17.91                  | 19                  | 5        |  |
| 10                   | 256QAM     | 25      | 12        | 17.89                 | 17.86                    | 17.89                  |                     |          |  |
| 10                   | 256QAM     | 25      | 25        | 17.76                 | 17.80                    | 17.72                  |                     |          |  |
| 10                   | 256QAM     | 50      | 0         | 17.68                 | 17.81                    | 17.72                  |                     |          |  |
| Channel              |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                    | QPSK       | 1       | 0         | 22.75                 | 22.82                    | 22.68                  | 24                  | 0        |  |
| 5                    | QPSK       | 1       | 12        | 22.67                 | 22.78                    | 22.80                  |                     |          |  |
| 5                    | QPSK       | 1       | 24        | 22.77                 | 22.69                    | 22.83                  |                     |          |  |
| 5                    | QPSK       | 12      | 0         | 21.74                 | 21.84                    | 21.81                  | 23                  | 1        |  |
| 5                    | QPSK       | 12      | 7         | 21.66                 | 21.73                    | 21.73                  |                     |          |  |
| 5                    | QPSK       | 12      | 13        | 21.76                 | 21.72                    | 21.71                  |                     |          |  |
| 5                    | QPSK       | 25      | 0         | 21.68                 | 21.75                    | 21.68                  | 23                  | 1        |  |
| 5                    | 16QAM      | 1       | 0         | 21.74                 | 21.85                    | 21.82                  |                     |          |  |
| 5                    | 16QAM      | 1       | 12        | 21.78                 | 21.89                    | 21.83                  |                     |          |  |
| 5                    | 16QAM      | 1       | 24        | 21.66                 | 21.67                    | 21.76                  | 22                  | 2        |  |
| 5                    | 16QAM      | 12      | 0         | 20.75                 | 20.86                    | 20.79                  |                     |          |  |
| 5                    | 16QAM      | 12      | 7         | 20.76                 | 20.81                    | 20.78                  |                     |          |  |
| 5                    | 16QAM      | 12      | 13        | 20.70                 | 20.72                    | 20.67                  | 22                  | 2        |  |
| 5                    | 16QAM      | 25      | 0         | 20.67                 | 20.79                    | 20.68                  |                     |          |  |
| 5                    | 64QAM      | 1       | 0         | 20.75                 | 20.81                    | 20.80                  |                     |          |  |
| 5                    | 64QAM      | 1       | 12        | 20.74                 | 20.82                    | 20.70                  | 22                  | 2        |  |
| 5                    | 64QAM      | 1       | 24        | 20.66                 | 20.69                    | 20.74                  |                     |          |  |
| 5                    | 64QAM      | 12      | 0         | 19.76                 | 19.85                    | 19.84                  |                     |          |  |
| 5                    | 64QAM      | 12      | 7         | 19.70                 | 19.79                    | 19.74                  | 21                  | 3        |  |
| 5                    | 64QAM      | 12      | 13        | 19.66                 | 19.71                    | 19.66                  |                     |          |  |
| 5                    | 64QAM      | 25      | 0         | 19.71                 | 19.80                    | 19.78                  |                     |          |  |
| 5                    | 256QAM     | 1       | 0         | 17.71                 | 17.88                    | 17.75                  | 19                  | 5        |  |
| 5                    | 256QAM     | 1       | 12        | 17.67                 | 17.83                    | 17.77                  |                     |          |  |
| 5                    | 256QAM     | 1       | 24        | 17.70                 | 17.66                    | 17.69                  |                     |          |  |
| 5                    | 256QAM     | 12      | 0         | 17.85                 | 17.93                    | 17.81                  | 19                  | 5        |  |
| 5                    | 256QAM     | 12      | 7         | 17.77                 | 17.83                    | 17.83                  |                     |          |  |
| 5                    | 256QAM     | 12      | 13        | 17.69                 | 17.74                    | 17.74                  |                     |          |  |
| 5                    | 256QAM     | 25      | 0         | 17.66                 | 17.78                    | 17.71                  |                     |          |  |

| Band 41 An1 Default |            |         |           |                       |                              |                          |                               |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz)     |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 22.88                 | 22.69                        | 22.94                    | 22.79                         | 22.80                  | 24                  | 0        |
| 20                  | QPSK       | 1       | 49        | 22.78                 | 22.73                        | 22.86                    | 22.78                         | 22.72                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 22.73                 | 22.66                        | 22.75                    | 22.72                         | 22.79                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 21.78                 | 21.81                        | 21.92                    | 21.77                         | 21.83                  |                     |          |
| 20                  | QPSK       | 50      | 24        | 21.68                 | 21.67                        | 21.79                    | 21.75                         | 21.71                  | 23                  | 1        |
| 20                  | QPSK       | 50      | 50        | 21.66                 | 21.72                        | 21.72                    | 21.73                         | 21.72                  |                     |          |
| 20                  | QPSK       | 100     | 0         | 21.77                 | 21.78                        | 21.88                    | 21.73                         | 21.71                  |                     |          |
| 20                  | 16QAM      | 1       | 0         | 21.80                 | 21.81                        | 21.84                    | 21.80                         | 21.77                  |                     |          |
| 20                  | 16QAM      | 1       | 49        | 21.81                 | 21.84                        | 21.86                    | 21.81                         | 21.84                  | 23                  | 1        |
| 20                  | 16QAM      | 1       | 99        | 21.75                 | 21.68                        | 21.67                    | 21.79                         | 21.82                  |                     |          |
| 20                  | 16QAM      | 50      | 0         | 20.77                 | 20.80                        | 20.89                    | 20.78                         | 20.82                  |                     |          |
| 20                  | 16QAM      | 50      | 24        | 20.73                 | 20.75                        | 20.84                    | 20.76                         | 20.82                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 20.70                 | 20.69                        | 20.71                    | 20.68                         | 20.70                  | 22                  | 2        |
| 20                  | 16QAM      | 100     | 0         | 20.69                 | 20.68                        | 20.82                    | 20.69                         | 20.72                  |                     |          |
| 20                  | 64QAM      | 1       | 0         | 20.75                 | 20.80                        | 20.86                    | 20.73                         | 20.78                  |                     |          |
| 20                  | 64QAM      | 1       | 49        | 20.74                 | 20.72                        | 20.84                    | 20.74                         | 20.71                  |                     |          |
| 20                  | 64QAM      | 1       | 99        | 20.67                 | 20.69                        | 20.70                    | 20.71                         | 20.72                  | 22                  | 2        |
| 20                  | 64QAM      | 50      | 0         | 19.80                 | 19.82                        | 19.89                    | 19.80                         | 19.80                  |                     |          |
| 20                  | 64QAM      | 50      | 24        | 19.75                 | 19.67                        | 19.81                    | 19.69                         | 19.75                  |                     |          |
| 20                  | 64QAM      | 50      | 50        | 19.70                 | 19.67                        | 19.75                    | 19.66                         | 19.67                  |                     |          |
| 20                  | 64QAM      | 100     | 0         | 19.68                 | 19.69                        | 19.75                    | 19.72                         | 19.75                  | 21                  | 3        |
| 20                  | 256QAM     | 1       | 0         | 17.73                 | 17.77                        | 17.83                    | 17.73                         | 17.72                  |                     |          |
| 20                  | 256QAM     | 1       | 49        | 17.79                 | 17.74                        | 17.85                    | 17.75                         | 17.76                  |                     |          |
| 20                  | 256QAM     | 1       | 99        | 17.77                 | 17.69                        | 17.75                    | 17.74                         | 17.73                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 17.86                 | 17.79                        | 17.93                    | 17.87                         | 17.81                  | 19                  | 5        |
| 20                  | 256QAM     | 50      | 24        | 17.74                 | 17.79                        | 17.86                    | 17.77                         | 17.72                  |                     |          |
| 20                  | 256QAM     | 50      | 50        | 17.69                 | 17.66                        | 17.78                    | 17.71                         | 17.68                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 17.70                 | 17.70                        | 17.78                    | 17.70                         | 17.72                  |                     |          |
| Channel             |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)     |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15                  | QPSK       | 1       | 0         | 22.89                 | 22.68                        | 22.91                    | 22.78                         | 22.79                  | 24.0                | 0        |
| 15                  | QPSK       | 1       | 37        | 22.78                 | 22.70                        | 22.84                    | 22.76                         | 22.72                  |                     |          |
| 15                  | QPSK       | 1       | 74        | 22.75                 | 22.67                        | 22.79                    | 22.73                         | 22.82                  |                     |          |
| 15                  | QPSK       | 36      | 0         | 21.76                 | 21.83                        | 21.88                    | 21.79                         | 21.82                  |                     |          |
| 15                  | QPSK       | 36      | 20        | 21.72                 | 21.69                        | 21.78                    | 21.68                         | 21.68                  | 23                  | 1        |
| 15                  | QPSK       | 36      | 39        | 21.68                 | 21.69                        | 21.74                    | 21.67                         | 21.71                  |                     |          |
| 15                  | QPSK       | 75      | 0         | 21.77                 | 21.77                        | 21.85                    | 21.73                         | 21.73                  |                     |          |
| 15                  | 16QAM      | 1       | 0         | 21.82                 | 21.81                        | 21.91                    | 21.78                         | 21.76                  |                     |          |
| 15                  | 16QAM      | 1       | 37        | 21.80                 | 21.84                        | 21.94                    | 21.80                         | 21.82                  | 23                  | 1        |
| 15                  | 16QAM      | 1       | 74        | 21.76                 | 21.70                        | 21.70                    | 21.77                         | 21.80                  |                     |          |
| 15                  | 16QAM      | 36      | 0         | 20.73                 | 20.80                        | 20.92                    | 20.81                         | 20.83                  |                     |          |
| 15                  | 16QAM      | 36      | 20        | 20.77                 | 20.73                        | 20.82                    | 20.74                         | 20.75                  |                     |          |
| 15                  | 16QAM      | 36      | 39        | 20.72                 | 20.67                        | 20.73                    | 20.69                         | 20.68                  | 22                  | 2        |
| 15                  | 16QAM      | 75      | 0         | 20.73                 | 20.67                        | 20.85                    | 20.67                         | 20.70                  |                     |          |
| 15                  | 64QAM      | 1       | 0         | 20.73                 | 20.79                        | 20.88                    | 20.69                         | 20.81                  |                     |          |
| 15                  | 64QAM      | 1       | 37        | 20.71                 | 20.67                        | 20.83                    | 20.75                         | 20.68                  |                     |          |
| 15                  | 64QAM      | 1       | 74        | 20.68                 | 20.71                        | 20.72                    | 20.70                         | 20.68                  | 22                  | 2        |
| 15                  | 64QAM      | 36      | 0         | 19.82                 | 19.83                        | 19.89                    | 19.77                         | 19.82                  |                     |          |
| 15                  | 64QAM      | 36      | 20        | 19.75                 | 19.73                        | 19.80                    | 19.70                         | 19.73                  |                     |          |
| 15                  | 64QAM      | 36      | 39        | 19.72                 | 19.69                        | 19.75                    | 19.68                         | 19.68                  |                     |          |
| 15                  | 64QAM      | 75      | 0         | 19.71                 | 19.68                        | 19.72                    | 19.71                         | 19.70                  | 21                  | 3        |
| 15                  | 256QAM     | 1       | 0         | 17.72                 | 17.80                        | 17.81                    | 17.72                         | 17.73                  |                     |          |
| 15                  | 256QAM     | 1       | 37        | 17.79                 | 17.77                        | 17.88                    | 17.79                         | 17.74                  |                     |          |
| 15                  | 256QAM     | 1       | 74        | 17.74                 | 17.72                        | 17.84                    | 17.73                         | 17.70                  |                     |          |
| 15                  | 256QAM     | 36      | 0         | 17.83                 | 17.76                        | 17.92                    | 17.84                         | 17.81                  | 19                  | 5        |
| 15                  | 256QAM     | 36      | 20        | 17.75                 | 17.77                        | 17.80                    | 17.75                         | 17.74                  |                     |          |
| 15                  | 256QAM     | 36      | 39        | 17.67                 | 17.69                        | 17.80                    | 17.69                         | 17.71                  |                     |          |
| 15                  | 256QAM     | 75      | 0         | 17.70                 | 17.67                        | 17.77                    | 17.64                         | 17.69                  |                     |          |
| Channel             |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)     |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10                  | QPSK       | 1       | 0         | 22.88                 | 22.66                        | 22.87                    | 22.77                         | 22.82                  | 24.0                | 0        |
| 10                  | QPSK       | 1       | 25        | 22.74                 | 22.69                        | 22.83                    | 22.74                         | 22.71                  |                     |          |
| 10                  | QPSK       | 1       | 49        | 22.72                 | 22.66                        | 22.73                    | 22.71                         | 22.78                  |                     |          |
| 10                  | QPSK       | 25      | 0         | 21.75                 | 21.82                        | 21.90                    | 21.77                         | 21.85                  |                     |          |
| 10                  | QPSK       | 25      | 12        | 21.68                 | 21.66                        | 21.80                    | 21.73                         | 21.69                  | 23                  | 1        |
| 10                  | QPSK       | 25      | 25        | 21.67                 | 21.72                        | 21.73                    | 21.69                         | 21.71                  |                     |          |
| 10                  | QPSK       | 50      | 0         | 21.77                 | 21.77                        | 21.85                    | 21.72                         | 21.72                  |                     |          |
| 10                  | 16QAM      | 1       | 0         | 21.81                 | 21.83                        | 21.91                    | 21.80                         | 21.77                  |                     |          |
| 10                  | 16QAM      | 1       | 25        | 21.79                 | 21.86                        | 21.92                    | 21.81                         | 21.80                  | 23                  | 1        |
| 10                  | 16QAM      | 1       | 49        | 21.77                 | 21.70                        | 21.68                    | 21.75                         | 21.85                  |                     |          |
| 10                  | 16QAM      | 25      | 0         | 20.77                 | 20.76                        | 20.90                    | 20.81                         | 20.84                  |                     |          |
| 10                  | 16QAM      | 25      | 12        | 20.73                 | 20.74                        | 20.83                    | 20.76                         | 20.74                  |                     |          |
| 10                  | 16QAM      | 25      | 25        | 20.73                 | 20.67                        | 20.72                    | 20.68                         | 20.72                  | 22                  | 2        |
| 10                  | 16QAM      | 50      | 0         | 20.67                 | 20.72                        | 20.85                    | 20.70                         | 20.70                  |                     |          |
| 10                  | 64QAM      | 1       | 0         | 20.73                 | 20.82                        | 20.85                    | 20.76                         | 20.79                  |                     |          |
| 10                  | 64QAM      | 1       | 25        | 20.75                 | 20.71                        | 20.80                    | 20.78                         | 20.67                  |                     |          |
| 10                  | 64QAM      | 1       | 49        | 20.73                 | 20.70                        | 20.67                    | 20.70                         | 20.69                  | 22                  | 2        |
| 10                  | 64QAM      | 25      | 0         | 19.81                 | 19.83                        | 19.90                    | 19.76                         | 19.76                  |                     |          |
| 10                  | 64QAM      | 25      | 12        | 19.75                 | 19.69                        | 19.77                    | 19.69                         | 19.73                  |                     |          |
| 10                  | 64QAM      | 25      | 25        | 19.72                 | 19.72                        | 19.75                    | 19.68                         | 19.68                  |                     |          |
| 10                  | 64QAM      | 50      | 0         | 19.71                 | 19.69                        | 19.75                    | 19.70                         | 19.68                  | 19                  | 5        |
| 10                  | 256QAM     | 1       | 0         | 17.74                 | 17.77                        | 17.82                    | 17.77                         | 17.70                  |                     |          |
| 10                  | 256QAM     | 1       | 25        | 17.76                 | 17.74                        | 17.83                    | 17.77                         | 17.74                  |                     |          |
| 10                  | 256QAM     | 1       | 49        | 17.79                 | 17.68                        | 17.70                    | 17.67                         | 17.72                  |                     |          |
| 10                  | 256QAM     | 25      | 0         | 17.85                 | 17.78                        | 17.94                    | 17.91                         | 17.80                  | 19                  | 5        |
| 10                  | 256QAM     | 25      | 12        | 17.78                 | 17.78                        | 17.82                    | 17.76                         | 17.73                  |                     |          |
| 10                  | 256QAM     | 25      | 25        | 17.72                 | 17.65                        | 17.79                    | 17.73                         | 17.68                  |                     |          |
| 10                  | 256QAM     | 50      | 0         | 17.67                 | 17.67                        | 17.81                    | 17.67                         | 17.69                  |                     |          |
| Channel             |            |         |           | 39675                 | 40148                        | 40620                    | 41093                         | 41555                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)     |            |         |           | 2498.5                | 2545.8                       | 2593                     | 2640.30                       | 2687.5                 |                     |          |
| 5                   | QPSK       | 1       | 0         | 22.88                 | 22.69                        | 22.91                    | 22.76                         | 22.83                  | 24.0                | 0        |
| 5                   | QPSK       | 1       | 12        | 22.79                 | 22.75                        | 22.90                    | 22.79                         | 22.70                  |                     |          |
| 5                   | QPSK       | 1       | 24        | 22.75                 | 22.67                        | 22.72                    | 22.73                         | 22.75                  |                     |          |
| 5                   | QPSK       | 12      | 0         | 21.77                 | 21.79                        | 21.89                    | 21.73                         | 21.84                  |                     |          |
| 5                   | QPSK       | 12      | 7         | 21.68                 | 21.70                        | 21.80                    | 21.71                         | 21.69                  | 23                  | 1        |
| 5                   | QPSK       | 12      | 13        | 21.66                 | 21.69                        | 21.75                    | 21.69                         | 21.67                  |                     |          |
| 5                   | QPSK       | 25      | 0         | 21.76                 | 21.80                        | 21.86                    | 21.74                         | 21.68                  |                     |          |
| 5                   | 16QAM      | 1       | 0         | 21.76                 | 21.78                        | 21.87                    | 21.78                         | 21.79                  |                     |          |
| 5                   | 16QAM      | 1       | 12        | 21.82                 | 21.86                        | 21.92                    | 21.83                         | 21.86                  | 23                  | 1        |
| 5                   | 16QAM      | 1       | 24        | 21.76                 | 21.67                        | 21.67                    | 21.81                         | 21.80                  |                     |          |
| 5                   | 16QAM      | 12      | 0         | 20.76                 | 20.78                        | 20.88                    | 20.82                         | 20.83                  |                     |          |
| 5                   | 16QAM      | 12      | 7         | 20.73                 | 20.78                        | 20.87                    | 20.76                         | 20.73                  |                     |          |
| 5                   | 16QAM      | 12      | 13        | 20.67                 | 20.71                        | 20.69                    | 20.70                         | 20.73                  | 22                  | 2        |
| 5                   | 16QAM      | 25      | 0         | 20.70                 | 20.67                        | 20.82                    | 20.72                         | 20.74                  |                     |          |
| 5                   | 64QAM      | 1       | 0         | 20.76                 | 20.81                        | 20.89                    | 20.72                         | 20.77                  |                     |          |
| 5                   | 64QAM      | 1       | 12        | 20.76                 | 20.71                        | 20.82                    | 20.73                         | 20.75                  |                     |          |
| 5                   | 64QAM      | 1       | 24        | 20.69                 | 20.65                        | 20.73                    | 20.68                         | 20.72                  | 22                  | 2        |
| 5                   | 64QAM      | 12      | 0         | 19.77                 | 19.84                        | 19.89                    | 19.82                         | 19.78                  |                     |          |
| 5                   | 64QAM      | 12      | 7         | 19.78                 | 19.67                        | 19.81                    | 19.72                         | 19.75                  |                     |          |
| 5                   | 64QAM      | 12      | 13        | 19.66                 | 19.68                        | 19.77                    | 19.66                         | 19.69                  |                     |          |
| 5                   | 256QAM     | 25      | 0         | 19.70                 | 19.68                        | 19.78                    | 19.73                         | 19.71                  | 19                  | 5        |
| 5                   | 256QAM     | 1       | 0         | 17.73                 | 17.75                        | 17.82                    | 17.73                         | 17.74                  |                     |          |
| 5                   | 256QAM     | 1       | 12        | 17.78                 | 17.71                        | 17.85                    | 17.72                         | 17.73                  |                     |          |
| 5                   | 256QAM     | 1       | 24        | 17.78                 | 17.68                        | 17.67                    | 17.66                         | 17.66                  |                     |          |
| 5                   | 256QAM     | 12      | 0         | 17.87                 | 17.77                        | 17.97                    | 17.88                         | 17.82                  | 19                  | 5        |
| 5                   | 256QAM     | 12      | 7         | 17.77                 | 17.82                        | 17.88                    | 17.75                         | 17.69                  |                     |          |
| 5                   | 256QAM     | 12      | 13        | 17.66                 | 17.66                        | 17.75                    | 17.73                         | 17.70                  |                     |          |
| 5                   | 256QAM     | 25      | 0         | 17.67                 | 17.72                        | 17.74                    | 17.63                         | 17.75                  |                     |          |

### GSM1900 Ant2 Default

| GSM1900         | Burst Average Power (dbm) |       |        | Tune-up Limit (dbm) | Frame Average Power (dbm) |       |        | Tune-up Limit (dbm) |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
|                 | TX Channel                | 661   | 810    |                     | 512                       | 661   | 810    |                     |
| Frequency (MHz) | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot   | 29.78                     | 29.86 | 29.81  | 31.50               | 20.78                     | 20.86 | 20.81  | 22.50               |
| GPRS 1 Tx slot  | 29.78                     | 29.81 | 29.76  | 31.50               | 20.78                     | 20.81 | 20.76  | 22.50               |
| GPRS 2 Tx slots | 26.79                     | 26.94 | 26.85  | 28.50               | 20.79                     | 20.94 | 20.85  | 22.50               |
| GPRS 3 Tx slots | 25.08                     | 25.12 | 25.01  | 27.00               | 20.82                     | 20.86 | 20.75  | 22.74               |
| GPRS 4 Tx slots | 23.62                     | 23.74 | 23.95  | 25.50               | 20.62                     | 20.74 | 20.59  | 22.50               |
| EDGE 1 Tx slot  | 25.69                     | 25.82 | 25.72  | 27.00               | 16.69                     | 16.82 | 16.72  | 18.00               |
| EDGE 2 Tx slots | 22.61                     | 22.71 | 22.63  | 24.00               | 16.61                     | 16.71 | 16.63  | 18.00               |
| EDGE 3 Tx slots | 20.74                     | 20.80 | 20.71  | 22.00               | 16.48                     | 16.54 | 16.45  | 17.74               |
| EDGE 4 Tx slots | 18.99                     | 19.14 | 19.04  | 20.50               | 15.99                     | 16.14 | 16.04  | 17.50               |

### WCDMA II Ant2 Default

### WCDMA IV Ant2 Default

| Band                               | WCDMA II   |       |        | Tune-up Limit (dbm) | WCDMA IV |        |        | Tune-up Limit (dbm) |
|------------------------------------|------------|-------|--------|---------------------|----------|--------|--------|---------------------|
|                                    | TX Channel | 9252  | 9400   |                     | 1312     | 1413   | 1513   |                     |
| Rx Channel                         | 9662       | 9800  | 9938   |                     | 1537     | 1638   | 1738   |                     |
| Frequency (MHz)                    | 1852.4     | 1880  | 1907.6 |                     | 1712.4   | 1732.6 | 1752.6 |                     |
| 3GPP Rel 99 AMR 12.2Kbps           | 23.67      | 23.71 | 23.61  | 25.50               | 23.73    | 23.96  | 23.93  | 25.50               |
| 3GPP Rel 99 RMC 12.2Kbps           | 23.76      | 23.82 | 23.65  | 25.50               | 23.77    | 24.06  | 23.91  | 25.50               |
| 3GPP Rel 6 HSDPA Subtest-1         | 22.78      | 22.74 | 22.61  | 24.50               | 22.87    | 23.00  | 22.76  | 24.50               |
| 3GPP Rel 6 HSDPA Subtest-2         | 22.78      | 22.77 | 22.66  | 24.50               | 22.85    | 23.08  | 22.77  | 24.50               |
| 3GPP Rel 6 HSDPA Subtest-3         | 22.32      | 22.34 | 22.20  | 24.00               | 22.45    | 22.60  | 22.32  | 24.00               |
| 3GPP Rel 6 HSDPA Subtest-4         | 22.25      | 22.28 | 22.08  | 24.00               | 22.32    | 22.53  | 22.20  | 24.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-1      | 22.71      | 22.76 | 22.56  | 24.50               | 22.89    | 22.99  | 22.82  | 24.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-2      | 22.76      | 22.77 | 22.66  | 24.50               | 22.89    | 23.10  | 22.75  | 24.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-3      | 22.28      | 22.27 | 22.17  | 24.00               | 22.37    | 22.55  | 22.40  | 24.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-4      | 22.20      | 22.24 | 22.06  | 24.00               | 22.34    | 22.54  | 22.17  | 24.00               |
| 3GPP Rel 6 HSUPA Subtest-1         | 22.73      | 22.72 | 22.54  | 24.50               | 22.91    | 23.03  | 22.79  | 24.50               |
| 3GPP Rel 6 HSUPA Subtest-2         | 20.74      | 20.74 | 20.59  | 22.50               | 20.92    | 20.99  | 20.76  | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-3         | 21.74      | 21.77 | 21.64  | 23.50               | 21.96    | 22.01  | 21.74  | 23.50               |
| 3GPP Rel 6 HSUPA Subtest-4         | 20.74      | 20.75 | 20.63  | 22.50               | 20.89    | 21.01  | 20.79  | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-5         | 22.75      | 22.78 | 22.61  | 24.50               | 22.93    | 23.04  | 22.78  | 24.50               |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 20.21      | 20.35 | 20.31  | 22.00               | 20.42    | 20.56  | 20.41  | 22.00               |

| Band 2 Ant2 Default |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
|---------------------|------------|---------|-----------|--------------------------|--------------------------|--------------------------|---------------------|-------------|----|---|--|--|--|--|--|--|
| BS (MHz)            | Modulation | RB Size | RB Offset | Power<br>Lvl<br>Ch./Freq | Power<br>Lvl<br>Ch./Freq | Power<br>Lvl<br>Ch./Freq | Time-up<br>Int. (s) | MPR<br>(dB) |    |   |  |  |  |  |  |  |
| Channel             |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
| Frequency (MHz)     |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
| 20                  | QPSK       | 1       | 0         | 23.50                    | 23.58                    | 23.61                    |                     |             | 25 | 0 |  |  |  |  |  |  |
| 20                  | QPSK       | 1       | 49        | 23.48                    | 23.57                    | 23.45                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | QPSK       | 1       | 99        | 23.43                    | 23.53                    | 23.41                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | QPSK       | 50      | 0         | 22.48                    | 22.60                    | 22.49                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | QPSK       | 50      | 24        | 22.41                    | 22.54                    | 22.43                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | QPSK       | 50      | 49        | 22.41                    | 22.50                    | 22.41                    |                     |             | 24 | 1 |  |  |  |  |  |  |
| 20                  | QPSK       | 100     | 0         | 22.43                    | 22.57                    | 22.45                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 0         | 22.40                    | 22.52                    | 22.45                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 49        | 22.40                    | 22.53                    | 22.47                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 99        | 22.42                    | 22.50                    | 22.38                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 0         | 21.46                    | 21.57                    | 21.51                    |                     |             | 23 | 2 |  |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 24        | 21.42                    | 21.56                    | 21.41                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 49        | 21.40                    | 21.46                    | 21.36                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 100     | 0         | 21.41                    | 21.54                    | 21.43                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 0         | 21.36                    | 21.44                    | 21.44                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 49        | 21.28                    | 21.41                    | 21.31                    |                     |             | 23 | 2 |  |  |  |  |  |  |
| 20                  | 16QAM      | 1       | 99        | 21.34                    | 21.40                    | 21.30                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 0         | 20.39                    | 20.49                    | 20.35                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 24        | 20.39                    | 20.49                    | 20.35                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 16QAM      | 50      | 49        | 20.36                    | 20.47                    | 20.38                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 256QAM     | 100     | 0         | 20.47                    | 20.55                    | 20.49                    |                     |             | 20 | 5 |  |  |  |  |  |  |
| 20                  | 256QAM     | 1       | 0         | 19.52                    | 19.58                    | 19.52                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 256QAM     | 1       | 49        | 18.49                    | 18.50                    | 18.41                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 256QAM     | 1       | 99        | 18.37                    | 18.48                    | 18.42                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 256QAM     | 50      | 0         | 18.44                    | 18.50                    | 18.36                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 256QAM     | 50      | 24        | 18.38                    | 18.38                    | 18.27                    |                     |             | 20 | 5 |  |  |  |  |  |  |
| 20                  | 256QAM     | 50      | 49        | 18.36                    | 18.45                    | 18.34                    |                     |             |    |   |  |  |  |  |  |  |
| 20                  | 256QAM     | 100     | 0         | 18.27                    | 18.32                    | 18.24                    |                     |             |    |   |  |  |  |  |  |  |
| Channel             |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
| Frequency (MHz)     |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
| 15                  | QPSK       | 1       | 0         | 22.43                    | 22.43                    | 22.43                    |                     |             | 25 | 0 |  |  |  |  |  |  |
| 15                  | QPSK       | 1       | 37        | 22.38                    | 22.45                    | 22.33                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | QPSK       | 1       | 74        | 22.38                    | 22.44                    | 22.29                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | QPSK       | 36      | 0         | 22.39                    | 22.52                    | 22.49                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | QPSK       | 36      | 36        | 22.48                    | 22.48                    | 22.33                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | QPSK       | 36      | 39        | 22.32                    | 22.38                    | 22.25                    |                     |             | 24 | 1 |  |  |  |  |  |  |
| 15                  | QPSK       | 36      | 75        | 22.38                    | 22.42                    | 22.29                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 1       | 0         | 22.29                    | 22.45                    | 22.34                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 1       | 37        | 22.32                    | 22.40                    | 22.29                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 1       | 74        | 22.31                    | 22.44                    | 22.23                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 36      | 0         | 21.39                    | 21.47                    | 21.36                    |                     |             | 23 | 2 |  |  |  |  |  |  |
| 15                  | 16QAM      | 36      | 20        | 21.36                    | 21.43                    | 21.28                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 36      | 39        | 21.28                    | 21.37                    | 21.25                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 75      | 0         | 21.33                    | 21.47                    | 21.33                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 1       | 0         | 21.31                    | 21.37                    | 21.33                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 1       | 37        | 21.21                    | 21.29                    | 21.27                    |                     |             | 23 | 2 |  |  |  |  |  |  |
| 15                  | 16QAM      | 1       | 74        | 21.23                    | 21.32                    | 21.21                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 36      | 0         | 20.43                    | 20.55                    | 20.40                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 36      | 20        | 20.30                    | 20.40                    | 20.29                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 36      | 39        | 20.34                    | 20.37                    | 20.28                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 16QAM      | 75      | 0         | 20.37                    | 20.45                    | 20.36                    |                     |             | 20 | 5 |  |  |  |  |  |  |
| 15                  | 256QAM     | 1       | 0         | 18.40                    | 18.46                    | 18.41                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 256QAM     | 1       | 37        | 18.27                    | 18.42                    | 18.34                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 256QAM     | 1       | 74        | 18.25                    | 18.39                    | 18.31                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 256QAM     | 36      | 0         | 18.32                    | 18.44                    | 18.32                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 256QAM     | 36      | 20        | 18.16                    | 18.25                    | 18.12                    |                     |             | 20 | 5 |  |  |  |  |  |  |
| 15                  | 256QAM     | 36      | 39        | 18.25                    | 18.38                    | 18.23                    |                     |             |    |   |  |  |  |  |  |  |
| 15                  | 256QAM     | 75      | 0         | 18.19                    | 18.25                    | 18.22                    |                     |             |    |   |  |  |  |  |  |  |
| Channel             |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
| Frequency (MHz)     |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
| 10                  | QPSK       | 1       | 0         | 23.39                    | 23.50                    | 23.32                    |                     |             | 25 | 0 |  |  |  |  |  |  |
| 10                  | QPSK       | 1       | 25        | 23.36                    | 23.46                    | 23.36                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | QPSK       | 1       | 49        | 23.32                    | 23.48                    | 23.32                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | QPSK       | 25      | 0         | 22.40                    | 22.54                    | 22.43                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | QPSK       | 25      | 12        | 22.31                    | 22.44                    | 22.32                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | QPSK       | 25      | 25        | 22.32                    | 22.44                    | 22.36                    |                     |             | 24 | 1 |  |  |  |  |  |  |
| 10                  | QPSK       | 50      | 0         | 22.32                    | 22.44                    | 22.38                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 1       | 0         | 22.30                    | 22.44                    | 22.33                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 1       | 24        | 22.32                    | 22.39                    | 22.39                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 1       | 49        | 22.33                    | 22.41                    | 22.37                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 25      | 0         | 21.36                    | 21.48                    | 21.43                    |                     |             | 23 | 2 |  |  |  |  |  |  |
| 10                  | 16QAM      | 25      | 12        | 21.32                    | 21.43                    | 21.32                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 25      | 25        | 21.33                    | 21.34                    | 21.23                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 50      | 0         | 21.30                    | 21.41                    | 21.37                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 1       | 25        | 21.15                    | 21.28                    | 21.21                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 1       | 49        | 21.27                    | 21.29                    | 21.22                    |                     |             | 23 | 2 |  |  |  |  |  |  |
| 10                  | 16QAM      | 25      | 0         | 20.32                    | 20.49                    | 20.42                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 25      | 12        | 20.28                    | 20.38                    | 20.25                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 25      | 25        | 20.28                    | 20.40                    | 20.24                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 16QAM      | 50      | 0         | 20.39                    | 20.42                    | 20.37                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 256QAM     | 1       | 0         | 18.44                    | 18.51                    | 18.39                    |                     |             | 20 | 5 |  |  |  |  |  |  |
| 10                  | 256QAM     | 1       | 25        | 18.30                    | 18.40                    | 18.29                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 256QAM     | 1       | 49        | 18.29                    | 18.38                    | 18.34                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 256QAM     | 25      | 0         | 18.33                    | 18.43                    | 18.31                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 256QAM     | 25      | 12        | 18.20                    | 18.27                    | 18.14                    |                     |             |    |   |  |  |  |  |  |  |
| 10                  | 256QAM     | 25      | 25        | 18.28                    | 18.34                    | 18.22                    |                     |             | 20 | 5 |  |  |  |  |  |  |
| 10                  | 256QAM     | 50      | 0         | 18.31                    | 18.25                    | 18.24                    |                     |             |    |   |  |  |  |  |  |  |
| Channel             |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
| Frequency (MHz)     |            |         |           |                          |                          |                          |                     |             |    |   |  |  |  |  |  |  |
| 5                   | QPSK       | 1       | 0         | 22.43                    | 22.43                    | 22.43                    |                     |             | 25 | 0 |  |  |  |  |  |  |
| 5                   | QPSK       | 1       | 12        | 22.35                    | 22.50                    | 22.37                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | QPSK       | 1       | 24        | 22.32                    | 22.44                    | 22.32                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | QPSK       | 12      | 0         | 22.36                    | 22.48                    | 22.37                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | QPSK       | 12      | 12        | 22.28                    | 22.48                    | 22.32                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | QPSK       | 12      | 13        | 22.34                    | 22.42                    | 22.29                    |                     |             | 24 | 1 |  |  |  |  |  |  |
| 5                   | QPSK       | 25      | 0         | 22.31                    | 22.44                    | 22.38                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | QPSK       | 25      | 1         | 22.28                    | 22.45                    | 22.33                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 1       | 12        | 22.31                    | 22.44                    | 22.29                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 1       | 24        | 22.30                    | 22.40                    | 22.26                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 12      | 0         | 21.39                    | 21.51                    | 21.44                    |                     |             | 23 | 2 |  |  |  |  |  |  |
| 5                   | 16QAM      | 12      | 7         | 21.35                    | 21.45                    | 21.34                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 12      | 13        | 21.32                    | 21.37                    | 21.23                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 25      | 0         | 21.28                    | 21.47                    | 21.33                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 1       | 0         | 21.25                    | 21.40                    | 21.35                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 1       | 12        | 21.21                    | 21.32                    | 21.22                    |                     |             | 23 | 2 |  |  |  |  |  |  |
| 5                   | 16QAM      | 1       | 12        | 21.27                    | 21.32                    | 21.20                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 12      | 0         | 20.41                    | 20.51                    | 20.38                    |                     |             |    |   |  |  |  |  |  |  |
| 5                   | 16QAM      | 12      | 7         | 20.30                    | 20.42                    | 20.29                    |                     |             |    |   |  |  |  |  |  |  |

| Band 38 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |  |
| Frequency (MHz)      |            |         |           | 2580                  | 2596                     | 2610                   |                     |          |  |  |
| 20                   | QPSK       | 1       | 0         | 23.55                 | 23.57                    | 23.52                  | 24.5                | 0        |  |  |
| 20                   | QPSK       | 1       | 49        | 23.40                 | 23.53                    | 23.45                  |                     |          |  |  |
| 20                   | QPSK       | 1       | 99        | 23.27                 | 23.35                    | 23.23                  |                     |          |  |  |
| 20                   | QPSK       | 50      | 0         | 22.52                 | 22.58                    | 22.45                  | 23.5                | 1        |  |  |
| 20                   | QPSK       | 50      | 24        | 22.36                 | 22.48                    | 22.36                  |                     |          |  |  |
| 20                   | QPSK       | 50      | 50        | 22.35                 | 22.41                    | 22.34                  |                     |          |  |  |
| 20                   | QPSK       | 100     | 0         | 22.45                 | 22.52                    | 22.43                  | 23.5                | 1        |  |  |
| 20                   | 16QAM      | 1       | 0         | 22.44                 | 22.47                    | 22.45                  |                     |          |  |  |
| 20                   | 16QAM      | 1       | 49        | 22.27                 | 22.38                    | 22.25                  |                     |          |  |  |
| 20                   | 16QAM      | 1       | 99        | 22.30                 | 22.38                    | 22.26                  |                     |          |  |  |
| 20                   | 16QAM      | 50      | 0         | 21.47                 | 21.55                    | 21.44                  |                     |          |  |  |
| 20                   | 16QAM      | 50      | 24        | 21.37                 | 21.48                    | 21.38                  | 22.5                | 2        |  |  |
| 20                   | 16QAM      | 50      | 50        | 21.24                 | 21.37                    | 21.26                  |                     |          |  |  |
| 20                   | 16QAM      | 100     | 0         | 21.34                 | 21.48                    | 21.36                  |                     |          |  |  |
| 20                   | 64QAM      | 1       | 0         | 21.50                 | 21.57                    | 21.48                  | 22.5                | 2        |  |  |
| 20                   | 64QAM      | 1       | 49        | 21.42                 | 21.50                    | 21.42                  |                     |          |  |  |
| 20                   | 64QAM      | 1       | 99        | 21.32                 | 21.29                    | 21.35                  |                     |          |  |  |
| 20                   | 64QAM      | 50      | 0         | 20.47                 | 20.54                    | 20.41                  | 21.5                | 3        |  |  |
| 20                   | 64QAM      | 50      | 24        | 20.39                 | 20.47                    | 20.40                  |                     |          |  |  |
| 20                   | 64QAM      | 50      | 50        | 20.33                 | 20.39                    | 20.30                  |                     |          |  |  |
| 20                   | 64QAM      | 100     | 0         | 20.41                 | 20.51                    | 20.44                  | 19.5                | 5        |  |  |
| 20                   | 256QAM     | 1       | 0         | 18.48                 | 18.55                    | 18.47                  |                     |          |  |  |
| 20                   | 256QAM     | 1       | 49        | 18.44                 | 18.53                    | 18.39                  |                     |          |  |  |
| 20                   | 256QAM     | 1       | 99        | 18.40                 | 18.30                    | 18.37                  |                     |          |  |  |
| 20                   | 256QAM     | 50      | 0         | 18.46                 | 18.58                    | 18.46                  |                     |          |  |  |
| 20                   | 256QAM     | 50      | 24        | 18.42                 | 18.52                    | 18.44                  | 19.5                | 5        |  |  |
| 20                   | 256QAM     | 50      | 50        | 18.34                 | 18.46                    | 18.34                  |                     |          |  |  |
| 20                   | 256QAM     | 100     | 0         | 18.34                 | 18.47                    | 18.40                  |                     |          |  |  |
| Channel              |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)      |            |         |           | 2577.5                | 2596                     | 2612.5                 |                     |          |  |  |
| 15                   | QPSK       | 1       | 0         | 23.45                 | 23.46                    | 23.42                  | 24.5                | 0        |  |  |
| 15                   | QPSK       | 1       | 37        | 23.27                 | 23.43                    | 23.34                  |                     |          |  |  |
| 15                   | QPSK       | 1       | 74        | 23.18                 | 23.23                    | 23.15                  |                     |          |  |  |
| 15                   | QPSK       | 36      | 0         | 22.44                 | 22.49                    | 22.37                  | 23.5                | 1        |  |  |
| 15                   | QPSK       | 36      | 20        | 22.24                 | 22.38                    | 22.25                  |                     |          |  |  |
| 15                   | QPSK       | 36      | 39        | 22.26                 | 22.30                    | 22.24                  |                     |          |  |  |
| 15                   | QPSK       | 75      | 0         | 22.34                 | 22.40                    | 22.35                  |                     |          |  |  |
| 15                   | 16QAM      | 1       | 0         | 22.31                 | 22.40                    | 22.33                  |                     |          |  |  |
| 15                   | 16QAM      | 1       | 37        | 22.16                 | 22.25                    | 22.16                  | 23.5                | 1        |  |  |
| 15                   | 16QAM      | 1       | 74        | 22.17                 | 22.29                    | 22.20                  |                     |          |  |  |
| 15                   | 16QAM      | 36      | 0         | 21.37                 | 21.46                    | 21.32                  |                     |          |  |  |
| 15                   | 16QAM      | 36      | 20        | 21.27                 | 21.38                    | 21.28                  | 22.5                | 2        |  |  |
| 15                   | 16QAM      | 36      | 39        | 21.15                 | 21.25                    | 21.16                  |                     |          |  |  |
| 15                   | 16QAM      | 75      | 0         | 21.26                 | 21.42                    | 21.29                  |                     |          |  |  |
| 15                   | 64QAM      | 1       | 0         | 21.42                 | 21.47                    | 21.38                  | 22.5                | 2        |  |  |
| 15                   | 64QAM      | 1       | 37        | 21.33                 | 21.37                    | 21.35                  |                     |          |  |  |
| 15                   | 64QAM      | 1       | 74        | 21.23                 | 21.15                    | 21.27                  |                     |          |  |  |
| 15                   | 64QAM      | 36      | 0         | 20.37                 | 20.43                    | 20.31                  |                     |          |  |  |
| 15                   | 64QAM      | 36      | 20        | 20.28                 | 20.38                    | 20.34                  |                     |          |  |  |
| 15                   | 64QAM      | 36      | 39        | 20.20                 | 20.27                    | 20.20                  | 21.5                | 3        |  |  |
| 15                   | 64QAM      | 75      | 0         | 20.33                 | 20.42                    | 20.35                  |                     |          |  |  |
| 15                   | 256QAM     | 1       | 0         | 18.38                 | 18.46                    | 18.36                  |                     |          |  |  |
| 15                   | 256QAM     | 1       | 37        | 18.31                 | 18.45                    | 18.32                  | 19.5                | 5        |  |  |
| 15                   | 256QAM     | 1       | 74        | 18.32                 | 18.18                    | 18.25                  |                     |          |  |  |
| 15                   | 256QAM     | 36      | 0         | 18.33                 | 18.49                    | 18.32                  |                     |          |  |  |
| 15                   | 256QAM     | 36      | 20        | 18.30                 | 18.41                    | 18.35                  | 19.5                | 5        |  |  |
| 15                   | 256QAM     | 36      | 39        | 18.22                 | 18.40                    | 18.24                  |                     |          |  |  |
| 15                   | 256QAM     | 75      | 0         | 18.25                 | 18.41                    | 18.29                  |                     |          |  |  |
| Channel              |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)      |            |         |           | 2575                  | 2596                     | 2615                   |                     |          |  |  |
| 10                   | QPSK       | 1       | 0         | 23.48                 | 23.50                    | 23.45                  | 24.5                | 0        |  |  |
| 10                   | QPSK       | 1       | 25        | 23.28                 | 23.46                    | 23.38                  |                     |          |  |  |
| 10                   | QPSK       | 1       | 49        | 23.16                 | 23.24                    | 23.16                  |                     |          |  |  |
| 10                   | QPSK       | 25      | 0         | 22.43                 | 22.47                    | 22.34                  | 23.5                | 1        |  |  |
| 10                   | QPSK       | 25      | 12        | 22.29                 | 22.39                    | 22.25                  |                     |          |  |  |
| 10                   | QPSK       | 25      | 25        | 22.23                 | 22.29                    | 22.22                  |                     |          |  |  |
| 10                   | QPSK       | 50      | 0         | 22.33                 | 22.39                    | 22.33                  |                     |          |  |  |
| 10                   | 16QAM      | 1       | 0         | 22.33                 | 22.34                    | 22.34                  |                     |          |  |  |
| 10                   | 16QAM      | 1       | 25        | 22.20                 | 22.28                    | 22.12                  | 23.5                | 1        |  |  |
| 10                   | 16QAM      | 1       | 49        | 22.22                 | 22.24                    | 22.18                  |                     |          |  |  |
| 10                   | 16QAM      | 25      | 0         | 21.39                 | 21.43                    | 21.37                  |                     |          |  |  |
| 10                   | 16QAM      | 25      | 12        | 21.25                 | 21.40                    | 21.27                  | 22.5                | 2        |  |  |
| 10                   | 16QAM      | 25      | 25        | 21.13                 | 21.25                    | 21.13                  |                     |          |  |  |
| 10                   | 16QAM      | 50      | 0         | 21.24                 | 21.38                    | 21.27                  |                     |          |  |  |
| 10                   | 64QAM      | 1       | 0         | 21.38                 | 21.45                    | 21.39                  |                     |          |  |  |
| 10                   | 64QAM      | 1       | 25        | 21.34                 | 21.42                    | 21.35                  |                     |          |  |  |
| 10                   | 64QAM      | 1       | 49        | 21.23                 | 21.20                    | 21.26                  | 22.5                | 2        |  |  |
| 10                   | 64QAM      | 25      | 0         | 20.38                 | 20.42                    | 20.29                  |                     |          |  |  |
| 10                   | 64QAM      | 25      | 12        | 20.27                 | 20.41                    | 20.29                  |                     |          |  |  |
| 10                   | 64QAM      | 25      | 25        | 20.26                 | 20.33                    | 20.23                  | 21.5                | 3        |  |  |
| 10                   | 64QAM      | 50      | 0         | 20.29                 | 20.40                    | 20.32                  |                     |          |  |  |
| 10                   | 256QAM     | 1       | 0         | 18.42                 | 18.44                    | 18.36                  |                     |          |  |  |
| 10                   | 256QAM     | 1       | 25        | 18.36                 | 18.43                    | 18.31                  | 19.5                | 5        |  |  |
| 10                   | 256QAM     | 1       | 49        | 18.28                 | 18.16                    | 18.26                  |                     |          |  |  |
| 10                   | 256QAM     | 25      | 0         | 18.39                 | 18.47                    | 18.36                  |                     |          |  |  |
| 10                   | 256QAM     | 25      | 12        | 18.31                 | 18.41                    | 18.32                  | 19.5                | 5        |  |  |
| 10                   | 256QAM     | 25      | 25        | 18.25                 | 18.33                    | 18.25                  |                     |          |  |  |
| 10                   | 256QAM     | 50      | 0         | 18.21                 | 18.37                    | 18.32                  |                     |          |  |  |
| Channel              |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)      |            |         |           | 2572.5                | 2596                     | 2617.5                 |                     |          |  |  |
| 5                    | QPSK       | 1       | 0         | 23.43                 | 23.44                    | 23.43                  | 24.5                | 0        |  |  |
| 5                    | QPSK       | 1       | 12        | 23.33                 | 23.41                    | 23.33                  |                     |          |  |  |
| 5                    | QPSK       | 1       | 24        | 23.19                 | 23.25                    | 23.14                  |                     |          |  |  |
| 5                    | QPSK       | 12      | 0         | 22.46                 | 22.48                    | 22.35                  | 23.5                | 1        |  |  |
| 5                    | QPSK       | 12      | 7         | 22.30                 | 22.39                    | 22.26                  |                     |          |  |  |
| 5                    | QPSK       | 12      | 13        | 22.26                 | 22.31                    | 22.28                  |                     |          |  |  |
| 5                    | QPSK       | 25      | 0         | 22.37                 | 22.38                    | 22.30                  |                     |          |  |  |
| 5                    | 16QAM      | 1       | 0         | 22.35                 | 22.39                    | 22.37                  |                     |          |  |  |
| 5                    | 16QAM      | 1       | 12        | 22.19                 | 22.24                    | 22.12                  | 23.5                | 1        |  |  |
| 5                    | 16QAM      | 1       | 24        | 22.22                 | 22.30                    | 22.15                  |                     |          |  |  |
| 5                    | 16QAM      | 12      | 0         | 21.40                 | 21.46                    | 21.36                  |                     |          |  |  |
| 5                    | 16QAM      | 12      | 7         | 21.30                 | 21.39                    | 21.31                  | 22.5                | 2        |  |  |
| 5                    | 16QAM      | 12      | 13        | 21.11                 | 21.25                    | 21.15                  |                     |          |  |  |
| 5                    | 16QAM      | 25      | 0         | 21.27                 | 21.39                    | 21.25                  |                     |          |  |  |
| 5                    | 64QAM      | 1       | 0         | 21.38                 | 21.44                    | 21.39                  |                     |          |  |  |
| 5                    | 64QAM      | 1       | 12        | 21.35                 | 21.39                    | 21.29                  |                     |          |  |  |
| 5                    | 64QAM      | 1       | 24        | 21.26                 | 21.17                    | 21.24                  | 22.5                | 2        |  |  |
| 5                    | 64QAM      | 12      | 0         | 20.35                 | 20.46                    | 20.31                  |                     |          |  |  |
| 5                    | 64QAM      | 12      | 7         | 20.30                 | 20.40                    | 20.32                  |                     |          |  |  |
| 5                    | 64QAM      | 12      | 13        | 20.26                 | 20.30                    | 20.19                  | 21.5                | 3        |  |  |
| 5                    | 64QAM      | 25      | 0         | 20.30                 | 20.41                    | 20.37                  |                     |          |  |  |
| 5                    | 256QAM     | 1       | 0         | 18.41                 | 18.46                    | 18.40                  |                     |          |  |  |
| 5                    | 256QAM     | 1       | 12        | 18.32                 | 18.41                    | 18.29                  | 19.5                | 5        |  |  |
| 5                    | 256QAM     | 1       | 24        | 18.29                 | 18.18                    | 18.27                  |                     |          |  |  |
| 5                    | 256QAM     | 12      | 0         | 18.37                 | 18.45                    | 18.38                  |                     |          |  |  |
| 5                    | 256QAM     | 12      | 7         | 18.31                 | 18.39                    | 18.32                  | 19.5                | 5        |  |  |
| 5                    | 256QAM     | 12      | 13        | 18.21                 | 18.32                    | 18.23                  |                     |          |  |  |
| 5                    | 256QAM     | 25      | 0         | 18.22                 | 18.37                    | 18.27                  |                     |          |  |  |

| Band 4 Ant5 DS13 |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
|------------------|------------|----------|------------|-----------------------|-----------------------|------------------------|--------------------|----------|--|--|--|--|--|--|--|--|--|--|
| BW (MHz)         | Modulation | RIS Size | RIS Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Turn-up time (sec) | MPR (dB) |  |  |  |  |  |  |  |  |  |  |
| Channel          |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
| Frequency (MHz)  |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | QPSK       | 1        | 0          | 18.48                 | 18.57                 | 18.53                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | QPSK       | 1        | 49         | 18.52                 | 18.55                 | 18.52                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | QPSK       | 1        | 99         | 18.36                 | 18.51                 | 18.45                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | QPSK       | 50       | 5          | 18.34                 | 18.32                 | 18.34                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | QPSK       | 50       | 24         | 18.43                 | 18.44                 | 18.44                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | QPSK       | 50       | 50         | 18.34                 | 18.46                 | 18.37                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | QPSK       | 100      | 5          | 18.34                 | 18.47                 | 18.32                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | 16QAM      | 1        | 0          | 18.42                 | 18.55                 | 18.48                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 16QAM      | 1        | 49         | 18.47                 | 18.51                 | 18.44                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | 16QAM      | 1        | 99         | 18.35                 | 18.46                 | 18.42                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 16QAM      | 50       | 0          | 18.23                 | 18.48                 | 18.33                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | 16QAM      | 50       | 24         | 18.42                 | 18.36                 | 18.42                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 16QAM      | 50       | 50         | 18.25                 | 18.46                 | 18.38                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | 16QAM      | 100      | 0          | 18.26                 | 18.43                 | 18.29                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 64QAM      | 1        | 0          | 18.41                 | 18.54                 | 18.52                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | 64QAM      | 1        | 49         | 18.50                 | 18.48                 | 18.51                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 64QAM      | 1        | 99         | 18.34                 | 18.44                 | 18.43                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | 64QAM      | 50       | 0          | 18.28                 | 18.52                 | 18.30                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 64QAM      | 50       | 24         | 18.40                 | 18.43                 | 18.41                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 20               | 64QAM      | 50       | 50         | 18.27                 | 18.45                 | 18.32                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 64QAM      | 100      | 0          | 18.30                 | 18.40                 | 18.26                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 20               | 64QAM      | 1        | 0          | 17.45                 | 17.47                 | 17.45                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 256QAM     | 1        | 49         | 17.43                 | 17.62                 | 17.62                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 20               | 256QAM     | 1        | 99         | 17.59                 | 17.59                 | 17.58                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 256QAM     | 50       | 0          | 17.42                 | 17.54                 | 17.45                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 20               | 256QAM     | 50       | 24         | 17.59                 | 17.72                 | 17.55                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 20               | 256QAM     | 50       | 50         | 17.55                 | 17.63                 | 17.48                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 20               | 256QAM     | 100      | 0          | 17.46                 | 17.62                 | 17.49                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| Channel          |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
| Frequency (MHz)  |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | QPSK       | 1        | 0          | 18.38                 | 18.44                 | 18.43                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | QPSK       | 1        | 97         | 18.44                 | 18.48                 | 18.46                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | QPSK       | 1        | 74         | 18.30                 | 18.45                 | 18.37                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | QPSK       | 36       | 0          | 18.26                 | 18.48                 | 18.30                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | QPSK       | 36       | 20         | 18.32                 | 18.33                 | 18.38                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | QPSK       | 36       | 39         | 18.23                 | 18.35                 | 18.33                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | QPSK       | 75       | 0          | 18.24                 | 18.39                 | 18.19                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | 16QAM      | 1        | 0          | 18.38                 | 18.43                 | 18.37                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 16QAM      | 1        | 37         | 18.41                 | 18.37                 | 18.32                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | 16QAM      | 1        | 74         | 18.27                 | 18.34                 | 18.33                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 16QAM      | 36       | 0          | 18.18                 | 18.37                 | 18.27                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | 16QAM      | 36       | 20         | 18.29                 | 18.26                 | 18.35                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 16QAM      | 36       | 39         | 18.21                 | 18.41                 | 18.29                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | 16QAM      | 75       | 0          | 18.22                 | 18.36                 | 18.18                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 64QAM      | 1        | 0          | 18.39                 | 18.46                 | 18.43                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | 64QAM      | 1        | 37         | 18.40                 | 18.44                 | 18.42                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 64QAM      | 1        | 74         | 18.31                 | 18.38                 | 18.37                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | 64QAM      | 36       | 0          | 18.15                 | 18.44                 | 18.15                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 64QAM      | 36       | 20         | 18.22                 | 18.36                 | 18.27                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 16               | 64QAM      | 36       | 39         | 18.13                 | 18.34                 | 18.16                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 64QAM      | 75       | 0          | 18.20                 | 18.35                 | 18.17                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 16               | 256QAM     | 1        | 0          | 17.37                 | 17.33                 | 17.57                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 256QAM     | 1        | 37         | 17.34                 | 17.46                 | 17.51                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 16               | 256QAM     | 1        | 74         | 17.46                 | 17.43                 | 17.48                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 256QAM     | 36       | 0          | 17.36                 | 17.42                 | 17.33                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 16               | 256QAM     | 36       | 20         | 17.48                 | 17.45                 | 17.44                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 16               | 256QAM     | 36       | 39         | 17.44                 | 17.53                 | 17.38                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 16               | 256QAM     | 75       | 0          | 17.41                 | 17.35                 | 17.40                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| Channel          |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
| Frequency (MHz)  |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | QPSK       | 1        | 0          | 18.36                 | 18.44                 | 18.45                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | QPSK       | 1        | 25         | 18.38                 | 18.48                 | 18.43                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | QPSK       | 1        | 49         | 18.30                 | 18.48                 | 18.35                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | QPSK       | 25       | 5          | 18.28                 | 18.44                 | 18.26                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | QPSK       | 25       | 12         | 18.30                 | 18.31                 | 18.29                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | QPSK       | 25       | 25         | 18.21                 | 18.37                 | 18.21                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | QPSK       | 50       | 5          | 18.25                 | 18.38                 | 18.21                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | 16QAM      | 1        | 0          | 18.29                 | 18.44                 | 18.38                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 16QAM      | 1        | 25         | 18.41                 | 18.44                 | 18.33                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | 16QAM      | 1        | 49         | 18.23                 | 18.37                 | 18.33                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 16QAM      | 25       | 0          | 18.20                 | 18.38                 | 18.29                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | 16QAM      | 25       | 12         | 18.26                 | 18.34                 | 18.35                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 16QAM      | 25       | 25         | 18.19                 | 18.40                 | 18.20                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | 16QAM      | 50       | 0          | 18.17                 | 18.30                 | 18.19                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 64QAM      | 1        | 0          | 18.26                 | 18.41                 | 18.45                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | 64QAM      | 1        | 25         | 18.41                 | 18.37                 | 18.44                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 64QAM      | 1        | 49         | 18.21                 | 18.33                 | 18.38                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | 64QAM      | 25       | 0          | 18.21                 | 18.47                 | 18.17                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 64QAM      | 25       | 12         | 18.35                 | 18.36                 | 18.27                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 10               | 64QAM      | 25       | 25         | 18.14                 | 18.31                 | 18.18                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 64QAM      | 50       | 0          | 18.16                 | 18.36                 | 18.22                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 10               | 256QAM     | 1        | 0          | 17.40                 | 17.37                 | 17.54                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 256QAM     | 1        | 25         | 17.27                 | 17.59                 | 17.54                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 10               | 256QAM     | 1        | 49         | 17.54                 | 17.46                 | 17.47                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 256QAM     | 25       | 0          | 17.34                 | 17.48                 | 17.38                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 10               | 256QAM     | 25       | 12         | 17.52                 | 17.66                 | 17.46                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 10               | 256QAM     | 25       | 25         | 17.45                 | 17.55                 | 17.36                  | 19                 | 2        |  |  |  |  |  |  |  |  |  |  |
| 10               | 256QAM     | 50       | 0          | 17.41                 | 17.57                 | 17.35                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| Channel          |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
| Frequency (MHz)  |            |          |            |                       |                       |                        |                    |          |  |  |  |  |  |  |  |  |  |  |
| 5                | QPSK       | 1        | 0          | 18.37                 | 18.44                 | 18.39                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 5                | QPSK       | 1        | 12         | 18.46                 | 18.50                 | 18.46                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 5                | QPSK       | 1        | 24         | 18.22                 | 18.44                 | 18.33                  | 21                 | 0        |  |  |  |  |  |  |  |  |  |  |
| 5                | QPSK       | 12       | 0          | 18.22                 | 18.41                 | 18.30                  |                    |          |  |  |  |  |  |  |  |  |  |  |
| 5                | QPSK       | 12       | 36         | 7                     | 18.28                 | 18.36                  | 18.3               |          |  |  |  |  |  |  |  |  |  |  |

| Band 38 Ant5 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 37850                 | 38000                    | 38150                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20                | QPSK       | 1       | 0         | 20.79                 | 20.90                    | 20.79                  | 22                  | 0        |  |
| 20                | QPSK       | 1       | 49        | 20.76                 | 20.70                    | 20.78                  |                     |          |  |
| 20                | QPSK       | 1       | 99        | 20.67                 | 20.57                    | 20.68                  |                     |          |  |
| 20                | QPSK       | 50      | 0         | 20.72                 | 20.73                    | 20.72                  | 22                  | 0        |  |
| 20                | QPSK       | 50      | 24        | 20.58                 | 20.70                    | 20.61                  |                     |          |  |
| 20                | QPSK       | 50      | 50        | 20.46                 | 20.42                    | 20.53                  |                     |          |  |
| 20                | QPSK       | 100     | 0         | 20.64                 | 20.76                    | 20.61                  | 22                  | 0        |  |
| 20                | 16QAM      | 1       | 0         | 20.54                 | 20.55                    | 20.75                  |                     |          |  |
| 20                | 16QAM      | 1       | 49        | 20.52                 | 20.49                    | 20.51                  |                     |          |  |
| 20                | 16QAM      | 1       | 99        | 20.82                 | 20.63                    | 20.67                  | 22                  | 0        |  |
| 20                | 16QAM      | 50      | 0         | 20.66                 | 20.66                    | 20.61                  |                     |          |  |
| 20                | 16QAM      | 50      | 24        | 20.53                 | 20.54                    | 20.49                  |                     |          |  |
| 20                | 16QAM      | 50      | 50        | 20.83                 | 20.73                    | 20.69                  | 22                  | 0        |  |
| 20                | 16QAM      | 100     | 0         | 20.53                 | 20.73                    | 20.75                  |                     |          |  |
| 20                | 64QAM      | 1       | 0         | 20.74                 | 20.78                    | 20.71                  |                     |          |  |
| 20                | 64QAM      | 1       | 49        | 20.55                 | 20.70                    | 20.68                  | 22                  | 0        |  |
| 20                | 64QAM      | 1       | 99        | 20.51                 | 20.66                    | 20.56                  |                     |          |  |
| 20                | 64QAM      | 50      | 0         | 19.93                 | 19.85                    | 19.86                  |                     |          |  |
| 20                | 64QAM      | 50      | 24        | 19.91                 | 19.79                    | 19.88                  | 21                  | 1        |  |
| 20                | 64QAM      | 50      | 50        | 19.63                 | 19.80                    | 19.71                  |                     |          |  |
| 20                | 64QAM      | 100     | 0         | 19.65                 | 19.74                    | 19.71                  |                     |          |  |
| 20                | 256QAM     | 1       | 0         | 17.83                 | 17.79                    | 17.80                  | 19                  | 3        |  |
| 20                | 256QAM     | 1       | 49        | 17.73                 | 17.77                    | 17.81                  |                     |          |  |
| 20                | 256QAM     | 1       | 99        | 17.55                 | 17.58                    | 17.66                  |                     |          |  |
| 20                | 256QAM     | 50      | 0         | 17.96                 | 17.91                    | 17.90                  | 19                  | 3        |  |
| 20                | 256QAM     | 50      | 24        | 17.97                 | 17.69                    | 17.90                  |                     |          |  |
| 20                | 256QAM     | 50      | 50        | 17.66                 | 17.83                    | 17.73                  |                     |          |  |
| 20                | 256QAM     | 100     | 0         | 17.46                 | 17.61                    | 17.58                  |                     |          |  |
| Channel           |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                | QPSK       | 1       | 0         | 20.83                 | 20.61                    | 20.61                  | 22                  | 0        |  |
| 15                | QPSK       | 1       | 37        | 20.60                 | 20.59                    | 20.68                  |                     |          |  |
| 15                | QPSK       | 1       | 74        | 20.36                 | 20.66                    | 20.59                  |                     |          |  |
| 15                | QPSK       | 36      | 0         | 20.60                 | 20.60                    | 20.51                  | 22                  | 0        |  |
| 15                | QPSK       | 36      | 20        | 20.71                 | 20.56                    | 20.59                  |                     |          |  |
| 15                | QPSK       | 36      | 39        | 20.32                 | 20.25                    | 20.45                  |                     |          |  |
| 15                | QPSK       | 75      | 0         | 20.76                 | 20.49                    | 20.47                  | 22                  | 0        |  |
| 15                | 16QAM      | 1       | 0         | 20.40                 | 20.35                    | 20.64                  |                     |          |  |
| 15                | 16QAM      | 1       | 37        | 20.37                 | 20.34                    | 20.33                  |                     |          |  |
| 15                | 16QAM      | 1       | 74        | 20.80                 | 20.44                    | 20.65                  | 22                  | 0        |  |
| 15                | 16QAM      | 36      | 0         | 20.65                 | 20.66                    | 20.59                  |                     |          |  |
| 15                | 16QAM      | 36      | 20        | 20.45                 | 20.39                    | 20.42                  |                     |          |  |
| 15                | 16QAM      | 36      | 39        | 20.83                 | 20.55                    | 20.67                  | 22                  | 0        |  |
| 15                | 16QAM      | 75      | 0         | 20.52                 | 20.74                    | 20.54                  |                     |          |  |
| 15                | 64QAM      | 1       | 0         | 20.61                 | 20.61                    | 20.65                  |                     |          |  |
| 15                | 64QAM      | 1       | 37        | 20.37                 | 20.59                    | 20.67                  | 22                  | 0        |  |
| 15                | 64QAM      | 1       | 74        | 20.29                 | 20.60                    | 20.44                  |                     |          |  |
| 15                | 64QAM      | 36      | 0         | 19.81                 | 19.66                    | 19.85                  |                     |          |  |
| 15                | 64QAM      | 36      | 20        | 19.70                 | 19.61                    | 19.74                  | 21                  | 1        |  |
| 15                | 64QAM      | 36      | 39        | 19.56                 | 19.60                    | 19.65                  |                     |          |  |
| 15                | 64QAM      | 75      | 0         | 19.51                 | 19.62                    | 19.50                  |                     |          |  |
| 15                | 256QAM     | 1       | 0         | 17.73                 | 17.75                    | 17.80                  | 19                  | 3        |  |
| 15                | 256QAM     | 1       | 37        | 17.58                 | 17.58                    | 17.62                  |                     |          |  |
| 15                | 256QAM     | 1       | 74        | 17.36                 | 17.54                    | 17.52                  |                     |          |  |
| 15                | 256QAM     | 36      | 0         | 17.82                 | 17.74                    | 17.70                  | 19                  | 3        |  |
| 15                | 256QAM     | 36      | 20        | 17.96                 | 17.59                    | 17.80                  |                     |          |  |
| 15                | 256QAM     | 36      | 39        | 17.53                 | 17.65                    | 17.62                  |                     |          |  |
| 15                | 256QAM     | 75      | 0         | 17.42                 | 17.59                    | 17.56                  |                     |          |  |
| Channel           |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                | QPSK       | 1       | 0         | 20.77                 | 20.59                    | 20.79                  | 22                  | 0        |  |
| 10                | QPSK       | 1       | 25        | 20.59                 | 20.55                    | 20.72                  |                     |          |  |
| 10                | QPSK       | 1       | 49        | 20.39                 | 20.66                    | 20.52                  |                     |          |  |
| 10                | QPSK       | 25      | 0         | 20.67                 | 20.51                    | 20.59                  | 22                  | 0        |  |
| 10                | QPSK       | 25      | 12        | 20.71                 | 20.37                    | 20.51                  |                     |          |  |
| 10                | QPSK       | 25      | 25        | 20.36                 | 20.39                    | 20.54                  |                     |          |  |
| 10                | QPSK       | 50      | 0         | 20.61                 | 20.65                    | 20.47                  | 22                  | 0        |  |
| 10                | 16QAM      | 1       | 0         | 20.51                 | 20.33                    | 20.61                  |                     |          |  |
| 10                | 16QAM      | 1       | 25        | 20.43                 | 20.34                    | 20.48                  |                     |          |  |
| 10                | 16QAM      | 1       | 49        | 20.75                 | 20.49                    | 20.59                  | 22                  | 0        |  |
| 10                | 16QAM      | 25      | 0         | 20.52                 | 20.63                    | 20.52                  |                     |          |  |
| 10                | 16QAM      | 25      | 12        | 20.48                 | 20.54                    | 20.50                  |                     |          |  |
| 10                | 16QAM      | 25      | 25        | 20.62                 | 20.61                    | 20.63                  | 22                  | 0        |  |
| 10                | 16QAM      | 50      | 0         | 20.44                 | 20.55                    | 20.63                  |                     |          |  |
| 10                | 64QAM      | 1       | 0         | 20.67                 | 20.75                    | 20.52                  |                     |          |  |
| 10                | 64QAM      | 1       | 25        | 20.37                 | 20.59                    | 20.53                  | 22                  | 0        |  |
| 10                | 64QAM      | 1       | 49        | 20.46                 | 20.58                    | 20.45                  |                     |          |  |
| 10                | 64QAM      | 25      | 0         | 19.75                 | 19.81                    | 19.70                  |                     |          |  |
| 10                | 64QAM      | 25      | 12        | 19.91                 | 19.64                    | 19.89                  | 21                  | 1        |  |
| 10                | 64QAM      | 25      | 25        | 19.63                 | 19.66                    | 19.72                  |                     |          |  |
| 10                | 64QAM      | 50      | 0         | 19.64                 | 19.66                    | 19.52                  |                     |          |  |
| 10                | 256QAM     | 1       | 0         | 17.64                 | 17.78                    | 17.77                  | 19                  | 3        |  |
| 10                | 256QAM     | 1       | 25        | 17.54                 | 17.79                    | 17.64                  |                     |          |  |
| 10                | 256QAM     | 1       | 49        | 17.34                 | 17.54                    | 17.48                  |                     |          |  |
| 10                | 256QAM     | 25      | 0         | 17.83                 | 17.76                    | 17.89                  | 19                  | 3        |  |
| 10                | 256QAM     | 25      | 12        | 17.91                 | 17.69                    | 17.83                  |                     |          |  |
| 10                | 256QAM     | 25      | 25        | 17.59                 | 17.79                    | 17.67                  |                     |          |  |
| 10                | 256QAM     | 50      | 0         | 17.45                 | 17.45                    | 17.60                  |                     |          |  |
| Channel           |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                 | QPSK       | 1       | 0         | 20.75                 | 20.73                    | 20.67                  | 22                  | 0        |  |
| 5                 | QPSK       | 1       | 12        | 20.54                 | 20.68                    | 20.57                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 20.54                 | 20.65                    | 20.51                  |                     |          |  |
| 5                 | QPSK       | 12      | 0         | 20.65                 | 20.57                    | 20.65                  | 22                  | 0        |  |
| 5                 | QPSK       | 12      | 7         | 20.51                 | 20.47                    | 20.43                  |                     |          |  |
| 5                 | QPSK       | 12      | 13        | 20.35                 | 20.46                    | 20.35                  |                     |          |  |
| 5                 | QPSK       | 25      | 0         | 20.56                 | 20.60                    | 20.60                  | 22                  | 0        |  |
| 5                 | 16QAM      | 1       | 0         | 20.49                 | 20.41                    | 20.64                  |                     |          |  |
| 5                 | 16QAM      | 1       | 12        | 20.39                 | 20.33                    | 20.32                  |                     |          |  |
| 5                 | 16QAM      | 1       | 24        | 20.63                 | 20.52                    | 20.68                  | 22                  | 0        |  |
| 5                 | 16QAM      | 12      | 0         | 20.65                 | 20.47                    | 20.47                  |                     |          |  |
| 5                 | 16QAM      | 12      | 7         | 20.42                 | 20.50                    | 20.51                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 20.67                 | 20.61                    | 20.67                  | 22                  | 0        |  |
| 5                 | 16QAM      | 25      | 0         | 20.37                 | 20.54                    | 20.69                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 20.69                 | 20.78                    | 20.67                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 20.41                 | 20.71                    | 20.59                  | 22                  | 0        |  |
| 5                 | 64QAM      | 1       | 24        | 20.43                 | 20.45                    | 20.40                  |                     |          |  |
| 5                 | 64QAM      | 12      | 0         | 19.90                 | 19.74                    | 19.87                  |                     |          |  |
| 5                 | 64QAM      | 12      | 7         | 19.73                 | 19.66                    | 19.90                  | 21                  | 1        |  |
| 5                 | 64QAM      | 12      | 13        | 19.50                 | 19.78                    | 19.71                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 19.62                 | 19.53                    | 19.72                  |                     |          |  |
| 5                 | 256QAM     | 1       | 0         | 17.72                 | 17.70                    | 17.69                  | 19                  | 3        |  |
| 5                 | 256QAM     | 1       | 12        | 17.64                 | 17.75                    | 17.76                  |                     |          |  |
| 5                 | 256QAM     | 1       | 24        | 17.47                 | 17.51                    | 17.64                  |                     |          |  |
| 5                 | 256QAM     | 12      | 0         | 17.94                 | 17.75                    | 17.82                  | 19                  | 3        |  |
| 5                 | 256QAM     | 12      | 7         | 17.92                 | 17.54                    | 17.78                  |                     |          |  |
| 5                 | 256QAM     | 12      | 13        | 17.54                 | 17.76                    | 17.64                  |                     |          |  |
| 5                 | 256QAM     | 25      | 0         | 17.26                 | 17.48                    | 17.56                  |                     |          |  |
| Channel           |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |

## Reduced Power Mode for DSI 4\_Main PA

|                 |  | GSM850 Ant0 Default       |       |       |             |                           |       |       |             |
|-----------------|--|---------------------------|-------|-------|-------------|---------------------------|-------|-------|-------------|
| GSM850          |  | Burst Average Power (dbm) |       |       | Tune-up     | Frame-Average Power (dbm) |       |       | Tune-up     |
| Tx Channel      |  | 128                       | 189   | 251   | Limit (dbm) | 128                       | 189   | 251   | Limit (dbm) |
| Frequency (MHz) |  | 824.2                     | 836.4 | 848.6 |             | 824.2                     | 836.4 | 848.6 |             |
| GSM 1 Tx slot   |  | 33.15                     | 33.18 | 33.08 | 34.00       | 24.15                     | 24.18 | 24.08 | 25.00       |
| GPRS 1 Tx slot  |  | 33.10                     | 33.15 | 33.02 | 34.00       | 24.10                     | 24.15 | 24.02 | 25.00       |
| GPRS 2 Tx slots |  | 30.10                     | 30.17 | 30.09 | 31.00       | 24.10                     | 24.17 | 24.09 | 25.00       |
| GPRS 3 Tx slots |  | 28.26                     | 28.34 | 28.28 | 29.50       | 24.00                     | 24.06 | 24.02 | 25.24       |
| GPRS 4 Tx slots |  | 26.80                     | 26.91 | 26.85 | 28.00       | 23.80                     | 23.91 | 23.85 | 25.00       |
| EDGE 1 Tx slot  |  | 27.13                     | 27.18 | 27.09 | 27.50       | 18.13                     | 18.18 | 18.09 | 18.18       |
| EDGE 2 Tx slots |  | 24.21                     | 24.29 | 24.24 | 24.50       | 18.21                     | 18.29 | 18.24 | 18.50       |
| EDGE 3 Tx slots |  | 22.27                     | 22.30 | 22.26 | 22.50       | 18.01                     | 18.04 | 18.00 | 18.24       |
| EDGE 4 Tx slots |  | 20.88                     | 20.96 | 20.91 | 21.50       | 17.88                     | 17.96 | 17.91 | 18.50       |

|                 |  | GSM1900 Ant0 DSI4         |       |        |               |                           |       |        |               |
|-----------------|--|---------------------------|-------|--------|---------------|---------------------------|-------|--------|---------------|
| GSM1900         |  | Burst Average Power (dBm) |       |        | Tune-up Limit | Frame-Average Power (dBm) |       |        | Tune-up Limit |
| Tx Channel      |  | 512                       | 661   | 810    | Limit         | 512                       | 661   | 810    | Limit         |
| Frequency (MHz) |  | 1850.2                    | 1880  | 1909.8 | 1850.2        | 1850.2                    | 1880  | 1909.8 |               |
| GSM 1 Tx slot   |  | 27.04                     | 27.16 | 27.06  | 28.00         | 18.04                     | 18.16 | 18.06  | 19.00         |
| GPRS 1 Tx slot  |  | 27.05                     | 27.11 | 26.99  | 28.00         | 18.05                     | 18.11 | 17.99  | 19.00         |
| GPRS 2 Tx slots |  | 23.96                     | 24.03 | 23.99  | 25.00         | 17.96                     | 18.03 | 17.99  | 19.00         |
| GPRS 3 Tx slots |  | 22.21                     | 22.29 | 22.19  | 23.50         | 17.95                     | 18.03 | 17.93  | 19.24         |
| GPRS 4 Tx slots |  | 21.00                     | 21.06 | 20.97  | 22.00         | 18.00                     | 18.06 | 17.97  | 19.00         |
| EDGE 1 Tx slot  |  | 22.81                     | 22.79 | 22.81  | 23.50         | 13.81                     | 13.81 | 13.89  | 14.00         |
| EDGE 2 Tx slots |  | 19.43                     | 19.58 | 19.53  | 20.50         | 13.43                     | 13.58 | 13.53  | 14.50         |
| EDGE 3 Tx slots |  | 17.58                     | 17.65 | 17.57  | 18.50         | 13.32                     | 13.39 | 13.31  | 14.24         |
| EDGE 4 Tx slots |  | 16.00                     | 16.11 | 16.01  | 17.00         | 13.00                     | 13.11 | 13.01  | 14.00         |

| WCDMA II Ant0 DSI4                 |          |       |        | WCDMA IV Ant0 DSI4  |          |        |       | WCDMA V Ant0 Default |         |       |       |
|------------------------------------|----------|-------|--------|---------------------|----------|--------|-------|----------------------|---------|-------|-------|
| Band                               | WCDMA II |       |        | Tune-up Limit (dBm) | WCDMA IV |        |       | Tune-up Limit (dBm)  | WCDMA V |       |       |
| Tx Channel                         | 9262     | 9400  | 9538   |                     | 1312     | 1413   | 1513  |                      | 4132    | 4182  | 4233  |
| Rx Channel                         | 9662     | 9800  | 9938   | 1537                | 1638     | 1738   | 4367  | 4407                 | 4458    |       |       |
| Frequency (MHz)                    | 1852.4   | 1880  | 1907.6 | 1712.4              | 1732.5   | 1752.6 | 826.4 | 838.4                | 846.6   |       |       |
| 3GPP Rel 99 RMC 12.2kpps           | 20.93    | 21.01 | 20.90  | 21.50               | 18.82    | 18.98  | 18.92 | 20.27                | 24.46   | 24.18 | 25.00 |
| 3GPP Rel 99 RMC 12.2kpps           | 20.95    | 21.18 | 21.06  | 21.50               | 18.83    | 19.04  | 18.96 | 20.01                | 24.39   | 24.23 | 25.00 |
| 3GPP Rel 6 HSDPA Subtest-1         | 20.03    | 20.15 | 19.90  | 20.50               | 17.83    | 18.08  | 17.94 | 19.00                | 23.21   | 23.49 | 23.26 |
| 3GPP Rel 6 HSDPA Subtest-2         | 19.97    | 20.14 | 19.91  | 20.50               | 17.83    | 18.01  | 17.92 | 19.00                | 23.30   | 23.54 | 23.22 |
| 3GPP Rel 6 HSDPA Subtest-3         | 19.51    | 19.65 | 19.38  | 20.00               | 17.39    | 17.53  | 17.39 | 18.50                | 22.91   | 23.07 | 22.80 |
| 3GPP Rel 6 HSDPA Subtest-4         | 19.43    | 19.48 | 19.42  | 20.00               | 17.37    | 17.62  | 17.35 | 18.50                | 22.80   | 22.99 | 22.70 |
| 3GPP Rel 8 DC-HSDPA Subtest-1      | 20.00    | 20.12 | 19.98  | 20.50               | 17.86    | 18.18  | 18.03 | 19.00                | 23.33   | 23.48 | 23.26 |
| 3GPP Rel 8 DC-HSDPA Subtest-2      | 19.93    | 20.11 | 19.96  | 20.50               | 17.82    | 18.10  | 18.02 | 19.00                | 23.34   | 23.53 | 23.20 |
| 3GPP Rel 8 DC-HSDPA Subtest-3      | 19.56    | 19.78 | 19.35  | 20.00               | 17.53    | 17.62  | 17.43 | 18.50                | 22.87   | 23.03 | 22.86 |
| 3GPP Rel 8 DC-HSDPA Subtest-4      | 19.51    | 19.56 | 19.55  | 20.00               | 17.37    | 17.62  | 17.40 | 18.50                | 22.78   | 22.96 | 22.68 |
| 3GPP Rel 6 HSUPA Subtest-1         | 19.96    | 20.13 | 20.01  | 20.50               | 17.83    | 18.02  | 17.98 | 19.00                | 23.41   | 23.47 | 23.27 |
| 3GPP Rel 6 HSUPA Subtest-2         | 18.02    | 18.09 | 17.91  | 18.50               | 15.77    | 16.04  | 16.00 | 17.00                | 21.27   | 21.40 | 21.27 |
| 3GPP Rel 6 HSUPA Subtest-3         | 19.03    | 19.18 | 18.90  | 19.50               | 16.86    | 17.05  | 17.00 | 18.00                | 22.40   | 22.50 | 22.21 |
| 3GPP Rel 6 HSUPA Subtest-4         | 17.99    | 18.08 | 17.93  | 18.50               | 15.85    | 16.06  | 15.92 | 17.00                | 21.34   | 21.48 | 21.23 |
| 3GPP Rel 6 HSUPA Subtest-5         | 20.02    | 20.09 | 19.99  | 20.50               | 17.88    | 18.02  | 17.94 | 19.00                | 23.39   | 23.50 | 23.22 |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 17.48    | 17.56 | 17.51  | 18.00               | 15.34    | 15.64  | 15.54 | 16.50                | 20.89   | 20.98 | 20.84 |

| WCDMA V Ant0 Default |       |       |       |      |      |                     |
|----------------------|-------|-------|-------|------|------|---------------------|
| WCDMA V              |       |       |       |      |      | Tune-up Limit (dbm) |
| 4132                 | 4182  | 4233  | 4357  | 4407 | 4458 |                     |
| 626.4                | 636.4 | 646.6 |       |      |      |                     |
| 24.27                | 24.46 | 24.18 | 25.00 |      |      |                     |
| 24.34                | 24.51 | 24.23 | 25.00 |      |      |                     |
| 23.31                | 23.49 | 23.26 | 24.00 |      |      |                     |
| 23.30                | 23.54 | 23.22 | 24.00 |      |      |                     |
| 22.91                | 23.07 | 22.80 | 23.50 |      |      |                     |
| 22.80                | 22.99 | 22.70 | 23.50 |      |      |                     |
| 23.33                | 23.48 | 23.26 | 24.00 |      |      |                     |
| 23.34                | 23.53 | 23.20 | 24.00 |      |      |                     |
| 22.87                | 23.03 | 22.66 | 23.50 |      |      |                     |
| 22.78                | 22.98 | 22.68 | 23.50 |      |      |                     |
| 23.41                | 23.47 | 23.27 | 24.00 |      |      |                     |
| 21.37                | 21.48 | 21.21 | 22.00 |      |      |                     |
| 22.40                | 22.50 | 22.21 | 23.00 |      |      |                     |
| 21.34                | 21.49 | 21.23 | 22.00 |      |      |                     |
| 23.39                | 23.50 | 23.22 | 24.00 |      |      |                     |
| 20.89                | 20.98 | 20.84 | 21.50 |      |      |                     |



| Band 38 Ant0 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz)   |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20                | QPSK       | 1       | 0         | 22.00                 | 22.14                    | 21.93                  | 23                  | 0        |  |
| 20                | QPSK       | 1       | 49        | 21.95                 | 22.06                    | 21.98                  |                     |          |  |
| 20                | QPSK       | 1       | 99        | 21.75                 | 21.90                    | 21.73                  |                     |          |  |
| 20                | QPSK       | 50      | 0         | 21.91                 | 22.03                    | 21.89                  |                     |          |  |
| 20                | QPSK       | 50      | 24        | 21.87                 | 21.90                    | 21.85                  |                     |          |  |
| 20                | QPSK       | 50      | 50        | 21.89                 | 21.92                    | 21.83                  | 23                  | 0        |  |
| 20                | QPSK       | 100     | 0         | 21.81                 | 21.96                    | 21.82                  |                     |          |  |
| 20                | 16QAM      | 1       | 0         | 21.86                 | 22.03                    | 21.81                  |                     |          |  |
| 20                | 16QAM      | 1       | 49        | 21.81                 | 21.93                    | 21.87                  |                     |          |  |
| 20                | 16QAM      | 1       | 99        | 21.63                 | 21.81                    | 21.64                  |                     |          |  |
| 20                | 16QAM      | 50      | 0         | 21.80                 | 21.93                    | 21.83                  | 23                  | 0        |  |
| 20                | 16QAM      | 50      | 24        | 21.74                 | 21.80                    | 21.72                  |                     |          |  |
| 20                | 16QAM      | 50      | 50        | 21.80                 | 21.86                    | 21.78                  |                     |          |  |
| 20                | 16QAM      | 100     | 0         | 21.74                 | 21.89                    | 21.69                  |                     |          |  |
| 20                | 64QAM      | 1       | 0         | 21.81                 | 21.80                    | 21.67                  |                     |          |  |
| 20                | 64QAM      | 1       | 49        | 21.65                 | 21.81                    | 21.79                  | 23                  | 0        |  |
| 20                | 64QAM      | 1       | 99        | 21.84                 | 21.88                    | 21.79                  |                     |          |  |
| 20                | 64QAM      | 50      | 0         | 20.95                 | 21.08                    | 20.96                  |                     |          |  |
| 20                | 64QAM      | 50      | 24        | 20.98                 | 20.99                    | 20.93                  |                     |          |  |
| 20                | 64QAM      | 50      | 50        | 20.86                 | 20.95                    | 20.89                  |                     |          |  |
| 20                | 64QAM      | 100     | 0         | 20.96                 | 21.08                    | 20.87                  | 22                  | 1        |  |
| 20                | 256QAM     | 1       | 0         | 18.79                 | 18.93                    | 18.78                  |                     |          |  |
| 20                | 256QAM     | 1       | 49        | 18.89                 | 19.00                    | 18.92                  |                     |          |  |
| 20                | 256QAM     | 1       | 99        | 18.87                 | 19.02                    | 19.00                  |                     |          |  |
| 20                | 256QAM     | 50      | 0         | 18.97                 | 19.05                    | 19.01                  |                     |          |  |
| 20                | 256QAM     | 50      | 24        | 18.97                 | 18.96                    | 18.99                  | 20                  | 3        |  |
| 20                | 256QAM     | 50      | 50        | 18.85                 | 18.95                    | 18.91                  |                     |          |  |
| 20                | 256QAM     | 100     | 0         | 19.01                 | 19.04                    | 19.01                  |                     |          |  |
| Channel           |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                | QPSK       | 1       | 0         | 21.92                 | 22.01                    | 21.89                  | 23                  | 0        |  |
| 15                | QPSK       | 1       | 37        | 21.81                 | 22.02                    | 21.85                  |                     |          |  |
| 15                | QPSK       | 1       | 74        | 21.69                 | 21.78                    | 21.68                  |                     |          |  |
| 15                | QPSK       | 36      | 0         | 21.82                 | 21.89                    | 21.82                  |                     |          |  |
| 15                | QPSK       | 36      | 20        | 21.72                 | 21.78                    | 21.75                  |                     |          |  |
| 15                | QPSK       | 36      | 39        | 21.79                 | 21.86                    | 21.69                  | 23                  | 0        |  |
| 15                | QPSK       | 75      | 0         | 21.77                 | 21.92                    | 21.75                  |                     |          |  |
| 15                | 16QAM      | 1       | 0         | 21.77                 | 21.98                    | 21.74                  |                     |          |  |
| 15                | 16QAM      | 1       | 37        | 21.74                 | 21.88                    | 21.76                  |                     |          |  |
| 15                | 16QAM      | 1       | 74        | 21.50                 | 21.76                    | 21.57                  |                     |          |  |
| 15                | 16QAM      | 36      | 0         | 21.73                 | 21.88                    | 21.76                  | 23                  | 0        |  |
| 15                | 16QAM      | 36      | 20        | 21.67                 | 21.67                    | 21.61                  |                     |          |  |
| 15                | 16QAM      | 36      | 39        | 21.66                 | 21.81                    | 21.67                  |                     |          |  |
| 15                | 16QAM      | 75      | 0         | 21.60                 | 21.77                    | 21.64                  |                     |          |  |
| 15                | 64QAM      | 1       | 0         | 21.72                 | 21.76                    | 21.62                  |                     |          |  |
| 15                | 64QAM      | 1       | 37        | 21.56                 | 21.77                    | 21.76                  | 23                  | 0        |  |
| 15                | 64QAM      | 1       | 74        | 21.71                 | 21.74                    | 21.72                  |                     |          |  |
| 15                | 64QAM      | 36      | 0         | 20.87                 | 21.00                    | 20.90                  |                     |          |  |
| 15                | 64QAM      | 36      | 20        | 20.90                 | 20.92                    | 20.84                  |                     |          |  |
| 15                | 64QAM      | 36      | 39        | 20.81                 | 20.82                    | 20.84                  |                     |          |  |
| 15                | 64QAM      | 75      | 0         | 20.87                 | 20.95                    | 20.73                  | 22                  | 1        |  |
| 15                | 256QAM     | 1       | 0         | 18.67                 | 18.88                    | 18.72                  |                     |          |  |
| 15                | 256QAM     | 1       | 37        | 18.76                 | 18.91                    | 18.88                  |                     |          |  |
| 15                | 256QAM     | 1       | 74        | 18.73                 | 18.87                    | 18.86                  |                     |          |  |
| 15                | 256QAM     | 36      | 0         | 18.84                 | 18.97                    | 18.95                  |                     |          |  |
| 15                | 256QAM     | 36      | 20        | 18.84                 | 18.82                    | 18.77                  | 20                  | 3        |  |
| 15                | 256QAM     | 36      | 39        | 18.82                 | 18.91                    | 18.84                  |                     |          |  |
| 15                | 256QAM     | 75      | 0         | 18.96                 | 18.92                    | 18.90                  |                     |          |  |
| Channel           |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                | QPSK       | 1       | 0         | 21.93                 | 22.02                    | 21.80                  | 23                  | 0        |  |
| 10                | QPSK       | 1       | 25        | 21.89                 | 22.02                    | 21.86                  |                     |          |  |
| 10                | QPSK       | 1       | 49        | 21.71                 | 21.81                    | 21.63                  |                     |          |  |
| 10                | QPSK       | 25      | 0         | 21.87                 | 21.96                    | 21.83                  |                     |          |  |
| 10                | QPSK       | 25      | 12        | 21.76                 | 21.76                    | 21.78                  |                     |          |  |
| 10                | QPSK       | 25      | 25        | 21.76                 | 21.85                    | 21.68                  | 23                  | 0        |  |
| 10                | QPSK       | 50      | 0         | 21.68                 | 21.84                    | 21.69                  |                     |          |  |
| 10                | 16QAM      | 1       | 0         | 21.76                 | 21.98                    | 21.67                  |                     |          |  |
| 10                | 16QAM      | 1       | 25        | 21.70                 | 21.83                    | 21.81                  |                     |          |  |
| 10                | 16QAM      | 1       | 49        | 21.58                 | 21.67                    | 21.57                  |                     |          |  |
| 10                | 16QAM      | 25      | 0         | 21.75                 | 21.81                    | 21.70                  | 23                  | 0        |  |
| 10                | 16QAM      | 25      | 12        | 21.70                 | 21.67                    | 21.61                  |                     |          |  |
| 10                | 16QAM      | 25      | 25        | 21.75                 | 21.76                    | 21.63                  |                     |          |  |
| 10                | 16QAM      | 50      | 0         | 21.64                 | 21.83                    | 21.62                  |                     |          |  |
| 10                | 64QAM      | 1       | 0         | 21.78                 | 21.71                    | 21.61                  |                     |          |  |
| 10                | 64QAM      | 1       | 25        | 21.55                 | 21.73                    | 21.74                  | 23                  | 0        |  |
| 10                | 64QAM      | 1       | 49        | 21.79                 | 21.80                    | 21.68                  |                     |          |  |
| 10                | 64QAM      | 25      | 0         | 20.90                 | 21.00                    | 20.91                  |                     |          |  |
| 10                | 64QAM      | 25      | 12        | 20.89                 | 20.95                    | 20.86                  |                     |          |  |
| 10                | 64QAM      | 25      | 25        | 20.74                 | 20.90                    | 20.84                  |                     |          |  |
| 10                | 64QAM      | 50      | 0         | 20.87                 | 21.05                    | 20.78                  | 22                  | 1        |  |
| 10                | 256QAM     | 1       | 0         | 18.73                 | 18.87                    | 18.71                  |                     |          |  |
| 10                | 256QAM     | 1       | 25        | 18.74                 | 18.94                    | 18.82                  |                     |          |  |
| 10                | 256QAM     | 1       | 49        | 18.77                 | 18.96                    | 18.90                  |                     |          |  |
| 10                | 256QAM     | 25      | 0         | 18.92                 | 19.01                    | 18.91                  |                     |          |  |
| 10                | 256QAM     | 25      | 12        | 18.91                 | 18.84                    | 18.75                  | 20                  | 3        |  |
| 10                | 256QAM     | 25      | 25        | 18.91                 | 18.84                    | 18.75                  |                     |          |  |
| 10                | 256QAM     | 50      | 0         | 18.97                 | 18.93                    | 18.85                  |                     |          |  |
| Channel           |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                 | QPSK       | 1       | 0         | 21.87                 | 22.04                    | 21.84                  | 23                  | 0        |  |
| 5                 | QPSK       | 1       | 12        | 21.87                 | 21.96                    | 21.91                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 21.64                 | 21.83                    | 21.62                  |                     |          |  |
| 5                 | QPSK       | 12      | 0         | 21.77                 | 22.00                    | 21.75                  |                     |          |  |
| 5                 | QPSK       | 12      | 7         | 21.78                 | 21.80                    | 21.74                  |                     |          |  |
| 5                 | QPSK       | 12      | 13        | 21.80                 | 21.89                    | 21.72                  | 23                  | 0        |  |
| 5                 | QPSK       | 25      | 0         | 21.75                 | 21.84                    | 21.68                  |                     |          |  |
| 5                 | 16QAM      | 1       | 0         | 21.78                 | 21.92                    | 21.66                  |                     |          |  |
| 5                 | 16QAM      | 1       | 12        | 21.70                 | 21.81                    | 21.77                  |                     |          |  |
| 5                 | 16QAM      | 1       | 24        | 21.58                 | 21.72                    | 21.50                  |                     |          |  |
| 5                 | 16QAM      | 12      | 0         | 21.65                 | 21.87                    | 21.69                  | 23                  | 0        |  |
| 5                 | 16QAM      | 12      | 7         | 21.66                 | 21.69                    | 21.68                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 21.73                 | 21.62                    | 21.72                  |                     |          |  |
| 5                 | 16QAM      | 25      | 0         | 21.62                 | 21.85                    | 21.60                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 21.68                 | 21.75                    | 21.54                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 21.57                 | 21.74                    | 21.72                  | 23                  | 0        |  |
| 5                 | 64QAM      | 1       | 24        | 21.70                 | 21.61                    | 21.69                  |                     |          |  |
| 5                 | 64QAM      | 12      | 0         | 20.86                 | 21.02                    | 20.81                  |                     |          |  |
| 5                 | 64QAM      | 12      | 7         | 20.90                 | 20.93                    | 20.90                  |                     |          |  |
| 5                 | 64QAM      | 12      | 13        | 20.78                 | 20.82                    | 20.79                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 20.83                 | 21.03                    | 20.84                  | 22                  | 1        |  |
| 5                 | 256QAM     | 1       | 0         | 18.74                 | 18.79                    | 18.63                  |                     |          |  |
| 5                 | 256QAM     | 1       | 12        | 18.80                 | 18.87                    | 18.82                  |                     |          |  |
| 5                 | 256QAM     | 1       | 24        | 18.83                 | 18.93                    | 18.85                  |                     |          |  |
| 5                 | 256QAM     | 12      | 0         | 18.89                 | 18.91                    | 18.88                  |                     |          |  |
| 5                 | 256QAM     | 12      | 7         | 18.85                 | 18.86                    | 18.83                  | 20                  | 3        |  |
| 5                 | 256QAM     | 12      | 13        | 18.75                 | 18.81                    | 18.87                  |                     |          |  |
| 5                 | 256QAM     | 25      | 0         | 18.97                 | 18.92                    | 18.94                  |                     |          |  |

| Band 41 Ant0 DSI4 |            |         |           |                       |                              |                          |                               |                        |                     |          |                     |          |
|-------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Channel           |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |                     |          |
| Frequency (MHz)   |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |                     |          |
| 20                | QPSK       | 1       | 0         | 22.00                 | 22.13                        | 22.25                    | 21.99                         | 22.06                  | 23                  | 0        |                     |          |
| 20                | QPSK       | 1       | 49        | 21.92                 | 22.10                        | 22.10                    | 21.98                         | 22.07                  |                     |          |                     |          |
| 20                | QPSK       | 1       | 99        | 21.90                 | 21.86                        | 22.04                    | 21.98                         | 21.92                  |                     |          |                     |          |
| 20                | QPSK       | 50      | 0         | 21.94                 | 22.03                        | 22.15                    | 22.02                         | 22.07                  |                     |          |                     |          |
| 20                | QPSK       | 50      | 24        | 21.93                 | 21.97                        | 22.07                    | 21.97                         | 22.03                  |                     |          |                     |          |
| 20                | QPSK       | 50      | 50        | 21.81                 | 21.93                        | 21.93                    | 21.85                         | 21.78                  | 23                  | 0        |                     |          |
| 20                | QPSK       | 100     | 0         | 21.79                 | 21.87                        | 22.03                    | 21.96                         | 22.00                  |                     |          |                     |          |
| 20                | 16QAM      | 1       | 0         | 21.92                 | 22.06                        | 22.18                    | 21.93                         | 22.00                  |                     |          |                     |          |
| 20                | 16QAM      | 1       | 49        | 21.89                 | 22.01                        | 21.96                    | 21.89                         | 21.96                  |                     |          |                     |          |
| 20                | 16QAM      | 1       | 99        | 21.86                 | 21.88                        | 21.95                    | 21.89                         | 21.81                  |                     |          |                     |          |
| 20                | 16QAM      | 50      | 0         | 21.81                 | 21.88                        | 22.08                    | 21.94                         | 21.98                  | 23                  | 0        |                     |          |
| 20                | 16QAM      | 50      | 24        | 21.90                 | 21.84                        | 21.93                    | 21.88                         | 21.93                  |                     |          |                     |          |
| 20                | 16QAM      | 50      | 50        | 21.79                 | 21.89                        | 21.85                    | 21.82                         | 21.76                  |                     |          |                     |          |
| 20                | 16QAM      | 100     | 0         | 21.68                 | 21.78                        | 21.94                    | 21.82                         | 21.90                  |                     |          |                     |          |
| 20                | 64QAM      | 1       | 0         | 21.96                 | 21.93                        | 22.04                    | 21.85                         | 21.97                  |                     |          |                     |          |
| 20                | 64QAM      | 1       | 49        | 21.84                 | 21.87                        | 21.93                    | 21.81                         | 21.86                  | 23                  | 0        |                     |          |
| 20                | 64QAM      | 1       | 99        | 21.84                 | 21.88                        | 21.99                    | 21.84                         | 21.95                  |                     |          |                     |          |
| 20                | 64QAM      | 50      | 0         | 21.02                 | 21.08                        | 21.11                    | 21.02                         | 21.01                  |                     |          |                     |          |
| 20                | 64QAM      | 50      | 24        | 21.92                 | 20.87                        | 20.98                    | 20.90                         | 20.84                  |                     |          |                     |          |
| 20                | 64QAM      | 50      | 50        | 20.94                 | 20.86                        | 20.93                    | 20.89                         | 20.79                  |                     |          |                     |          |
| 20                | 64QAM      | 100     | 0         | 21.04                 | 21.07                        | 21.15                    | 21.04                         | 21.06                  | 22                  | 1        |                     |          |
| 20                | 256QAM     | 1       | 0         | 18.99                 | 18.97                        | 19.02                    | 19.00                         | 18.95                  |                     |          |                     |          |
| 20                | 256QAM     | 1       | 49        | 18.86                 | 18.81                        | 18.91                    | 18.91                         | 18.84                  |                     |          |                     |          |
| 20                | 256QAM     | 1       | 99        | 19.04                 | 19.02                        | 19.09                    | 18.88                         | 19.01                  |                     |          |                     |          |
| 20                | 256QAM     | 50      | 0         | 19.12                 | 19.04                        | 19.12                    | 19.05                         | 19.04                  |                     |          |                     |          |
| 20                | 256QAM     | 50      | 24        | 18.96                 | 18.94                        | 19.06                    | 18.90                         | 18.92                  | 20                  | 3        |                     |          |
| 20                | 256QAM     | 50      | 50        | 18.97                 | 19.00                        | 19.03                    | 19.00                         | 19.02                  |                     |          |                     |          |
| 20                | 256QAM     | 100     | 0         | 18.97                 | 19.10                        | 19.08                    | 19.01                         | 19.07                  |                     |          |                     |          |
| Channel           |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |                     |          |
| 15                | QPSK       | 1       | 0         | 21.87                 | 22.04                        | 22.21                    | 21.88                         | 22.02                  | 23.00               | 0        |                     |          |
| 15                | QPSK       | 1       | 37        | 21.80                 | 21.97                        | 21.98                    | 21.93                         | 21.99                  |                     |          |                     |          |
| 15                | QPSK       | 1       | 74        | 21.86                 | 21.76                        | 22.00                    | 21.94                         | 21.81                  |                     |          |                     |          |
| 15                | QPSK       | 36      | 0         | 21.87                 | 21.90                        | 22.00                    | 21.89                         | 22.00                  |                     |          |                     |          |
| 15                | QPSK       | 36      | 1         | 21.87                 | 21.94                        | 21.99                    | 21.87                         | 21.98                  |                     |          |                     |          |
| 15                | QPSK       | 36      | 39        | 21.69                 | 21.82                        | 21.87                    | 21.70                         | 21.62                  | 23                  | 0        |                     |          |
| 15                | QPSK       | 75      | 0         | 21.73                 | 21.81                        | 22.00                    | 21.81                         | 21.93                  |                     |          |                     |          |
| 15                | 16QAM      | 1       | 0         | 21.83                 | 22.02                        | 22.06                    | 21.85                         | 21.96                  |                     |          |                     |          |
| 15                | 16QAM      | 1       | 37        | 21.84                 | 21.88                        | 21.86                    | 21.85                         | 21.87                  |                     |          |                     |          |
| 15                | 16QAM      | 1       | 74        | 21.78                 | 21.74                        | 21.91                    | 21.78                         | 21.74                  |                     |          |                     |          |
| 15                | 16QAM      | 36      | 0         | 21.67                 | 21.93                        | 21.94                    | 21.86                         | 21.94                  | 23                  | 0        |                     |          |
| 15                | 16QAM      | 36      | 20        | 21.82                 | 21.80                        | 21.84                    | 21.84                         | 21.84                  |                     |          |                     |          |
| 15                | 16QAM      | 36      | 39        | 21.72                 | 21.85                        | 21.81                    | 21.75                         | 21.64                  |                     |          |                     |          |
| 15                | 16QAM      | 75      | 0         | 21.57                 | 21.65                        | 21.88                    | 21.77                         | 21.84                  |                     |          |                     |          |
| 15                | 64QAM      | 1       | 0         | 21.88                 | 21.82                        | 21.98                    | 21.78                         | 21.83                  |                     |          |                     |          |
| 15                | 64QAM      | 1       | 37        | 21.71                 | 21.87                        | 21.83                    | 21.68                         | 21.83                  | 23                  | 0        |                     |          |
| 15                | 64QAM      | 1       | 74        | 21.83                 | 21.76                        | 21.90                    | 21.72                         | 21.82                  |                     |          |                     |          |
| 15                | 64QAM      | 36      | 0         | 20.96                 | 20.93                        | 20.97                    | 20.98                         | 20.89                  |                     |          |                     |          |
| 15                | 64QAM      | 36      | 20        | 20.88                 | 20.79                        | 20.91                    | 20.81                         | 20.72                  |                     |          |                     |          |
| 15                | 64QAM      | 36      | 39        | 20.81                 | 20.83                        | 20.80                    | 20.77                         | 20.69                  |                     |          |                     |          |
| 15                | 64QAM      | 75      | 0         | 21.00                 | 20.96                        | 21.06                    | 20.90                         | 20.94                  | 22                  | 1        |                     |          |
| 15                | 256QAM     | 1       | 0         | 18.85                 | 18.85                        | 18.98                    | 18.91                         | 18.86                  |                     |          |                     |          |
| 15                | 256QAM     | 1       | 37        | 18.73                 | 18.71                        | 18.84                    | 18.84                         | 18.70                  |                     |          |                     |          |
| 15                | 256QAM     | 1       | 74        | 18.97                 | 18.96                        | 18.99                    | 18.77                         | 18.91                  |                     |          |                     |          |
| 15                | 256QAM     | 36      | 0         | 19.04                 | 18.93                        | 18.98                    | 18.92                         | 18.90                  |                     |          |                     |          |
| 15                | 256QAM     | 36      | 20        | 18.99                 | 18.95                        | 19.00                    | 18.80                         | 18.89                  | 20                  | 3        |                     |          |
| 15                | 256QAM     | 36      | 39        | 18.83                 | 18.96                        | 18.94                    | 18.97                         | 18.92                  |                     |          |                     |          |
| 15                | 256QAM     | 75      | 0         | 18.89                 | 19.04                        | 19.03                    | 18.94                         | 18.94                  |                     |          |                     |          |
| Channel           |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |                     |          |
| 10                | QPSK       | 1       | 0         | 21.96                 | 22.06                        | 22.18                    | 21.85                         | 22.02                  | 23.00               | 0        |                     |          |
| 10                | QPSK       | 1       | 25        | 21.86                 | 22.01                        | 21.97                    | 21.92                         | 22.00                  |                     |          |                     |          |
| 10                | QPSK       | 1       | 49        | 21.83                 | 21.76                        | 21.96                    | 21.85                         | 21.78                  |                     |          |                     |          |
| 10                | QPSK       | 25      | 0         | 21.86                 | 21.92                        | 22.01                    | 21.98                         | 22.03                  |                     |          |                     |          |
| 10                | QPSK       | 25      | 12        | 21.85                 | 21.93                        | 21.95                    | 21.89                         | 21.99                  |                     |          |                     |          |
| 10                | QPSK       | 25      | 25        | 21.71                 | 21.80                        | 21.89                    | 21.77                         | 21.66                  | 23                  | 0        |                     |          |
| 10                | QPSK       | 50      | 0         | 21.67                 | 21.82                        | 21.93                    | 21.86                         | 21.93                  |                     |          |                     |          |
| 10                | 16QAM      | 1       | 0         | 21.80                 | 21.91                        | 22.03                    | 21.84                         | 21.92                  |                     |          |                     |          |
| 10                | 16QAM      | 1       | 25        | 21.82                 | 21.88                        | 21.93                    | 21.80                         | 21.84                  |                     |          |                     |          |
| 10                | 16QAM      | 1       | 49        | 21.77                 | 21.80                        | 21.88                    | 21.77                         | 21.69                  |                     |          |                     |          |
| 10                | 16QAM      | 25      | 0         | 21.71                 | 21.85                        | 22.04                    | 21.88                         | 21.91                  | 23                  | 0        |                     |          |
| 10                | 16QAM      | 25      | 12        | 21.68                 | 21.70                        | 21.85                    | 21.78                         | 21.85                  |                     |          |                     |          |
| 10                | 16QAM      | 25      | 25        | 21.60                 | 21.67                        | 21.75                    | 21.62                         | 21.71                  |                     |          |                     |          |
| 10                | 16QAM      | 50      | 0         | 21.63                 | 21.80                        | 21.90                    | 21.69                         | 21.82                  |                     |          |                     |          |
| 10                | 64QAM      | 1       | 0         | 21.87                 | 21.89                        | 21.92                    | 21.75                         | 21.90                  |                     |          |                     |          |
| 10                | 64QAM      | 1       | 25        | 21.77                 | 21.86                        | 21.94                    | 21.70                         | 21.78                  | 23                  | 0        |                     |          |
| 10                | 64QAM      | 1       | 49        | 21.73                 | 21.84                        | 21.91                    | 21.73                         | 21.91                  |                     |          |                     |          |
| 10                | 64QAM      | 25      | 0         | 20.91                 | 20.97                        | 21.05                    | 20.88                         | 20.98                  |                     |          |                     |          |
| 10                | 64QAM      | 25      | 12        | 20.83                 | 20.72                        | 20.84                    | 20.84                         | 20.73                  |                     |          |                     |          |
| 10                | 64QAM      | 25      | 25        | 20.84                 | 20.79                        | 20.85                    | 20.78                         | 20.70                  |                     |          |                     |          |
| 10                | 64QAM      | 50      | 0         | 21.01                 | 21.00                        | 21.07                    | 20.93                         | 21.00                  | 22                  | 1        |                     |          |
| 10                | 256QAM     | 1       | 0         | 18.93                 | 18.89                        | 18.89                    | 18.92                         | 18.91                  |                     |          |                     |          |
| 10                | 256QAM     | 1       | 25        | 18.76                 | 18.68                        | 18.79                    | 18.84                         | 18.80                  |                     |          |                     |          |
| 10                | 256QAM     | 1       | 49        | 18.89                 | 18.94                        | 18.95                    | 18.75                         | 18.89                  |                     |          |                     |          |
| 10                | 256QAM     | 25      | 0         | 19.06                 | 18.91                        | 19.01                    | 19.01                         | 18.97                  |                     |          |                     |          |
| 10                | 256QAM     | 25      | 12        | 18.83                 | 18.83                        | 18.93                    | 18.82                         | 18.78                  | 20                  | 3        |                     |          |
| 10                | 256QAM     | 25      | 25        | 18.93                 | 18.96                        | 19.00                    | 18.95                         | 18.97                  |                     |          |                     |          |
| 10                | 256QAM     | 50      | 0         | 18.94                 | 19.05                        | 19.02                    | 18.93                         | 19.00                  |                     |          |                     |          |
| Channel           |            |         |           | 39675                 | 40148                        | 40620                    | 41093                         | 41565                  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 2498.5                | 2545.8                       | 2593                     | 2640.30                       | 2687.5                 |                     |          |                     |          |
| 5                 | QPSK       | 1       | 0         | 21.86                 | 22.10                        | 22.16                    | 21.89                         | 22.00                  | 23.00               | 0        |                     |          |
| 5                 | QPSK       | 1       | 12        | 21.85                 | 22.02                        | 22.04                    | 21.84                         | 22.00                  |                     |          |                     |          |
| 5                 | QPSK       | 1       | 24        | 21.86                 | 21.75                        | 21.99                    | 21.91                         | 21.78                  |                     |          |                     |          |
| 5                 | QPSK       | 12      | 0         | 21.87                 | 21.92                        | 22.03                    | 21.88                         | 21.94                  |                     |          |                     |          |
| 5                 | QPSK       | 12      | 7         | 21.79                 | 21.83                        | 22.04                    | 21.89                         | 21.96                  |                     |          |                     |          |
| 5                 | QPSK       | 12      | 13        | 21.71                 | 21.90                        | 21.87                    | 21.76                         | 21.71                  | 23                  | 0        |                     |          |
| 5                 | QPSK       | 25      | 0         | 21.66                 | 21.79                        | 21.99                    | 21.90                         | 21.97                  |                     |          |                     |          |
| 5                 | 16QAM      | 1       | 0         | 21.86                 | 22.02                        | 22.03                    | 21.82                         | 21.94                  |                     |          |                     |          |
| 5                 | 16QAM      | 1       | 12        | 21.81                 | 21.89                        | 21.84                    | 21.81                         | 21.87                  |                     |          |                     |          |
| 5                 | 16QAM      | 1       | 24        | 21.75                 | 21.80                        | 21.84                    | 21.78                         | 21.68                  |                     |          |                     |          |
| 5                 | 16QAM      | 12      | 0         | 21.73                 | 21.89                        | 21.96                    | 21.87                         | 21.91                  | 23                  | 0        |                     |          |
| 5                 | 16QAM      | 12      | 7         | 21.84                 | 21.74                        | 21.84                    | 21.73                         | 21.87                  |                     |          |                     |          |
| 5                 | 16QAM      | 12      | 13        | 21.71                 | 21.79                        | 21.73                    | 21.71                         | 21.68                  |                     |          |                     |          |
| 5                 | 16QAM      | 25      | 0         | 21.53                 | 21.74                        | 21.88                    | 21.71                         | 21.83                  |                     |          |                     |          |
| 5                 | 64QAM      | 1       | 0         | 21.83                 | 21.82                        | 21.97                    | 21.74                         | 21.89                  |                     |          |                     |          |
| 5                 | 64QAM      | 1       | 12        | 21.76                 | 21.88                        | 21.94                    | 21.74                         | 21.77                  | 23                  | 0        |                     |          |
| 5                 | 64QAM      | 1       | 24        | 21.79                 | 21.83                        | 21.88                    | 21.78                         | 21.87                  |                     |          |                     |          |
| 5                 | 64QAM      | 12      | 0         | 20.96                 | 20.94                        | 21.04                    | 20.95                         | 20.92                  |                     |          |                     |          |
| 5                 | 64QAM      | 12      | 7         | 20.89                 | 20.81                        | 20.86                    | 20.82                         | 20.72                  |                     |          |                     |          |
| 5                 | 64QAM      | 12      | 13        | 20.90                 | 20.80                        | 20.89                    | 20.76                         | 20.70                  |                     |          |                     |          |
| 5                 | 64QAM      | 25      | 0         | 20.90                 | 21.03                        | 20.96                    | 20.84                         | 21.00                  | 22                  | 1        |                     |          |
| 5                 | 256QAM     | 1       | 0         | 18.92                 | 18.90                        | 18.90                    | 18.88                         | 18.95                  |                     |          |                     |          |
| 5                 | 256QAM     | 1       | 12        | 18.74                 | 18.69                        | 18.84                    | 18.79                         | 18.75                  |                     |          |                     |          |
| 5                 | 256QAM     | 1       | 24        | 18.98                 | 18.92                        | 18.96                    | 18.82                         | 18.89                  |                     |          |                     |          |
| 5                 | 256QAM     | 12      | 0         | 19.00                 | 18.94                        | 19.07                    | 19.02                         | 19.00                  |                     |          |                     |          |
| 5                 | 256QAM     | 12      | 7         | 18.86                 | 18.81                        | 18.93                    | 18.77                         | 18.80                  | 20                  | 3        |                     |          |
| 5                 | 256QAM     | 12      | 13        | 18.90                 | 18.90                        | 18.92                    | 18.88                         | 18.99                  |                     |          |                     |          |
| 5                 | 256QAM     | 25      | 0         | 18.92                 | 19.04                        | 18.94                    | 18.88                         | 18.95                  |                     |          |                     |          |
| 5                 | 256QAM     | 25      | 0         | 18.92                 | 19.04                        | 18.94                    | 18.88                         | 18.95                  |                     |          |                     |          |
| 5                 | 256QAM     | 25      | 0         | 18.92                 | 19.04                        | 18.94                    | 18.88                         | 18.95                  |                     |          |                     |          |

### GSM850 Ant1 Default

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| TX Channel      | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| Frequency (MHz) | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   | 32.89                     | 32.93 | 32.87 | 34.50               | 23.89                     | 23.93 | 23.87 | 25.50               |
| GPRS 1 Tx slot  | 32.82                     | 32.89 | 32.83 | 34.50               | 23.82                     | 23.89 | 23.83 | 25.50               |
| GPRS 2 Tx slots | 29.83                     | 29.86 | 29.93 | 31.50               | 23.93                     | 23.86 | 23.93 | 25.50               |
| GPRS 3 Tx slots | 28.02                     | 28.12 | 28.06 | 30.00               | 23.76                     | 23.86 | 23.80 | 25.74               |
| GPRS 4 Tx slots | 26.61                     | 26.75 | 26.71 | 28.50               | 23.61                     | 23.75 | 23.71 | 25.50               |
| EDGE 1 Tx slot  | 26.96                     | 27.05 | 26.97 | 28.00               | 17.96                     | 18.05 | 17.97 | 19.00               |
| EDGE 2 Tx slots | 24.12                     | 24.16 | 24.08 | 25.00               | 18.12                     | 18.16 | 18.08 | 19.00               |
| EDGE 3 Tx slots | 22.16                     | 22.21 | 22.13 | 23.00               | 17.90                     | 17.95 | 17.87 | 18.74               |
| EDGE 4 Tx slots | 20.64                     | 20.78 | 20.64 | 22.00               | 17.64                     | 17.78 | 17.64 | 18.00               |

### WCDMA V Ant1 DS14

| Band                               | WCDMA V |       |       | Tune-up Limit (dBm) |
|------------------------------------|---------|-------|-------|---------------------|
| TX Channel                         | 4132    | 4182  | 4233  |                     |
| Rx Channel                         | 4357    | 4407  | 4458  |                     |
| Frequency (MHz)                    | 626.4   | 836.4 | 846.6 |                     |
| 3GPP Rel 99 RMC 12.2kbps           | 22.75   | 23.04 | 22.74 | 24.50               |
| 3GPP Rel 99 RMC 12.2kbps           | 22.81   | 23.06 | 22.71 | 24.50               |
| 3GPP Rel 6 HSDPA Subtest-1         | 21.95   | 22.09 | 21.86 | 23.50               |
| 3GPP Rel 6 HSDPA Subtest-2         | 21.91   | 22.14 | 21.84 | 23.50               |
| 3GPP Rel 6 HSDPA Subtest-3         | 21.48   | 21.71 | 21.43 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-4         | 21.43   | 21.53 | 21.37 | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-1      | 21.95   | 22.03 | 21.84 | 23.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-2      | 21.91   | 22.19 | 21.87 | 23.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-3      | 21.44   | 21.67 | 21.52 | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-4      | 21.39   | 21.51 | 21.35 | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-1         | 22.04   | 22.16 | 21.84 | 23.50               |
| 3GPP Rel 6 HSUPA Subtest-2         | 19.95   | 20.17 | 19.87 | 21.50               |
| 3GPP Rel 6 HSUPA Subtest-3         | 20.94   | 21.18 | 20.82 | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-4         | 20.02   | 20.14 | 19.87 | 21.50               |
| 3GPP Rel 6 HSUPA Subtest-5         | 22.04   | 22.15 | 21.81 | 23.50               |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 19.33   | 19.64 | 19.58 | 21.00               |

| Band 4 Ant1 DSI4                                                                                                                                                                                                                                                                                |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-----------|-----------------------------|------------------------|------------------------|-------------------------|-------------|------|---|--|--|
| RF (MHz)                                                                                                                                                                                                                                                                                        | Modulation | RB Size | RB Offset | Power<br>Ch./Freq.<br>20000 | Power<br>Mod.<br>20075 | Power<br>Hgt.<br>20000 | Turn-up<br>rate<br>(dB) | MPN<br>(dB) |      |   |  |  |
| Channel                                                                                                                                                                                                                                                                                         |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| Frequency (MHz)                                                                                                                                                                                                                                                                                 |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | QPSK       | 1       | 0         | 18.13                       | 18.19                  | 18.19                  |                         |             | 18.5 | 0 |  |  |
| 20                                                                                                                                                                                                                                                                                              | QPSK       | 1       | 49        | 17.86                       | 17.85                  | 17.82                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | QPSK       | 1       | 99        | 17.77                       | 17.81                  | 17.76                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | QPSK       | 50      | 0         | 17.91                       | 17.89                  | 17.84                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | QPSK       | 50      | 24        | 17.91                       | 17.88                  | 17.87                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | QPSK       | 50      | 49        | 17.77                       | 17.84                  | 17.78                  |                         |             | 18.5 | 0 |  |  |
| 20                                                                                                                                                                                                                                                                                              | QPSK       | 100     | 0         | 17.85                       | 17.86                  | 17.79                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 0         | 17.86                       | 17.85                  | 17.81                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 49        | 17.78                       | 17.80                  | 17.75                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 99        | 17.70                       | 17.76                  | 17.73                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 50      | 0         | 17.85                       | 17.84                  | 17.83                  |                         |             | 18.5 | 0 |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 50      | 24        | 17.85                       | 17.84                  | 17.83                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 50      | 49        | 17.77                       | 17.85                  | 17.77                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 100     | 0         | 17.82                       | 17.89                  | 17.77                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 100     | 0         | 17.79                       | 17.80                  | 17.84                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 49        | 17.84                       | 17.85                  | 17.75                  |                         |             | 18.5 | 0 |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 99        | 17.68                       | 17.74                  | 17.73                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 50      | 0         | 17.87                       | 17.89                  | 17.82                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 50      | 24        | 17.89                       | 17.89                  | 17.82                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 50      | 50        | 17.74                       | 17.77                  | 17.77                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 100     | 0         | 17.81                       | 17.87                  | 17.72                  |                         |             | 18.5 | 0 |  |  |
| 20                                                                                                                                                                                                                                                                                              | 16QAM      | 100     | 0         | 17.82                       | 17.86                  | 17.78                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 256QAM     | 1       | 49        | 17.85                       | 17.88                  | 17.79                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 256QAM     | 1       | 99        | 17.72                       | 17.78                  | 17.74                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 256QAM     | 50      | 0         | 17.86                       | 17.86                  | 17.81                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 256QAM     | 50      | 24        | 17.86                       | 17.86                  | 17.81                  |                         |             | 18.5 | 0 |  |  |
| 20                                                                                                                                                                                                                                                                                              | 256QAM     | 50      | 49        | 17.78                       | 17.85                  | 17.85                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 256QAM     | 50      | 50        | 17.74                       | 17.83                  | 17.71                  |                         |             |      |   |  |  |
| 20                                                                                                                                                                                                                                                                                              | 256QAM     | 100     | 0         | 17.79                       | 17.86                  | 17.76                  |                         |             |      |   |  |  |
| Channel <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| Frequency (MHz)                                                                                                                                                                                                                                                                                 |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | QPSK       | 1       | 0         | 17.17                       | 17.215                 | 17.475                 | Turn-up<br>rate<br>(dB) | MPN<br>(dB) | 18.5 | 0 |  |  |
| 15                                                                                                                                                                                                                                                                                              | QPSK       | 1       | 37        | 17.74                       | 17.81                  | 17.777                 |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | QPSK       | 1       | 74        | 17.83                       | 17.74                  | 17.86                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | QPSK       | 36      | 0         | 17.86                       | 17.89                  | 17.78                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | QPSK       | 36      | 36        | 17.81                       | 17.82                  | 17.81                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | QPSK       | 36      | 39        | 17.84                       | 17.73                  | 17.72                  |                         |             | 18.5 | 0 |  |  |
| 15                                                                                                                                                                                                                                                                                              | QPSK       | 75      | 0         | 17.86                       | 17.86                  | 17.82                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | QPSK       | 0       | 17.75     | 17.82                       | 17.76                  |                        |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 37        | 17.87                       | 17.81                  | 17.78                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 74        | 17.80                       | 17.86                  | 17.87                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 36      | 0         | 17.80                       | 17.77                  | 17.78                  |                         |             | 18.5 | 0 |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 36      | 20        | 17.78                       | 17.77                  | 17.81                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 36      | 39        | 17.85                       | 17.71                  | 17.73                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 75      | 0         | 17.79                       | 17.81                  | 17.79                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 0         | 17.79                       | 17.77                  | 17.83                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 37        | 17.69                       | 17.72                  | 17.69                  |                         |             | 18.5 | 0 |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 74        | 17.55                       | 17.64                  | 17.65                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 36      | 0         | 17.77                       | 17.76                  | 17.68                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 36      | 20        | 17.78                       | 17.62                  | 17.78                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 16QAM      | 36      | 39        | 17.60                       | 17.62                  | 17.68                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 256QAM     | 1       | 0         | 17.89                       | 17.74                  | 17.68                  |                         |             | 18.5 | 0 |  |  |
| 15                                                                                                                                                                                                                                                                                              | 256QAM     | 1       | 37        | 17.82                       | 17.80                  | 17.86                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 256QAM     | 1       | 74        | 17.69                       | 17.64                  | 17.69                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 256QAM     | 36      | 0         | 17.80                       | 17.84                  | 17.67                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 256QAM     | 36      | 20        | 17.85                       | 17.82                  | 17.76                  |                         |             |      |   |  |  |
| 15                                                                                                                                                                                                                                                                                              | 256QAM     | 36      | 39        | 17.85                       | 17.77                  | 17.82                  |                         |             | 18.5 | 0 |  |  |
| 15                                                                                                                                                                                                                                                                                              | 256QAM     | 75      | 0         | 17.70                       | 17.83                  | 17.75                  |                         |             |      |   |  |  |
| Channel <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| Frequency (MHz)                                                                                                                                                                                                                                                                                 |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | QPSK       | 1       | 0         | 17.77                       | 17.69                  | 17.84                  | Turn-up<br>rate<br>(dB) | MPN<br>(dB) | 18.5 | 0 |  |  |
| 10                                                                                                                                                                                                                                                                                              | QPSK       | 1       | 25        | 17.77                       | 17.84                  | 17.73                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | QPSK       | 25      | 0         | 17.72                       | 17.72                  | 17.72                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | QPSK       | 25      | 0         | 17.85                       | 17.89                  | 17.71                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | QPSK       | 25      | 12        | 17.85                       | 17.85                  | 17.82                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | QPSK       | 25      | 0         | 17.75                       | 17.80                  | 17.85                  |                         |             | 18.5 | 0 |  |  |
| 10                                                                                                                                                                                                                                                                                              | QPSK       | 50      | 0         | 17.76                       | 17.88                  | 17.78                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 0         | 17.78                       | 17.88                  | 17.78                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 49        | 17.83                       | 17.69                  | 17.60                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 25      | 0         | 17.73                       | 17.80                  | 17.79                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 25      | 12        | 17.78                       | 17.81                  | 17.74                  |                         |             | 18.5 | 0 |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 25      | 25        | 17.87                       | 17.69                  | 17.72                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 50      | 0         | 17.87                       | 17.85                  | 17.72                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 0         | 17.86                       | 17.88                  | 17.85                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 25        | 17.72                       | 17.85                  | 17.68                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 1       | 49        | 17.56                       | 17.64                  | 17.68                  |                         |             | 18.5 | 0 |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 25      | 0         | 17.78                       | 17.85                  | 17.77                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 25      | 12        | 17.78                       | 17.84                  | 17.73                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 25      | 25        | 17.88                       | 17.70                  | 17.62                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 16QAM      | 50      | 0         | 17.79                       | 17.81                  | 17.62                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 256QAM     | 1       | 25        | 17.77                       | 17.78                  | 17.86                  |                         |             | 18.5 | 0 |  |  |
| 10                                                                                                                                                                                                                                                                                              | 256QAM     | 1       | 49        | 17.68                       | 17.66                  | 17.69                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 256QAM     | 25      | 0         | 17.82                       | 17.75                  | 17.77                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 256QAM     | 25      | 12        | 17.74                       | 17.73                  | 17.81                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 256QAM     | 25      | 25        | 17.61                       | 17.75                  | 17.60                  |                         |             |      |   |  |  |
| 10                                                                                                                                                                                                                                                                                              | 256QAM     | 50      | 0         | 17.75                       | 17.81                  | 17.74                  |                         |             | 18.5 | 0 |  |  |
| Channel <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| Frequency (MHz)                                                                                                                                                                                                                                                                                 |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | QPSK       | 1       | 0         | 17.13                       | 17.215                 | 17.615                 | Turn-up<br>rate<br>(dB) | MPN<br>(dB) | 18.5 | 0 |  |  |
| 5                                                                                                                                                                                                                                                                                               | QPSK       | 1       | 12        | 17.72                       | 17.80                  | 17.74                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | QPSK       | 1       | 24        | 17.66                       | 17.72                  | 17.81                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | QPSK       | 12      | 0         | 17.85                       | 17.81                  | 17.69                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | QPSK       | 12      | 7         | 17.83                       | 17.84                  | 17.77                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | QPSK       | 12      | 13        | 17.63                       | 17.74                  | 17.70                  |                         |             | 18.5 | 0 |  |  |
| 5                                                                                                                                                                                                                                                                                               | QPSK       | 25      | 0         | 17.23                       | 17.81                  | 17.72                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 1       | 0         | 17.73                       | 17.81                  | 17.80                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 1       | 12        | 17.78                       | 17.76                  | 17.73                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 1       | 24        | 17.60                       | 17.64                  | 17.65                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 12      | 0         | 17.78                       | 17.79                  | 17.79                  |                         |             | 18.5 | 0 |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 12      | 7         | 17.79                       | 17.77                  | 17.73                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 12      | 13        | 17.67                       | 17.72                  | 17.67                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 25      | 0         | 17.73                       | 17.81                  | 17.79                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 1       | 0         | 17.75                       | 17.89                  | 17.85                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 1       | 12        | 17.74                       | 17.82                  | 17.67                  |                         |             | 18.5 | 0 |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 1       | 24        | 17.58                       | 17.64                  | 17.68                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 12      | 0         | 17.74                       | 17.76                  | 17.72                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 12      | 7         | 17.83                       | 17.75                  | 17.72                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 12      | 13        | 17.69                       | 17.81                  | 17.67                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 16QAM      | 25      | 0         | 17.69                       | 17.81                  | 17.67                  |                         |             | 18.5 | 0 |  |  |
| 5                                                                                                                                                                                                                                                                                               | 256QAM     | 1       | 0         | 17.72                       | 17.86                  | 17.80                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 256QAM     | 1       | 12        | 17.58                       | 17.65                  | 17.69                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 256QAM     | 1       | 24        | 17.58                       | 17.65                  | 17.69                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 256QAM     | 12      | 0         | 17.78                       | 17.83                  | 17.76                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 256QAM     | 12      | 7         | 17.83                       | 17.77                  | 17.72                  |                         |             | 18.5 | 0 |  |  |
| 5                                                                                                                                                                                                                                                                                               | 256QAM     | 12      | 13        | 17.63                       | 17.77                  | 17.67                  |                         |             |      |   |  |  |
| 5                                                                                                                                                                                                                                                                                               | 256QAM     | 25      | 0         | 17.66                       | 17.82                  | 17.71                  |                         |             |      |   |  |  |
| Channel <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| Frequency (MHz)                                                                                                                                                                                                                                                                                 |            |         |           |                             |                        |                        |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | QPSK       | 1       | 0         | 17.06                       | 18.01                  | 18.06                  | Turn-up<br>rate<br>(dB) | MPN<br>(dB) | 18.5 | 0 |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | QPSK       | 1       | 3         | 17.92                       | 18.00                  | 17.92                  |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | QPSK       | 1       | 5         | 17.86                       | 17.94                  | 17.86                  |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | QPSK       | 3       | 0         | 18.03                       | 17.96                  | 17.91                  |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | QPSK       | 3       | 1         | 17.97                       | 17.86                  | 17.84                  |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | QPSK       | 3       | 3         | 17.90                       | 17.97                  | 17.84                  |                         |             | 18.5 | 0 |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | 16QAM      | 1       | 0         | 17.89                       | 17.96                  | 17.91                  |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | 16QAM      | 1       | 3         | 17.90                       | 17.84                  | 17.89                  |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | 16QAM      | 1       | 5         | 17.89                       | 17.86                  | 17.89                  |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | 16QAM      | 3       | 0         | 17.76                       | 17.82                  | 17.80                  |                         |             |      |   |  |  |
| 1.4                                                                                                                                                                                                                                                                                             | 16QAM      | 3       | 1         | 17.86                       | 17.89                  | 1                      |                         |             |      |   |  |  |

| Band 38 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20                   | QPSK       | 1       | 0         | 22.85                 | 22.94                    | 22.69                  | 24                  | 0        |  |
| 20                   | QPSK       | 1       | 49        | 22.74                 | 22.81                    | 22.81                  |                     |          |  |
| 20                   | QPSK       | 1       | 99        | 22.80                 | 22.68                    | 22.86                  |                     |          |  |
| 20                   | QPSK       | 50      | 0         | 21.79                 | 21.88                    | 21.82                  |                     |          |  |
| 20                   | QPSK       | 50      | 24        | 21.71                 | 21.76                    | 21.76                  | 23                  | 1        |  |
| 20                   | QPSK       | 50      | 50        | 21.74                 | 21.68                    | 21.66                  |                     |          |  |
| 20                   | QPSK       | 100     | 0         | 21.72                 | 21.86                    | 21.70                  |                     |          |  |
| 20                   | 16QAM      | 1       | 0         | 21.81                 | 21.84                    | 21.85                  |                     |          |  |
| 20                   | 16QAM      | 1       | 49        | 21.82                 | 21.68                    | 21.86                  | 23                  | 1        |  |
| 20                   | 16QAM      | 1       | 99        | 21.75                 | 21.66                    | 21.82                  |                     |          |  |
| 20                   | 16QAM      | 50      | 0         | 20.83                 | 20.85                    | 20.82                  |                     |          |  |
| 20                   | 16QAM      | 50      | 24        | 20.80                 | 20.80                    | 20.80                  |                     |          |  |
| 20                   | 16QAM      | 50      | 50        | 20.68                 | 20.71                    | 20.72                  | 22                  | 2        |  |
| 20                   | 16QAM      | 100     | 0         | 20.74                 | 20.77                    | 20.73                  |                     |          |  |
| 20                   | 64QAM      | 1       | 0         | 20.82                 | 20.85                    | 20.87                  |                     |          |  |
| 20                   | 64QAM      | 1       | 49        | 20.78                 | 20.83                    | 20.77                  |                     |          |  |
| 20                   | 64QAM      | 1       | 99        | 20.73                 | 20.70                    | 20.78                  | 22                  | 2        |  |
| 20                   | 64QAM      | 50      | 0         | 19.86                 | 19.87                    | 19.87                  |                     |          |  |
| 20                   | 64QAM      | 50      | 24        | 19.73                 | 19.81                    | 19.81                  |                     |          |  |
| 20                   | 64QAM      | 50      | 50        | 19.70                 | 19.72                    | 19.71                  |                     |          |  |
| 20                   | 64QAM      | 100     | 0         | 19.76                 | 19.78                    | 19.78                  | 21                  | 3        |  |
| 20                   | 256QAM     | 1       | 0         | 17.79                 | 17.86                    | 17.82                  |                     |          |  |
| 20                   | 256QAM     | 1       | 49        | 17.76                 | 17.83                    | 17.82                  |                     |          |  |
| 20                   | 256QAM     | 1       | 99        | 17.66                 | 17.68                    | 17.71                  |                     |          |  |
| 20                   | 256QAM     | 50      | 0         | 17.81                 | 17.92                    | 17.88                  | 19                  | 5        |  |
| 20                   | 256QAM     | 50      | 24        | 17.85                 | 17.85                    | 17.87                  |                     |          |  |
| 20                   | 256QAM     | 50      | 50        | 17.69                 | 17.76                    | 17.72                  |                     |          |  |
| 20                   | 256QAM     | 100     | 0         | 17.74                 | 17.79                    | 17.75                  |                     |          |  |
| Channel              |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                   | QPSK       | 1       | 0         | 22.85                 | 22.88                    | 22.69                  |                     |          |  |
| 15                   | QPSK       | 1       | 37        | 22.73                 | 22.75                    | 22.82                  | 24                  | 0        |  |
| 15                   | QPSK       | 1       | 74        | 22.79                 | 22.74                    | 22.82                  |                     |          |  |
| 15                   | QPSK       | 36      | 0         | 21.83                 | 21.84                    | 21.77                  |                     |          |  |
| 15                   | QPSK       | 36      | 20        | 21.72                 | 21.70                    | 21.72                  |                     |          |  |
| 15                   | QPSK       | 36      | 39        | 21.66                 | 21.69                    | 21.66                  | 23                  | 1        |  |
| 15                   | QPSK       | 75      | 0         | 21.77                 | 21.69                    | 21.71                  |                     |          |  |
| 15                   | 16QAM      | 1       | 0         | 21.87                 | 21.84                    | 21.83                  |                     |          |  |
| 15                   | 16QAM      | 1       | 37        | 21.86                 | 21.78                    | 21.83                  |                     |          |  |
| 15                   | 16QAM      | 1       | 74        | 21.80                 | 21.68                    | 21.79                  | 22                  | 2        |  |
| 15                   | 16QAM      | 36      | 0         | 20.89                 | 20.83                    | 20.84                  |                     |          |  |
| 15                   | 16QAM      | 36      | 20        | 20.85                 | 20.78                    | 20.80                  |                     |          |  |
| 15                   | 16QAM      | 36      | 39        | 20.72                 | 20.70                    | 20.72                  |                     |          |  |
| 15                   | 16QAM      | 75      | 0         | 20.75                 | 20.77                    | 20.69                  | 22                  | 2        |  |
| 15                   | 64QAM      | 1       | 0         | 20.80                 | 20.83                    | 20.88                  |                     |          |  |
| 15                   | 64QAM      | 1       | 37        | 20.77                 | 20.76                    | 20.78                  |                     |          |  |
| 15                   | 64QAM      | 1       | 74        | 20.76                 | 20.74                    | 20.80                  |                     |          |  |
| 15                   | 64QAM      | 36      | 0         | 19.88                 | 19.83                    | 19.82                  | 21                  | 3        |  |
| 15                   | 64QAM      | 36      | 20        | 19.74                 | 19.78                    | 19.81                  |                     |          |  |
| 15                   | 64QAM      | 36      | 39        | 19.70                 | 19.69                    | 19.70                  |                     |          |  |
| 15                   | 64QAM      | 75      | 0         | 19.76                 | 19.74                    | 19.73                  |                     |          |  |
| 15                   | 256QAM     | 1       | 0         | 17.81                 | 17.85                    | 17.78                  | 19                  | 5        |  |
| 15                   | 256QAM     | 1       | 37        | 17.75                 | 17.80                    | 17.78                  |                     |          |  |
| 15                   | 256QAM     | 1       | 74        | 17.70                 | 17.73                    | 17.66                  |                     |          |  |
| 15                   | 256QAM     | 36      | 0         | 17.90                 | 17.88                    | 17.85                  |                     |          |  |
| 15                   | 256QAM     | 36      | 20        | 17.87                 | 17.81                    | 17.83                  | 19                  | 5        |  |
| 15                   | 256QAM     | 36      | 39        | 17.67                 | 17.72                    | 17.73                  |                     |          |  |
| 15                   | 256QAM     | 75      | 0         | 17.75                 | 17.75                    | 17.74                  |                     |          |  |
| Channel              |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                   | QPSK       | 1       | 0         | 22.85                 | 22.87                    | 22.75                  |                     |          |  |
| 10                   | QPSK       | 1       | 25        | 22.77                 | 22.89                    | 22.81                  | 24                  | 0        |  |
| 10                   | QPSK       | 1       | 49        | 22.88                 | 22.70                    | 22.82                  |                     |          |  |
| 10                   | QPSK       | 25      | 0         | 21.85                 | 21.86                    | 21.81                  |                     |          |  |
| 10                   | QPSK       | 25      | 12        | 21.74                 | 21.77                    | 21.73                  |                     |          |  |
| 10                   | QPSK       | 25      | 25        | 21.67                 | 21.68                    | 21.66                  | 23                  | 1        |  |
| 10                   | QPSK       | 50      | 0         | 21.75                 | 21.78                    | 21.73                  |                     |          |  |
| 10                   | 16QAM      | 1       | 0         | 21.87                 | 21.92                    | 21.89                  |                     |          |  |
| 10                   | 16QAM      | 1       | 25        | 21.86                 | 21.87                    | 21.85                  |                     |          |  |
| 10                   | 16QAM      | 1       | 49        | 21.82                 | 21.72                    | 21.82                  | 22                  | 2        |  |
| 10                   | 16QAM      | 25      | 0         | 20.84                 | 20.90                    | 20.85                  |                     |          |  |
| 10                   | 16QAM      | 25      | 12        | 20.88                 | 20.84                    | 20.78                  |                     |          |  |
| 10                   | 16QAM      | 25      | 25        | 20.75                 | 20.72                    | 20.71                  |                     |          |  |
| 10                   | 16QAM      | 50      | 0         | 20.75                 | 20.82                    | 20.69                  | 22                  | 2        |  |
| 10                   | 16QAM      | 50      | 0         | 20.83                 | 20.90                    | 20.86                  |                     |          |  |
| 10                   | 64QAM      | 1       | 0         | 20.85                 | 20.84                    | 20.73                  |                     |          |  |
| 10                   | 64QAM      | 1       | 49        | 20.75                 | 20.73                    | 20.80                  |                     |          |  |
| 10                   | 64QAM      | 25      | 0         | 19.87                 | 19.87                    | 19.86                  | 21                  | 3        |  |
| 10                   | 64QAM      | 25      | 12        | 19.74                 | 19.82                    | 19.79                  |                     |          |  |
| 10                   | 64QAM      | 25      | 25        | 19.78                 | 19.76                    | 19.73                  |                     |          |  |
| 10                   | 64QAM      | 50      | 0         | 19.78                 | 19.84                    | 19.74                  |                     |          |  |
| 10                   | 256QAM     | 1       | 0         | 17.82                 | 17.94                    | 17.85                  | 19                  | 5        |  |
| 10                   | 256QAM     | 1       | 25        | 17.81                 | 17.86                    | 17.84                  |                     |          |  |
| 10                   | 256QAM     | 1       | 49        | 17.71                 | 17.74                    | 17.66                  |                     |          |  |
| 10                   | 256QAM     | 25      | 0         | 17.97                 | 17.92                    | 17.91                  |                     |          |  |
| 10                   | 256QAM     | 25      | 12        | 17.89                 | 17.86                    | 17.89                  | 19                  | 5        |  |
| 10                   | 256QAM     | 25      | 25        | 17.76                 | 17.80                    | 17.72                  |                     |          |  |
| 10                   | 256QAM     | 50      | 0         | 17.68                 | 17.81                    | 17.72                  |                     |          |  |
| Channel              |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                    | QPSK       | 1       | 0         | 22.75                 | 22.82                    | 22.68                  |                     |          |  |
| 5                    | QPSK       | 1       | 12        | 22.67                 | 22.78                    | 22.80                  | 24                  | 0        |  |
| 5                    | QPSK       | 1       | 24        | 22.77                 | 22.69                    | 22.83                  |                     |          |  |
| 5                    | QPSK       | 12      | 0         | 21.74                 | 21.84                    | 21.81                  |                     |          |  |
| 5                    | QPSK       | 12      | 7         | 21.66                 | 21.73                    | 21.73                  |                     |          |  |
| 5                    | QPSK       | 12      | 13        | 21.76                 | 21.72                    | 21.71                  | 23                  | 1        |  |
| 5                    | QPSK       | 25      | 0         | 21.68                 | 21.75                    | 21.68                  |                     |          |  |
| 5                    | 16QAM      | 1       | 0         | 21.74                 | 21.85                    | 21.82                  |                     |          |  |
| 5                    | 16QAM      | 1       | 12        | 21.78                 | 21.89                    | 21.83                  |                     |          |  |
| 5                    | 16QAM      | 1       | 24        | 21.66                 | 21.67                    | 21.76                  | 22                  | 2        |  |
| 5                    | 16QAM      | 12      | 0         | 20.75                 | 20.86                    | 20.79                  |                     |          |  |
| 5                    | 16QAM      | 12      | 7         | 20.76                 | 20.81                    | 20.78                  |                     |          |  |
| 5                    | 16QAM      | 12      | 13        | 20.70                 | 20.72                    | 20.67                  |                     |          |  |
| 5                    | 16QAM      | 25      | 0         | 20.67                 | 20.79                    | 20.68                  | 22                  | 2        |  |
| 5                    | 64QAM      | 1       | 0         | 20.75                 | 20.81                    | 20.80                  |                     |          |  |
| 5                    | 64QAM      | 1       | 12        | 20.74                 | 20.82                    | 20.70                  |                     |          |  |
| 5                    | 64QAM      | 1       | 24        | 20.66                 | 20.69                    | 20.74                  |                     |          |  |
| 5                    | 64QAM      | 12      | 0         | 19.76                 | 19.85                    | 19.84                  | 21                  | 3        |  |
| 5                    | 64QAM      | 12      | 7         | 19.70                 | 19.79                    | 19.74                  |                     |          |  |
| 5                    | 64QAM      | 12      | 13        | 19.66                 | 19.71                    | 19.66                  |                     |          |  |
| 5                    | 64QAM      | 25      | 0         | 19.71                 | 19.80                    | 19.78                  |                     |          |  |
| 5                    | 256QAM     | 1       | 0         | 17.71                 | 17.88                    | 17.75                  | 19                  | 5        |  |
| 5                    | 256QAM     | 1       | 12        | 17.67                 | 17.83                    | 17.77                  |                     |          |  |
| 5                    | 256QAM     | 1       | 24        | 17.70                 | 17.66                    | 17.69                  |                     |          |  |
| 5                    | 256QAM     | 12      | 0         | 17.85                 | 17.93                    | 17.81                  |                     |          |  |
| 5                    | 256QAM     | 12      | 7         | 17.77                 | 17.83                    | 17.83                  | 19                  | 5        |  |
| 5                    | 256QAM     | 12      | 13        | 17.69                 | 17.74                    | 17.74                  |                     |          |  |
| 5                    | 256QAM     | 25      | 0         | 17.66                 | 17.78                    | 17.71                  |                     |          |  |

| Band 41 Ant1 DSI4 |            |         |           |                       |                              |                          |                               |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz)   |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20                | QPSK       | 1       | 0         | 21.85                 | 21.72                        | 21.97                    | 21.76                         | 21.85                  | 23                  | 0        |
| 20                | QPSK       | 1       | 49        | 21.83                 | 21.78                        | 21.93                    | 21.77                         | 21.78                  |                     |          |
| 20                | QPSK       | 1       | 99        | 21.75                 | 21.70                        | 21.82                    | 21.77                         | 21.81                  |                     |          |
| 20                | QPSK       | 50      | 0         | 21.75                 | 21.80                        | 21.86                    | 21.71                         | 21.80                  |                     |          |
| 20                | QPSK       | 50      | 24        | 21.60                 | 21.65                        | 21.75                    | 21.75                         | 21.63                  | 23                  | 0        |
| 20                | QPSK       | 50      | 50        | 21.59                 | 21.65                        | 21.68                    | 21.71                         | 21.67                  |                     |          |
| 20                | QPSK       | 100     | 0         | 21.72                 | 21.72                        | 21.83                    | 21.72                         | 21.64                  |                     |          |
| 20                | 16QAM      | 1       | 0         | 21.73                 | 21.76                        | 21.78                    | 21.75                         | 21.71                  |                     |          |
| 20                | 16QAM      | 1       | 49        | 21.75                 | 21.81                        | 21.81                    | 21.80                         | 21.76                  | 23                  | 0        |
| 20                | 16QAM      | 1       | 99        | 21.70                 | 21.61                        | 21.61                    | 21.75                         | 21.75                  |                     |          |
| 20                | 16QAM      | 50      | 0         | 20.73                 | 20.78                        | 20.82                    | 20.70                         | 20.76                  |                     |          |
| 20                | 16QAM      | 50      | 24        | 20.70                 | 20.70                        | 20.77                    | 20.69                         | 20.64                  |                     |          |
| 20                | 16QAM      | 50      | 50        | 20.66                 | 20.68                        | 20.68                    | 20.67                         | 20.68                  | 22                  | 1        |
| 20                | 16QAM      | 100     | 0         | 20.68                 | 20.68                        | 20.78                    | 20.66                         | 20.70                  |                     |          |
| 20                | 64QAM      | 1       | 0         | 20.72                 | 20.76                        | 20.84                    | 20.73                         | 20.71                  |                     |          |
| 20                | 64QAM      | 1       | 49        | 20.70                 | 20.65                        | 20.77                    | 20.73                         | 20.70                  |                     |          |
| 20                | 64QAM      | 1       | 99        | 20.59                 | 20.68                        | 20.70                    | 20.69                         | 20.72                  | 21                  | 2        |
| 20                | 64QAM      | 50      | 0         | 19.79                 | 19.82                        | 19.81                    | 19.79                         | 19.78                  |                     |          |
| 20                | 64QAM      | 50      | 24        | 19.71                 | 19.66                        | 19.77                    | 19.62                         | 19.69                  |                     |          |
| 20                | 64QAM      | 50      | 50        | 19.64                 | 19.66                        | 19.69                    | 19.60                         | 19.62                  |                     |          |
| 20                | 64QAM      | 100     | 0         | 19.68                 | 19.66                        | 19.69                    | 19.71                         | 19.70                  | 19                  | 4        |
| 20                | 256QAM     | 1       | 0         | 17.71                 | 17.71                        | 17.82                    | 17.70                         | 17.69                  |                     |          |
| 20                | 256QAM     | 1       | 49        | 17.77                 | 17.67                        | 17.82                    | 17.68                         | 17.74                  |                     |          |
| 20                | 256QAM     | 1       | 99        | 17.71                 | 17.64                        | 17.74                    | 17.72                         | 17.66                  |                     |          |
| 20                | 256QAM     | 50      | 0         | 17.81                 | 17.78                        | 17.89                    | 17.79                         | 17.77                  | 19                  | 4        |
| 20                | 256QAM     | 50      | 24        | 17.72                 | 17.73                        | 17.81                    | 17.72                         | 17.65                  |                     |          |
| 20                | 256QAM     | 50      | 50        | 17.64                 | 17.61                        | 17.72                    | 17.69                         | 17.64                  |                     |          |
| 20                | 256QAM     | 100     | 0         | 17.68                 | 17.63                        | 17.78                    | 17.65                         | 17.65                  |                     |          |
| Channel           |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15                | QPSK       | 1       | 0         | 21.72                 | 21.60                        | 21.86                    | 21.70                         | 21.73                  | 23.0                | 0        |
| 15                | QPSK       | 1       | 37        | 21.74                 | 21.64                        | 21.87                    | 21.66                         | 21.70                  |                     |          |
| 15                | QPSK       | 1       | 74        | 21.69                 | 21.62                        | 21.69                    | 21.73                         | 21.78                  |                     |          |
| 15                | QPSK       | 36      | 0         | 21.70                 | 21.73                        | 21.81                    | 21.63                         | 21.67                  |                     |          |
| 15                | QPSK       | 36      | 20        | 21.54                 | 21.53                        | 21.68                    | 21.66                         | 21.52                  | 23                  | 0        |
| 15                | QPSK       | 36      | 39        | 21.55                 | 21.53                        | 21.54                    | 21.65                         | 21.62                  |                     |          |
| 15                | QPSK       | 75      | 0         | 21.64                 | 21.61                        | 21.71                    | 21.65                         | 21.53                  |                     |          |
| 15                | 16QAM      | 1       | 0         | 21.69                 | 21.69                        | 21.74                    | 21.68                         | 21.65                  |                     |          |
| 15                | 16QAM      | 1       | 37        | 21.70                 | 21.73                        | 21.69                    | 21.69                         | 21.70                  | 23                  | 0        |
| 15                | 16QAM      | 1       | 74        | 21.62                 | 21.55                        | 21.55                    | 21.71                         | 21.70                  |                     |          |
| 15                | 16QAM      | 36      | 0         | 20.64                 | 20.66                        | 20.68                    | 20.56                         | 20.67                  |                     |          |
| 15                | 16QAM      | 36      | 20        | 20.57                 | 20.63                        | 20.72                    | 20.59                         | 20.55                  |                     |          |
| 15                | 16QAM      | 36      | 39        | 20.57                 | 20.58                        | 20.56                    | 20.63                         | 20.54                  | 22                  | 1        |
| 15                | 16QAM      | 75      | 0         | 20.60                 | 20.57                        | 20.72                    | 20.55                         | 20.55                  |                     |          |
| 15                | 64QAM      | 1       | 0         | 20.63                 | 20.64                        | 20.79                    | 20.68                         | 20.64                  |                     |          |
| 15                | 64QAM      | 1       | 37        | 20.67                 | 20.54                        | 20.62                    | 20.67                         | 20.57                  |                     |          |
| 15                | 64QAM      | 1       | 74        | 20.56                 | 20.64                        | 20.57                    | 20.64                         | 20.61                  | 22                  | 1        |
| 15                | 64QAM      | 36      | 0         | 19.69                 | 19.67                        | 19.68                    | 19.68                         | 19.69                  |                     |          |
| 15                | 64QAM      | 36      | 20        | 19.61                 | 19.52                        | 19.74                    | 19.49                         | 19.55                  |                     |          |
| 15                | 64QAM      | 36      | 39        | 19.50                 | 19.57                        | 19.66                    | 19.54                         | 19.51                  |                     |          |
| 15                | 64QAM      | 75      | 0         | 19.59                 | 19.63                        | 19.61                    | 19.59                         | 19.60                  | 21                  | 2        |
| 15                | 256QAM     | 1       | 0         | 17.60                 | 17.63                        | 17.68                    | 17.58                         | 17.57                  |                     |          |
| 15                | 256QAM     | 1       | 37        | 17.64                 | 17.57                        | 17.78                    | 17.60                         | 17.60                  |                     |          |
| 15                | 256QAM     | 1       | 74        | 17.65                 | 17.59                        | 17.64                    | 17.66                         | 17.53                  |                     |          |
| 15                | 256QAM     | 36      | 0         | 17.70                 | 17.71                        | 17.84                    | 17.73                         | 17.67                  | 19                  | 4        |
| 15                | 256QAM     | 36      | 20        | 17.59                 | 17.69                        | 17.67                    | 17.68                         | 17.52                  |                     |          |
| 15                | 256QAM     | 36      | 39        | 17.50                 | 17.50                        | 17.68                    | 17.61                         | 17.50                  |                     |          |
| 15                | 256QAM     | 75      | 0         | 17.55                 | 17.55                        | 17.64                    | 17.52                         | 17.51                  |                     |          |
| Channel           |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10                | QPSK       | 1       | 0         | 21.76                 | 21.60                        | 21.83                    | 21.71                         | 21.71                  | 23.0                | 0        |
| 10                | QPSK       | 1       | 25        | 21.77                 | 21.65                        | 21.86                    | 21.69                         | 21.67                  |                     |          |
| 10                | QPSK       | 1       | 49        | 21.70                 | 21.64                        | 21.75                    | 21.64                         | 21.77                  |                     |          |
| 10                | QPSK       | 25      | 0         | 21.62                 | 21.74                        | 21.81                    | 21.60                         | 21.77                  |                     |          |
| 10                | QPSK       | 25      | 12        | 21.52                 | 21.61                        | 21.65                    | 21.63                         | 21.52                  | 23                  | 0        |
| 10                | QPSK       | 25      | 25        | 21.51                 | 21.51                        | 21.61                    | 21.64                         | 21.54                  |                     |          |
| 10                | QPSK       | 50      | 0         | 21.64                 | 21.63                        | 21.71                    | 21.60                         | 21.56                  |                     |          |
| 10                | 16QAM      | 1       | 0         | 21.66                 | 21.65                        | 21.63                    | 21.68                         | 21.60                  |                     |          |
| 10                | 16QAM      | 1       | 25        | 21.67                 | 21.74                        | 21.67                    | 21.68                         | 21.65                  | 23                  | 0        |
| 10                | 16QAM      | 1       | 49        | 21.56                 | 21.49                        | 21.57                    | 21.71                         | 21.70                  |                     |          |
| 10                | 16QAM      | 25      | 0         | 20.64                 | 20.64                        | 20.69                    | 20.61                         | 20.69                  |                     |          |
| 10                | 16QAM      | 25      | 12        | 20.55                 | 20.59                        | 20.64                    | 20.62                         | 20.57                  |                     |          |
| 10                | 16QAM      | 25      | 25        | 20.55                 | 20.50                        | 20.54                    | 20.68                         | 20.55                  | 22                  | 1        |
| 10                | 16QAM      | 50      | 0         | 20.60                 | 20.59                        | 20.72                    | 20.61                         | 20.58                  |                     |          |
| 10                | 64QAM      | 1       | 0         | 20.67                 | 20.68                        | 20.74                    | 20.63                         | 20.59                  |                     |          |
| 10                | 64QAM      | 1       | 25        | 20.57                 | 20.51                        | 20.73                    | 20.62                         | 20.57                  |                     |          |
| 10                | 64QAM      | 1       | 49        | 20.52                 | 20.57                        | 20.67                    | 20.64                         | 20.64                  | 22                  | 1        |
| 10                | 64QAM      | 25      | 0         | 19.70                 | 19.68                        | 19.78                    | 19.66                         | 19.72                  |                     |          |
| 10                | 64QAM      | 25      | 12        | 19.64                 | 19.62                        | 19.67                    | 19.49                         | 19.56                  |                     |          |
| 10                | 64QAM      | 25      | 25        | 19.52                 | 19.55                        | 19.61                    | 19.54                         | 19.49                  |                     |          |
| 10                | 64QAM      | 50      | 0         | 19.62                 | 19.55                        | 19.65                    | 19.63                         | 19.56                  | 19                  | 4        |
| 10                | 256QAM     | 1       | 0         | 17.57                 | 17.57                        | 17.78                    | 17.60                         | 17.57                  |                     |          |
| 10                | 256QAM     | 1       | 25        | 17.67                 | 17.54                        | 17.69                    | 17.64                         | 17.62                  |                     |          |
| 10                | 256QAM     | 1       | 49        | 17.63                 | 17.61                        | 17.69                    | 17.63                         | 17.60                  |                     |          |
| 10                | 256QAM     | 25      | 0         | 17.74                 | 17.72                        | 17.80                    | 17.70                         | 17.74                  | 19                  | 4        |
| 10                | 256QAM     | 25      | 12        | 17.62                 | 17.60                        | 17.75                    | 17.67                         | 17.51                  |                     |          |
| 10                | 256QAM     | 25      | 25        | 17.52                 | 17.58                        | 17.60                    | 17.64                         | 17.50                  |                     |          |
| 10                | 256QAM     | 50      | 0         | 17.63                 | 17.57                        | 17.75                    | 17.54                         | 17.55                  |                     |          |
| Channel           |            |         |           | 39675                 | 40148                        | 40620                    | 41093                         | 41555                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 2498.5                | 2541.8                       | 2593                     | 2640.30                       | 2687.5                 |                     |          |
| 5                 | QPSK       | 1       | 0         | 21.76                 | 21.66                        | 21.83                    | 21.67                         | 21.77                  | 23.0                | 0        |
| 5                 | QPSK       | 1       | 12        | 21.76                 | 21.69                        | 21.79                    | 21.71                         | 21.63                  |                     |          |
| 5                 | QPSK       | 1       | 24        | 21.67                 | 21.59                        | 21.68                    | 21.71                         | 21.78                  |                     |          |
| 5                 | QPSK       | 12      | 0         | 21.63                 | 21.69                        | 21.79                    | 21.68                         | 21.71                  |                     |          |
| 5                 | QPSK       | 12      | 7         | 21.53                 | 21.53                        | 21.62                    | 21.69                         | 21.49                  | 23                  | 0        |
| 5                 | QPSK       | 12      | 13        | 21.45                 | 21.51                        | 21.61                    | 21.67                         | 21.58                  |                     |          |
| 5                 | QPSK       | 25      | 0         | 21.67                 | 21.59                        | 21.74                    | 21.65                         | 21.57                  |                     |          |
| 5                 | 16QAM      | 1       | 0         | 21.62                 | 21.65                        | 21.63                    | 21.70                         | 21.58                  |                     |          |
| 5                 | 16QAM      | 1       | 12        | 21.69                 | 21.68                        | 21.68                    | 21.70                         | 21.72                  | 23                  | 0        |
| 5                 | 16QAM      | 1       | 24        | 21.63                 | 21.52                        | 21.50                    | 21.69                         | 21.67                  |                     |          |
| 5                 | 16QAM      | 12      | 0         | 20.68                 | 20.64                        | 20.76                    | 20.64                         | 20.63                  |                     |          |
| 5                 | 16QAM      | 12      | 7         | 20.64                 | 20.55                        | 20.63                    | 20.57                         | 20.61                  |                     |          |
| 5                 | 16QAM      | 12      | 13        | 20.53                 | 20.56                        | 20.58                    | 20.55                         | 20.58                  | 22                  | 1        |
| 5                 | 16QAM      | 25      | 0         | 20.61                 | 20.56                        | 20.67                    | 20.62                         | 20.58                  |                     |          |
| 5                 | 64QAM      | 1       | 0         | 20.59                 | 20.70                        | 20.78                    | 20.64                         | 20.62                  |                     |          |
| 5                 | 64QAM      | 1       | 12        | 20.63                 | 20.52                        | 20.68                    | 20.68                         | 20.55                  |                     |          |
| 5                 | 64QAM      | 1       | 24        | 20.54                 | 20.57                        | 20.57                    | 20.65                         | 20.63                  | 22                  | 1        |
| 5                 | 64QAM      | 12      | 0         | 19.68                 | 19.73                        | 19.66                    | 19.64                         | 19.66                  |                     |          |
| 5                 | 64QAM      | 12      | 7         | 19.61                 | 19.61                        | 19.69                    | 19.57                         | 19.58                  |                     |          |
| 5                 | 64QAM      | 12      | 13        | 19.58                 | 19.55                        | 19.63                    | 19.50                         | 19.58                  |                     |          |
| 5                 | 256QAM     | 25      | 0         | 17.67                 | 17.69                        | 17.69                    | 17.66                         | 17.55                  | 19                  | 4        |
| 5                 | 256QAM     | 1       | 0         | 17.62                 | 17.60                        | 17.69                    | 17.66                         | 17.55                  |                     |          |
| 5                 | 256QAM     | 1       | 12        | 17.73                 | 17.52                        | 17.70                    | 17.57                         | 17.69                  |                     |          |
| 5                 | 256QAM     | 1       | 24        | 17.65                 | 17.51                        | 17.64                    | 17.62                         | 17.62                  |                     |          |
| 5                 | 256QAM     | 12      | 0         | 17.75                 | 17.65                        | 17.82                    | 17.66                         | 17.64                  | 19                  | 4        |
| 5                 | 256QAM     | 12      | 7         | 17.66                 | 17.67                        | 17.66                    | 17.65                         | 17.60                  |                     |          |
| 5                 | 256QAM     | 12      | 13        | 17.53                 | 17.51                        | 17.65                    | 17.66                         | 17.60                  |                     |          |
| 5                 | 256QAM     | 25      | 0         | 17.62                 | 17.56                        | 17.63                    | 17.58                         | 17.57                  |                     |          |

### GSM1900 Ant2 DS14

| GSM1900         |  | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |        |       | Tune-up Limit (dBm) |
|-----------------|--|---------------------------|-------|--------|---------------------|---------------------------|--------|-------|---------------------|
| TX Channel      |  | 661                       | 810   |        |                     | 512                       | 661    | 810   |                     |
| Frequency (MHz) |  | 1850.2                    | 1880  | 1909.8 | 1850.2              | 1880                      | 1909.8 |       |                     |
| GSM 1 Tx slot   |  | 27.84                     | 27.88 | 27.80  | 29.50               | 18.84                     | 18.88  | 18.80 | 20.50               |
| GPRS 1 Tx slot  |  | 27.75                     | 27.81 | 27.70  | 29.50               | 18.75                     | 18.81  | 18.70 | 20.50               |
| GPRS 2 Tx slots |  | 24.83                     | 24.89 | 24.85  | 25.00               | 18.83                     | 18.89  | 18.85 | 20.50               |
| GPRS 3 Tx slots |  | 23.07                     | 23.12 | 23.05  | 25.00               | 18.81                     | 18.86  | 18.79 | 20.74               |
| GPRS 4 Tx slots |  | 21.65                     | 21.76 | 21.67  | 23.50               | 18.65                     | 18.76  | 18.67 | 20.50               |
| EDGE 1 Tx slot  |  | 23.74                     | 23.84 | 23.75  | 25.00               | 14.74                     | 14.84  | 14.75 | 16.00               |
| EDGE 2 Tx slots |  | 20.62                     | 20.66 | 20.54  | 22.00               | 14.62                     | 14.66  | 14.56 | 16.00               |
| EDGE 3 Tx slots |  | 19.57                     | 18.67 | 18.62  | 20.00               | 14.31                     | 14.41  | 14.36 | 15.74               |
| EDGE 4 Tx slots |  | 17.18                     | 17.22 | 17.08  | 18.50               | 14.18                     | 14.22  | 14.08 | 15.50               |

### WCDMA II Ant2 DS14

### WCDMA IV Ant2 DS14

| Band                               | WCDMA II |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        | Tune-up Limit (dBm) |
|------------------------------------|----------|-------|--------|---------------------|----------|--------|--------|---------------------|
|                                    | 9262     | 9400  | 9538   |                     | 1312     | 1413   | 1513   |                     |
| TX Channel                         | 9662     | 9800  | 9938   |                     | 1537     | 1638   | 1738   |                     |
| Rx Channel                         | 9662     | 9800  | 9938   |                     | 1537     | 1638   | 1738   |                     |
| Frequency (MHz)                    | 1852.4   | 1880  | 1907.6 |                     | 1712.4   | 1732.6 | 1752.6 |                     |
| 3GPP Rel 99 RMC 12.2kpps           | 19.74    | 19.74 | 19.72  | 21.50               | 18.63    | 18.09  | 19.10  | 20.50               |
| 3GPP Rel 99 RMC 12.2kpps           | 19.80    | 19.02 | 19.70  | 21.50               | 18.91    | 19.28  | 19.10  | 20.50               |
| 3GPP Rel 6 HSDPA Subtest-1         | 18.85    | 18.77 | 18.73  | 20.50               | 17.99    | 18.19  | 17.96  | 19.50               |
| 3GPP Rel 6 HSDPA Subtest-2         | 18.87    | 18.79 | 18.67  | 20.50               | 18.03    | 18.30  | 17.89  | 19.50               |
| 3GPP Rel 6 HSDPA Subtest-3         | 18.33    | 18.45 | 18.26  | 20.00               | 17.62    | 17.76  | 17.43  | 19.00               |
| 3GPP Rel 6 HSDPA Subtest-4         | 18.33    | 18.36 | 18.12  | 20.00               | 17.51    | 17.70  | 17.36  | 19.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-1      | 18.79    | 18.82 | 18.66  | 20.50               | 18.03    | 18.18  | 17.98  | 19.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-2      | 18.79    | 18.81 | 18.67  | 20.50               | 18.04    | 18.22  | 17.87  | 19.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-3      | 18.34    | 18.37 | 18.22  | 20.00               | 17.54    | 17.66  | 17.55  | 19.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-4      | 18.32    | 18.35 | 18.09  | 20.00               | 17.50    | 17.73  | 17.30  | 19.00               |
| 3GPP Rel 6 HSUPA Subtest-1         | 18.75    | 18.83 | 18.64  | 20.50               | 18.08    | 18.18  | 17.96  | 19.50               |
| 3GPP Rel 6 HSUPA Subtest-2         | 16.78    | 16.79 | 16.66  | 18.50               | 16.04    | 16.16  | 15.89  | 17.50               |
| 3GPP Rel 6 HSUPA Subtest-3         | 17.81    | 17.80 | 17.68  | 19.50               | 17.14    | 17.15  | 16.95  | 18.50               |
| 3GPP Rel 6 HSUPA Subtest-4         | 16.82    | 16.77 | 16.74  | 18.50               | 16.10    | 16.19  | 15.89  | 17.50               |
| 3GPP Rel 6 HSUPA Subtest-5         | 18.79    | 18.84 | 18.72  | 20.50               | 18.11    | 18.19  | 17.98  | 19.50               |
| 3GPP Rel 7 HSPA+ (15QAM) Subtest-1 | 16.25    | 16.35 | 16.32  | 18.00               | 15.64    | 15.67  | 15.48  | 17.00               |







| Band 38 Ant5 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz)   |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20                | QPSK       | 1       | 0         | 20.79                 | 20.90                    | 20.79                  | 22                  | 0        |  |
| 20                | QPSK       | 1       | 49        | 20.76                 | 20.70                    | 20.78                  |                     |          |  |
| 20                | QPSK       | 1       | 99        | 20.67                 | 20.57                    | 20.68                  |                     |          |  |
| 20                | QPSK       | 50      | 0         | 20.72                 | 20.73                    | 20.72                  | 22                  | 0        |  |
| 20                | QPSK       | 50      | 24        | 20.58                 | 20.70                    | 20.61                  |                     |          |  |
| 20                | QPSK       | 50      | 50        | 20.46                 | 20.42                    | 20.53                  |                     |          |  |
| 20                | QPSK       | 100     | 0         | 20.64                 | 20.76                    | 20.61                  | 22                  | 0        |  |
| 20                | 16QAM      | 1       | 0         | 20.54                 | 20.55                    | 20.75                  |                     |          |  |
| 20                | 16QAM      | 1       | 49        | 20.52                 | 20.49                    | 20.51                  |                     |          |  |
| 20                | 16QAM      | 1       | 99        | 20.82                 | 20.63                    | 20.67                  | 22                  | 0        |  |
| 20                | 16QAM      | 50      | 0         | 20.66                 | 20.66                    | 20.61                  |                     |          |  |
| 20                | 16QAM      | 50      | 24        | 20.53                 | 20.54                    | 20.49                  |                     |          |  |
| 20                | 16QAM      | 50      | 50        | 20.83                 | 20.73                    | 20.69                  | 21                  | 1        |  |
| 20                | 16QAM      | 100     | 0         | 20.53                 | 20.73                    | 20.75                  |                     |          |  |
| 20                | 64QAM      | 1       | 0         | 20.74                 | 20.78                    | 20.71                  |                     |          |  |
| 20                | 64QAM      | 1       | 49        | 20.55                 | 20.70                    | 20.68                  | 22                  | 0        |  |
| 20                | 64QAM      | 1       | 99        | 20.51                 | 20.66                    | 20.56                  |                     |          |  |
| 20                | 64QAM      | 50      | 0         | 19.93                 | 19.85                    | 19.86                  |                     |          |  |
| 20                | 64QAM      | 50      | 24        | 19.91                 | 19.79                    | 19.88                  | 21                  | 1        |  |
| 20                | 64QAM      | 50      | 50        | 19.63                 | 19.80                    | 19.71                  |                     |          |  |
| 20                | 64QAM      | 100     | 0         | 19.65                 | 19.74                    | 19.71                  |                     |          |  |
| 20                | 256QAM     | 1       | 0         | 17.83                 | 17.79                    | 17.80                  | 19                  | 3        |  |
| 20                | 256QAM     | 1       | 49        | 17.73                 | 17.77                    | 17.81                  |                     |          |  |
| 20                | 256QAM     | 1       | 99        | 17.55                 | 17.58                    | 17.66                  |                     |          |  |
| 20                | 256QAM     | 50      | 0         | 17.96                 | 17.91                    | 17.90                  | 19                  | 3        |  |
| 20                | 256QAM     | 50      | 24        | 17.97                 | 17.69                    | 17.90                  |                     |          |  |
| 20                | 256QAM     | 50      | 50        | 17.66                 | 17.83                    | 17.73                  |                     |          |  |
| 20                | 256QAM     | 100     | 0         | 17.46                 | 17.61                    | 17.58                  |                     |          |  |
| Channel           |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                | QPSK       | 1       | 0         | 20.83                 | 20.61                    | 20.61                  | 22                  | 0        |  |
| 15                | QPSK       | 1       | 37        | 20.60                 | 20.59                    | 20.68                  |                     |          |  |
| 15                | QPSK       | 1       | 74        | 20.36                 | 20.66                    | 20.59                  |                     |          |  |
| 15                | QPSK       | 36      | 0         | 20.60                 | 20.60                    | 20.51                  | 22                  | 0        |  |
| 15                | QPSK       | 36      | 20        | 20.71                 | 20.56                    | 20.59                  |                     |          |  |
| 15                | QPSK       | 36      | 39        | 20.32                 | 20.25                    | 20.45                  |                     |          |  |
| 15                | QPSK       | 75      | 0         | 20.76                 | 20.49                    | 20.47                  | 22                  | 0        |  |
| 15                | 16QAM      | 1       | 0         | 20.40                 | 20.35                    | 20.64                  |                     |          |  |
| 15                | 16QAM      | 1       | 37        | 20.37                 | 20.34                    | 20.33                  |                     |          |  |
| 15                | 16QAM      | 1       | 74        | 20.80                 | 20.44                    | 20.65                  | 22                  | 0        |  |
| 15                | 16QAM      | 36      | 0         | 20.65                 | 20.66                    | 20.59                  |                     |          |  |
| 15                | 16QAM      | 36      | 20        | 20.45                 | 20.39                    | 20.42                  |                     |          |  |
| 15                | 16QAM      | 36      | 39        | 20.83                 | 20.55                    | 20.67                  | 22                  | 0        |  |
| 15                | 16QAM      | 75      | 0         | 20.52                 | 20.74                    | 20.54                  |                     |          |  |
| 15                | 64QAM      | 1       | 0         | 20.61                 | 20.61                    | 20.65                  |                     |          |  |
| 15                | 64QAM      | 1       | 37        | 20.37                 | 20.59                    | 20.67                  | 22                  | 0        |  |
| 15                | 64QAM      | 1       | 74        | 20.29                 | 20.60                    | 20.44                  |                     |          |  |
| 15                | 64QAM      | 36      | 0         | 19.81                 | 19.66                    | 19.85                  |                     |          |  |
| 15                | 64QAM      | 36      | 20        | 19.70                 | 19.61                    | 19.74                  | 21                  | 1        |  |
| 15                | 64QAM      | 36      | 39        | 19.56                 | 19.60                    | 19.65                  |                     |          |  |
| 15                | 64QAM      | 75      | 0         | 19.51                 | 19.62                    | 19.50                  |                     |          |  |
| 15                | 256QAM     | 1       | 0         | 17.73                 | 17.75                    | 17.80                  | 19                  | 3        |  |
| 15                | 256QAM     | 1       | 37        | 17.58                 | 17.58                    | 17.62                  |                     |          |  |
| 15                | 256QAM     | 1       | 74        | 17.36                 | 17.54                    | 17.52                  |                     |          |  |
| 15                | 256QAM     | 36      | 0         | 17.82                 | 17.74                    | 17.70                  | 19                  | 3        |  |
| 15                | 256QAM     | 36      | 20        | 17.96                 | 17.59                    | 17.80                  |                     |          |  |
| 15                | 256QAM     | 36      | 39        | 17.53                 | 17.65                    | 17.62                  |                     |          |  |
| 15                | 256QAM     | 75      | 0         | 17.42                 | 17.59                    | 17.56                  |                     |          |  |
| Channel           |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                | QPSK       | 1       | 0         | 20.77                 | 20.59                    | 20.79                  | 22                  | 0        |  |
| 10                | QPSK       | 1       | 25        | 20.59                 | 20.55                    | 20.72                  |                     |          |  |
| 10                | QPSK       | 1       | 49        | 20.39                 | 20.66                    | 20.52                  |                     |          |  |
| 10                | QPSK       | 25      | 0         | 20.67                 | 20.51                    | 20.59                  | 22                  | 0        |  |
| 10                | QPSK       | 25      | 12        | 20.71                 | 20.37                    | 20.51                  |                     |          |  |
| 10                | QPSK       | 25      | 25        | 20.36                 | 20.39                    | 20.54                  |                     |          |  |
| 10                | QPSK       | 50      | 0         | 20.61                 | 20.65                    | 20.47                  | 22                  | 0        |  |
| 10                | 16QAM      | 1       | 0         | 20.51                 | 20.33                    | 20.61                  |                     |          |  |
| 10                | 16QAM      | 1       | 25        | 20.43                 | 20.34                    | 20.48                  |                     |          |  |
| 10                | 16QAM      | 1       | 49        | 20.75                 | 20.49                    | 20.59                  | 22                  | 0        |  |
| 10                | 16QAM      | 25      | 0         | 20.52                 | 20.63                    | 20.52                  |                     |          |  |
| 10                | 16QAM      | 25      | 12        | 20.48                 | 20.54                    | 20.50                  |                     |          |  |
| 10                | 16QAM      | 25      | 25        | 20.62                 | 20.61                    | 20.63                  | 22                  | 0        |  |
| 10                | 16QAM      | 50      | 0         | 20.44                 | 20.55                    | 20.63                  |                     |          |  |
| 10                | 64QAM      | 1       | 0         | 20.67                 | 20.75                    | 20.52                  |                     |          |  |
| 10                | 64QAM      | 1       | 25        | 20.37                 | 20.59                    | 20.53                  | 22                  | 0        |  |
| 10                | 64QAM      | 1       | 49        | 20.46                 | 20.58                    | 20.45                  |                     |          |  |
| 10                | 64QAM      | 25      | 0         | 19.75                 | 19.81                    | 19.70                  |                     |          |  |
| 10                | 64QAM      | 25      | 12        | 19.91                 | 19.64                    | 19.89                  | 21                  | 1        |  |
| 10                | 64QAM      | 25      | 25        | 19.63                 | 19.66                    | 19.72                  |                     |          |  |
| 10                | 64QAM      | 50      | 0         | 19.64                 | 19.66                    | 19.52                  |                     |          |  |
| 10                | 256QAM     | 1       | 0         | 17.64                 | 17.78                    | 17.77                  | 19                  | 3        |  |
| 10                | 256QAM     | 1       | 25        | 17.54                 | 17.79                    | 17.64                  |                     |          |  |
| 10                | 256QAM     | 1       | 49        | 17.34                 | 17.54                    | 17.48                  |                     |          |  |
| 10                | 256QAM     | 25      | 0         | 17.83                 | 17.76                    | 17.89                  | 19                  | 3        |  |
| 10                | 256QAM     | 25      | 12        | 17.91                 | 17.69                    | 17.83                  |                     |          |  |
| 10                | 256QAM     | 25      | 25        | 17.59                 | 17.79                    | 17.67                  |                     |          |  |
| 10                | 256QAM     | 50      | 0         | 17.45                 | 17.45                    | 17.60                  |                     |          |  |
| Channel           |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                 | QPSK       | 1       | 0         | 20.75                 | 20.73                    | 20.67                  | 22                  | 0        |  |
| 5                 | QPSK       | 1       | 12        | 20.54                 | 20.68                    | 20.57                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 20.54                 | 20.65                    | 20.51                  |                     |          |  |
| 5                 | QPSK       | 12      | 0         | 20.65                 | 20.57                    | 20.65                  | 22                  | 0        |  |
| 5                 | QPSK       | 12      | 7         | 20.51                 | 20.47                    | 20.43                  |                     |          |  |
| 5                 | QPSK       | 12      | 13        | 20.35                 | 20.46                    | 20.35                  |                     |          |  |
| 5                 | QPSK       | 25      | 0         | 20.56                 | 20.60                    | 20.60                  | 22                  | 0        |  |
| 5                 | 16QAM      | 1       | 0         | 20.49                 | 20.41                    | 20.64                  |                     |          |  |
| 5                 | 16QAM      | 1       | 12        | 20.39                 | 20.33                    | 20.32                  |                     |          |  |
| 5                 | 16QAM      | 1       | 24        | 20.63                 | 20.52                    | 20.68                  | 22                  | 0        |  |
| 5                 | 16QAM      | 12      | 0         | 20.65                 | 20.47                    | 20.47                  |                     |          |  |
| 5                 | 16QAM      | 12      | 7         | 20.42                 | 20.50                    | 20.51                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 20.67                 | 20.61                    | 20.67                  | 22                  | 0        |  |
| 5                 | 16QAM      | 25      | 0         | 20.37                 | 20.54                    | 20.69                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 20.69                 | 20.78                    | 20.67                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 20.41                 | 20.71                    | 20.59                  | 22                  | 0        |  |
| 5                 | 64QAM      | 1       | 24        | 20.43                 | 20.45                    | 20.40                  |                     |          |  |
| 5                 | 64QAM      | 12      | 0         | 19.90                 | 19.74                    | 19.87                  |                     |          |  |
| 5                 | 64QAM      | 12      | 7         | 19.73                 | 19.66                    | 19.90                  | 21                  | 1        |  |
| 5                 | 64QAM      | 12      | 13        | 19.50                 | 19.78                    | 19.71                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 19.62                 | 19.53                    | 19.72                  |                     |          |  |
| 5                 | 256QAM     | 1       | 0         | 17.72                 | 17.70                    | 17.69                  | 19                  | 3        |  |
| 5                 | 256QAM     | 1       | 12        | 17.64                 | 17.75                    | 17.76                  |                     |          |  |
| 5                 | 256QAM     | 1       | 24        | 17.47                 | 17.51                    | 17.64                  |                     |          |  |
| 5                 | 256QAM     | 12      | 0         | 17.94                 | 17.75                    | 17.82                  | 19                  | 3        |  |
| 5                 | 256QAM     | 12      | 7         | 17.92                 | 17.54                    | 17.78                  |                     |          |  |
| 5                 | 256QAM     | 12      | 13        | 17.54                 | 17.76                    | 17.64                  |                     |          |  |
| 5                 | 256QAM     | 25      | 0         | 17.26                 | 17.48                    | 17.56                  |                     |          |  |

| Band 41 Ant5 DS14 |            |         |           |                       |                              |                          |                               |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |  |
| Frequency (MHz)   |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |  |
| 20                | QPSK       | 1       | 0         | 20.36                 | 20.56                        | 20.81                    | 20.57                         | 20.58                  | 22                  | 0        |  |
| 20                | QPSK       | 1       | 49        | 20.56                 | 20.54                        | 20.80                    | 20.56                         | 20.67                  |                     |          |  |
| 20                | QPSK       | 1       | 99        | 20.33                 | 20.63                        | 20.73                    | 20.51                         | 20.46                  |                     |          |  |
| 20                | QPSK       | 50      | 0         | 20.28                 | 20.47                        | 20.70                    | 20.37                         | 20.43                  |                     |          |  |
| 20                | QPSK       | 50      | 24        | 20.50                 | 20.36                        | 20.62                    | 20.50                         | 20.67                  | 22                  | 0        |  |
| 20                | QPSK       | 50      | 50        | 20.29                 | 20.44                        | 20.54                    | 20.32                         | 20.30                  |                     |          |  |
| 20                | QPSK       | 100     | 0         | 20.32                 | 20.40                        | 20.68                    | 20.58                         | 20.41                  |                     |          |  |
| 20                | 16QAM      | 1       | 0         | 20.49                 | 20.38                        | 20.59                    | 20.51                         | 20.58                  |                     |          |  |
| 20                | 16QAM      | 1       | 49        | 20.21                 | 20.58                        | 20.56                    | 20.33                         | 20.31                  | 22                  | 0        |  |
| 20                | 16QAM      | 1       | 99        | 20.27                 | 20.51                        | 20.60                    | 20.49                         | 20.57                  |                     |          |  |
| 20                | 16QAM      | 50      | 0         | 20.22                 | 20.49                        | 20.63                    | 20.42                         | 20.55                  |                     |          |  |
| 20                | 16QAM      | 50      | 24        | 20.57                 | 20.45                        | 20.60                    | 20.36                         | 20.67                  |                     |          |  |
| 20                | 16QAM      | 50      | 50        | 20.22                 | 20.50                        | 20.53                    | 20.39                         | 20.25                  | 22                  | 0        |  |
| 20                | 16QAM      | 100     | 0         | 20.36                 | 20.52                        | 20.72                    | 20.48                         | 20.63                  |                     |          |  |
| 20                | 64QAM      | 1       | 0         | 20.30                 | 20.41                        | 20.71                    | 20.59                         | 20.47                  |                     |          |  |
| 20                | 64QAM      | 1       | 49        | 20.51                 | 20.49                        | 20.63                    | 20.38                         | 20.55                  |                     |          |  |
| 20                | 64QAM      | 1       | 99        | 20.28                 | 20.59                        | 20.68                    | 20.48                         | 20.47                  | 22                  | 0        |  |
| 20                | 64QAM      | 50      | 0         | 19.36                 | 19.52                        | 19.72                    | 19.47                         | 19.48                  |                     |          |  |
| 20                | 64QAM      | 50      | 24        | 19.29                 | 19.56                        | 19.70                    | 19.64                         | 19.48                  |                     |          |  |
| 20                | 64QAM      | 50      | 50        | 19.54                 | 19.48                        | 19.76                    | 19.67                         | 19.76                  |                     |          |  |
| 20                | 64QAM      | 100     | 0         | 19.28                 | 19.72                        | 19.66                    | 19.42                         | 19.48                  | 21                  | 1        |  |
| 20                | 256QAM     | 1       | 0         | 17.41                 | 17.68                        | 17.83                    | 17.51                         | 17.51                  |                     |          |  |
| 20                | 256QAM     | 1       | 49        | 17.63                 | 17.59                        | 17.69                    | 17.59                         | 17.71                  |                     |          |  |
| 20                | 256QAM     | 1       | 99        | 17.38                 | 17.53                        | 17.81                    | 17.44                         | 17.44                  |                     |          |  |
| 20                | 256QAM     | 50      | 0         | 17.36                 | 17.62                        | 17.81                    | 17.48                         | 17.70                  | 19                  | 3        |  |
| 20                | 256QAM     | 50      | 24        | 17.46                 | 17.66                        | 17.66                    | 17.61                         | 17.54                  |                     |          |  |
| 20                | 256QAM     | 50      | 50        | 17.64                 | 17.55                        | 17.75                    | 17.48                         | 17.69                  |                     |          |  |
| 20                | 256QAM     | 100     | 0         | 17.37                 | 17.67                        | 17.66                    | 17.47                         | 17.55                  |                     |          |  |
| Channel           |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2508.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |  |
| 15                | QPSK       | 1       | 0         | 20.24                 | 20.34                        | 20.60                    | 20.52                         | 20.44                  | 22.00               | 0        |  |
| 15                | QPSK       | 1       | 37        | 20.52                 | 20.44                        | 20.70                    | 20.36                         | 20.46                  |                     |          |  |
| 15                | QPSK       | 1       | 74        | 20.34                 | 20.49                        | 20.69                    | 20.45                         | 20.33                  |                     |          |  |
| 15                | QPSK       | 36      | 0         | 20.22                 | 20.48                        | 20.62                    | 20.18                         | 20.40                  |                     |          |  |
| 15                | QPSK       | 36      | 20        | 20.29                 | 20.15                        | 20.58                    | 20.34                         | 20.38                  | 22                  | 0        |  |
| 15                | QPSK       | 36      | 39        | 20.28                 | 20.43                        | 20.34                    | 20.28                         | 20.21                  |                     |          |  |
| 15                | QPSK       | 75      | 0         | 20.28                 | 20.28                        | 20.66                    | 20.49                         | 20.33                  |                     |          |  |
| 15                | 16QAM      | 1       | 0         | 20.31                 | 20.36                        | 20.51                    | 20.44                         | 20.56                  |                     |          |  |
| 15                | 16QAM      | 1       | 37        | 20.12                 | 20.59                        | 20.54                    | 20.18                         | 20.14                  | 22                  | 0        |  |
| 15                | 16QAM      | 1       | 74        | 20.14                 | 20.37                        | 20.42                    | 20.32                         | 20.43                  |                     |          |  |
| 15                | 16QAM      | 36      | 0         | 20.36                 | 20.54                        | 20.66                    | 20.49                         | 20.37                  |                     |          |  |
| 15                | 16QAM      | 36      | 20        | 20.38                 | 20.51                        | 20.60                    | 20.37                         | 20.66                  |                     |          |  |
| 15                | 16QAM      | 36      | 39        | 20.29                 | 20.62                        | 20.58                    | 20.33                         | 20.47                  | 22                  | 0        |  |
| 15                | 16QAM      | 75      | 0         | 20.27                 | 20.38                        | 20.55                    | 20.31                         | 20.45                  |                     |          |  |
| 15                | 64QAM      | 1       | 0         | 20.20                 | 20.30                        | 20.50                    | 20.55                         | 20.30                  |                     |          |  |
| 15                | 64QAM      | 1       | 37        | 20.45                 | 20.45                        | 20.43                    | 20.19                         | 20.48                  |                     |          |  |
| 15                | 64QAM      | 1       | 74        | 20.29                 | 20.45                        | 20.53                    | 20.30                         | 20.39                  | 22                  | 0        |  |
| 15                | 64QAM      | 36      | 0         | 19.26                 | 19.31                        | 19.52                    | 19.38                         | 19.37                  |                     |          |  |
| 15                | 64QAM      | 36      | 20        | 19.23                 | 19.48                        | 19.65                    | 19.62                         | 19.33                  |                     |          |  |
| 15                | 64QAM      | 36      | 39        | 19.43                 | 19.33                        | 19.63                    | 19.63                         | 19.58                  |                     |          |  |
| 15                | 64QAM      | 75      | 0         | 19.29                 | 19.70                        | 19.60                    | 19.39                         | 19.29                  | 21                  | 1        |  |
| 15                | 256QAM     | 1       | 0         | 17.42                 | 17.62                        | 17.73                    | 17.42                         | 17.43                  |                     |          |  |
| 15                | 256QAM     | 1       | 37        | 17.49                 | 17.60                        | 17.60                    | 17.47                         | 17.63                  |                     |          |  |
| 15                | 256QAM     | 1       | 74        | 17.31                 | 17.43                        | 17.68                    | 17.44                         | 17.39                  |                     |          |  |
| 15                | 256QAM     | 36      | 0         | 17.47                 | 17.48                        | 17.74                    | 17.56                         | 17.54                  | 19                  | 3        |  |
| 15                | 256QAM     | 36      | 20        | 17.49                 | 17.60                        | 17.83                    | 17.59                         | 17.60                  |                     |          |  |
| 15                | 256QAM     | 36      | 39        | 17.39                 | 17.58                        | 17.83                    | 17.59                         | 17.41                  |                     |          |  |
| 15                | 256QAM     | 75      | 0         | 17.18                 | 17.67                        | 17.65                    | 17.31                         | 17.34                  |                     |          |  |
| Channel           |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |  |
| 10                | QPSK       | 1       | 0         | 20.36                 | 20.42                        | 20.66                    | 20.44                         | 20.59                  | 22.00               | 0        |  |
| 10                | QPSK       | 1       | 25        | 20.44                 | 20.34                        | 20.73                    | 20.42                         | 20.62                  |                     |          |  |
| 10                | QPSK       | 1       | 49        | 20.28                 | 20.41                        | 20.66                    | 20.33                         | 20.37                  |                     |          |  |
| 10                | QPSK       | 25      | 0         | 20.23                 | 20.30                        | 20.51                    | 20.19                         | 20.31                  |                     |          |  |
| 10                | QPSK       | 25      | 12        | 20.33                 | 20.26                        | 20.60                    | 20.32                         | 20.50                  | 22                  | 0        |  |
| 10                | QPSK       | 25      | 25        | 20.15                 | 20.41                        | 20.54                    | 20.28                         | 20.14                  |                     |          |  |
| 10                | QPSK       | 50      | 0         | 20.26                 | 20.40                        | 20.64                    | 20.46                         | 20.29                  |                     |          |  |
| 10                | 16QAM      | 1       | 0         | 20.48                 | 20.29                        | 20.46                    | 20.49                         | 20.53                  |                     |          |  |
| 10                | 16QAM      | 1       | 25        | 20.13                 | 20.48                        | 20.35                    | 20.15                         | 20.10                  | 22                  | 0        |  |
| 10                | 16QAM      | 1       | 49        | 20.25                 | 20.40                        | 20.58                    | 20.45                         | 20.51                  |                     |          |  |
| 10                | 16QAM      | 25      | 0         | 20.22                 | 20.40                        | 20.65                    | 20.54                         | 20.48                  |                     |          |  |
| 10                | 16QAM      | 25      | 12        | 20.55                 | 20.43                        | 20.69                    | 20.41                         | 20.68                  |                     |          |  |
| 10                | 16QAM      | 25      | 25        | 20.23                 | 20.57                        | 20.66                    | 20.38                         | 20.31                  | 22                  | 0        |  |
| 10                | 16QAM      | 50      | 0         | 20.36                 | 20.31                        | 20.59                    | 20.49                         | 20.64                  |                     |          |  |
| 10                | 64QAM      | 1       | 0         | 20.36                 | 20.49                        | 20.78                    | 20.54                         | 20.38                  |                     |          |  |
| 10                | 64QAM      | 1       | 25        | 20.58                 | 20.49                        | 20.73                    | 20.42                         | 20.54                  |                     |          |  |
| 10                | 64QAM      | 1       | 49        | 20.34                 | 20.58                        | 20.71                    | 20.43                         | 20.43                  | 22                  | 0        |  |
| 10                | 64QAM      | 25      | 0         | 19.32                 | 19.65                        | 19.82                    | 19.54                         | 19.55                  |                     |          |  |
| 10                | 64QAM      | 25      | 12        | 19.47                 | 19.65                        | 19.75                    | 19.48                         | 19.55                  |                     |          |  |
| 10                | 64QAM      | 25      | 25        | 19.35                 | 19.72                        | 19.62                    | 19.40                         | 19.50                  |                     |          |  |
| 10                | 256QAM     | 50      | 0         | 19.26                 | 19.60                        | 19.49                    | 19.41                         | 19.38                  | 21                  | 1        |  |
| 10                | 256QAM     | 1       | 0         | 17.42                 | 17.46                        | 17.73                    | 17.42                         | 17.40                  |                     |          |  |
| 10                | 256QAM     | 1       | 25        | 17.59                 | 17.57                        | 17.66                    | 17.49                         | 17.53                  |                     |          |  |
| 10                | 256QAM     | 1       | 49        | 17.36                 | 17.34                        | 17.63                    | 17.28                         | 17.35                  |                     |          |  |
| 10                | 256QAM     | 25      | 0         | 17.28                 | 17.53                        | 17.64                    | 17.34                         | 17.54                  | 19                  | 3        |  |
| 10                | 256QAM     | 25      | 12        | 17.42                 | 17.57                        | 17.65                    | 17.58                         | 17.45                  |                     |          |  |
| 10                | 256QAM     | 25      | 25        | 17.51                 | 17.36                        | 17.77                    | 17.48                         | 17.54                  |                     |          |  |
| 10                | 256QAM     | 50      | 0         | 17.35                 | 17.63                        | 17.64                    | 17.38                         | 17.38                  |                     |          |  |
| Channel           |            |         |           | 39675                 | 40148                        | 40620                    | 41093                         | 41555                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 2498.5                | 2545.8                       | 2593                     | 2640.30                       | 2687.5                 |                     |          |  |
| 5                 | QPSK       | 1       | 0         | 20.38                 | 20.58                        | 20.63                    | 20.55                         | 20.58                  | 22.00               | 0        |  |
| 5                 | QPSK       | 1       | 12        | 20.55                 | 20.36                        | 20.66                    | 20.57                         | 20.57                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 20.26                 | 20.64                        | 20.66                    | 20.38                         | 20.43                  |                     |          |  |
| 5                 | QPSK       | 12      | 0         | 20.38                 | 20.36                        | 20.60                    | 20.57                         | 20.56                  |                     |          |  |
| 5                 | QPSK       | 12      | 7         | 20.37                 | 20.42                        | 20.59                    | 20.45                         | 20.49                  | 22                  | 0        |  |
| 5                 | QPSK       | 12      | 13        | 20.14                 | 20.59                        | 20.61                    | 20.39                         | 20.34                  |                     |          |  |
| 5                 | QPSK       | 25      | 0         | 20.33                 | 20.30                        | 20.57                    | 20.58                         | 20.27                  |                     |          |  |
| 5                 | 16QAM      | 1       | 0         | 20.36                 | 20.20                        | 20.58                    | 20.43                         | 20.38                  |                     |          |  |
| 5                 | 16QAM      | 1       | 12        | 20.12                 | 20.52                        | 20.50                    | 20.21                         | 20.18                  | 22                  | 0        |  |
| 5                 | 16QAM      | 1       | 24        | 20.29                 | 20.45                        | 20.56                    | 20.34                         | 20.42                  |                     |          |  |
| 5                 | 16QAM      | 12      | 0         | 20.35                 | 20.55                        | 20.74                    | 20.48                         | 20.48                  |                     |          |  |
| 5                 | 16QAM      | 12      | 7         | 20.40                 | 20.36                        | 20.72                    | 20.51                         | 20.59                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 20.26                 | 20.56                        | 20.58                    | 20.47                         | 20.34                  | 22                  | 0        |  |
| 5                 | 16QAM      | 25      | 0         | 20.32                 | 20.32                        | 20.66                    | 20.27                         | 20.47                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 20.31                 | 20.27                        | 20.56                    | 20.58                         | 20.48                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 20.49                 | 20.48                        | 20.60                    | 20.32                         | 20.42                  |                     |          |  |
| 5                 | 64QAM      | 1       | 24        | 20.19                 | 20.55                        | 20.57                    | 20.44                         | 20.47                  | 22                  | 0        |  |
| 5                 | 64QAM      | 12      | 0         | 19.30                 | 19.34                        | 19.70                    | 19.32                         | 19.27                  |                     |          |  |
| 5                 | 64QAM      | 12      | 7         | 19.21                 | 19.42                        | 19.60                    | 19.56                         | 19.32                  |                     |          |  |
| 5                 | 64QAM      | 12      | 13        | 19.35                 | 19.32                        | 19.55                    | 19.68                         | 19.66                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 19.28                 | 19.59                        | 19.47                    | 19.30                         | 19.29                  | 19                  | 3        |  |
| 5                 | 256QAM     | 1       | 0         | 17.25                 | 17.64                        | 17.63                    | 17.52                         | 17.50                  |                     |          |  |
| 5                 | 256QAM     | 1       | 12        | 17.49                 | 17.48                        | 17.52                    | 17.49                         | 17.49                  |                     |          |  |
| 5                 | 256QAM     | 1       | 24        | 17.38                 | 17.48                        | 17.62                    | 17.38                         | 17.34                  |                     |          |  |
| 5                 | 256QAM     | 12      | 0         | 17.40                 | 17.47                        | 17.70                    | 17.63                         | 17.63                  | 19                  | 3        |  |
| 5                 | 256QAM     | 12      | 7         | 17.47                 | 17.58                        | 17.69                    | 17.65                         | 17.71                  |                     |          |  |
| 5                 | 256QAM     | 12      | 13        | 17.33                 | 17.58                        | 17.79                    | 17.42                         | 17.36                  |                     |          |  |
| 5                 | 256QAM     | 25      | 0         | 17.38                 | 17.68                        | 17.53                    | 17.41                         | 17.54                  |                     |          |  |

## Full Power Mode\_Other PA

| Band 7 Ant0 Default |                |         |           |                       |                          |                        |                           |             |  |
|---------------------|----------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------------|-------------|--|
| BW [MHz]            | Modulatio<br>n | RB Size | RB Offset | Power<br>Low<br>Ch. / | Power<br>Middle<br>Ch. / | Power<br>High<br>Ch. / | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Channel             |                |         |           | 20850                 | 21100                    | 21350                  | 24.5                      | 0           |  |
| Frequency (MHz)     |                |         |           | 2510                  | 2535                     | 2560                   |                           |             |  |
| 20                  | QPSK           | 1       | 0         | 22.68                 | 22.76                    | 22.59                  | 24.5                      | 0           |  |
| 20                  | QPSK           | 1       | 49        | 22.75                 | 22.74                    | 22.70                  |                           |             |  |
| 20                  | QPSK           | 1       | 99        | 22.65                 | 22.68                    | 22.65                  |                           |             |  |
| 20                  | QPSK           | 50      | 0         | 22.24                 | 22.26                    | 22.24                  |                           |             |  |
| 20                  | QPSK           | 50      | 24        | 22.23                 | 22.23                    | 22.21                  | 23.5                      | 1           |  |
| 20                  | QPSK           | 50      | 50        | 22.05                 | 22.08                    | 22.05                  |                           |             |  |
| 20                  | QPSK           | 100     | 0         | 22.13                 | 22.17                    | 22.15                  |                           |             |  |
| 20                  | 16QAM          | 1       | 0         | 21.83                 | 21.82                    | 21.78                  |                           |             |  |
| 20                  | 16QAM          | 1       | 49        | 21.77                 | 21.80                    | 21.79                  | 23.5                      | 1           |  |
| 20                  | 16QAM          | 1       | 99        | 21.66                 | 21.69                    | 21.66                  |                           |             |  |
| 20                  | 16QAM          | 50      | 0         | 21.26                 | 21.31                    | 21.32                  |                           |             |  |
| 20                  | 16QAM          | 50      | 24        | 21.24                 | 21.29                    | 21.28                  |                           |             |  |
| 20                  | 16QAM          | 50      | 50        | 21.06                 | 21.09                    | 21.06                  | 22.5                      | 2           |  |
| 20                  | 16QAM          | 100     | 0         | 21.21                 | 21.25                    | 21.28                  |                           |             |  |
| 20                  | 64QAM          | 1       | 0         | 20.76                 | 20.78                    | 20.76                  |                           |             |  |
| 20                  | 64QAM          | 1       | 49        | 20.77                 | 20.77                    | 20.78                  |                           |             |  |
| 20                  | 64QAM          | 1       | 99        | 20.60                 | 20.65                    | 20.62                  | 22.5                      | 2           |  |
| 20                  | 64QAM          | 50      | 0         | 20.31                 | 20.32                    | 20.33                  |                           |             |  |
| 20                  | 64QAM          | 50      | 24        | 20.25                 | 20.27                    | 20.25                  |                           |             |  |
| 20                  | 64QAM          | 50      | 50        | 20.08                 | 20.12                    | 20.12                  |                           |             |  |
| 20                  | 64QAM          | 100     | 0         | 20.20                 | 20.23                    | 20.18                  | 21.5                      | 3           |  |
| 20                  | 256QAM         | 1       | 0         | 18.07                 | 18.08                    | 18.08                  |                           |             |  |
| 20                  | 256QAM         | 1       | 49        | 18.13                 | 18.12                    | 18.08                  |                           |             |  |
| 20                  | 256QAM         | 1       | 99        | 18.04                 | 18.03                    | 17.98                  |                           |             |  |
| 20                  | 256QAM         | 50      | 0         | 18.20                 | 18.22                    | 18.23                  | 19.5                      | 5           |  |
| 20                  | 256QAM         | 50      | 24        | 18.12                 | 18.11                    | 18.07                  |                           |             |  |
| 20                  | 256QAM         | 50      | 50        | 18.06                 | 18.06                    | 18.06                  |                           |             |  |
| 20                  | 256QAM         | 100     | 0         | 18.17                 | 18.19                    | 18.21                  |                           |             |  |
| Channel             |                |         |           | 20825                 | 21100                    | 21375                  | 24.5                      | 0           |  |
| Frequency (MHz)     |                |         |           | 2507.5                | 2535                     | 2562.5                 |                           |             |  |
| 15                  | QPSK           | 1       | 0         | 22.68                 | 22.72                    | 22.59                  | 24.5                      | 0           |  |
| 15                  | QPSK           | 1       | 37        | 22.71                 | 22.63                    | 22.64                  |                           |             |  |
| 15                  | QPSK           | 1       | 74        | 22.59                 | 22.67                    | 22.58                  |                           |             |  |
| 15                  | QPSK           | 36      | 0         | 22.18                 | 22.22                    | 22.17                  |                           |             |  |
| 15                  | QPSK           | 36      | 20        | 22.20                 | 22.16                    | 22.15                  | 23.5                      | 1           |  |
| 15                  | QPSK           | 36      | 39        | 22.06                 | 21.99                    | 21.96                  |                           |             |  |
| 15                  | QPSK           | 75      | 0         | 22.10                 | 22.15                    | 22.11                  |                           |             |  |
| 15                  | 16QAM          | 1       | 0         | 21.84                 | 21.74                    | 21.70                  |                           |             |  |
| 15                  | 16QAM          | 1       | 37        | 21.77                 | 21.70                    | 21.70                  | 23.5                      | 1           |  |
| 15                  | 16QAM          | 1       | 74        | 21.65                 | 21.67                    | 21.60                  |                           |             |  |
| 15                  | 16QAM          | 36      | 0         | 21.17                 | 21.26                    | 21.29                  |                           |             |  |
| 15                  | 16QAM          | 36      | 20        | 21.17                 | 21.20                    | 21.21                  |                           |             |  |
| 15                  | 16QAM          | 36      | 39        | 20.97                 | 21.07                    | 21.05                  | 22.5                      | 2           |  |
| 15                  | 16QAM          | 75      | 0         | 21.19                 | 21.15                    | 21.22                  |                           |             |  |
| 15                  | 64QAM          | 1       | 0         | 20.75                 | 20.67                    | 20.75                  |                           |             |  |
| 15                  | 64QAM          | 1       | 37        | 20.77                 | 20.75                    | 20.70                  |                           |             |  |
| 15                  | 64QAM          | 1       | 74        | 20.55                 | 20.62                    | 20.52                  | 22.5                      | 2           |  |
| 15                  | 64QAM          | 36      | 0         | 20.31                 | 20.29                    | 20.27                  |                           |             |  |
| 15                  | 64QAM          | 36      | 20        | 20.20                 | 20.24                    | 20.26                  |                           |             |  |
| 15                  | 64QAM          | 36      | 39        | 20.08                 | 20.10                    | 20.10                  |                           |             |  |
| 15                  | 64QAM          | 75      | 0         | 20.21                 | 20.17                    | 20.16                  | 21.5                      | 3           |  |
| 15                  | 256QAM         | 1       | 0         | 18.08                 | 17.98                    | 17.98                  |                           |             |  |
| 15                  | 256QAM         | 1       | 37        | 18.07                 | 18.08                    | 18.04                  |                           |             |  |
| 15                  | 256QAM         | 1       | 74        | 18.05                 | 17.93                    | 17.97                  |                           |             |  |
| 15                  | 256QAM         | 36      | 0         | 18.10                 | 18.23                    | 18.16                  | 19.5                      | 5           |  |
| 15                  | 256QAM         | 36      | 20        | 18.11                 | 18.07                    | 18.05                  |                           |             |  |
| 15                  | 256QAM         | 36      | 39        | 17.98                 | 18.03                    | 17.97                  |                           |             |  |
| 15                  | 256QAM         | 75      | 0         | 18.16                 | 18.17                    | 18.19                  |                           |             |  |
| Channel             |                |         |           | 20800                 | 21100                    | 21400                  | 24.5                      | 0           |  |
| Frequency (MHz)     |                |         |           | 2505                  | 2535                     | 2565                   |                           |             |  |
| 10                  | QPSK           | 1       | 0         | 22.61                 | 22.69                    | 22.50                  | 24.5                      | 0           |  |
| 10                  | QPSK           | 1       | 25        | 22.67                 | 22.73                    | 22.66                  |                           |             |  |
| 10                  | QPSK           | 1       | 49        | 22.57                 | 22.66                    | 22.58                  |                           |             |  |
| 10                  | QPSK           | 25      | 0         | 22.14                 | 22.23                    | 22.25                  |                           |             |  |
| 10                  | QPSK           | 25      | 12        | 22.18                 | 22.14                    | 22.15                  | 23.5                      | 1           |  |
| 10                  | QPSK           | 25      | 25        | 22.02                 | 22.00                    | 21.96                  |                           |             |  |
| 10                  | QPSK           | 50      | 0         | 22.10                 | 22.09                    | 22.13                  |                           |             |  |
| 10                  | 16QAM          | 1       | 0         | 21.79                 | 21.73                    | 21.70                  |                           |             |  |
| 10                  | 16QAM          | 1       | 25        | 21.77                 | 21.73                    | 21.68                  | 23.5                      | 1           |  |
| 10                  | 16QAM          | 1       | 49        | 21.55                 | 21.61                    | 21.63                  |                           |             |  |
| 10                  | 16QAM          | 25      | 0         | 21.17                 | 21.25                    | 21.25                  |                           |             |  |
| 10                  | 16QAM          | 25      | 12        | 21.19                 | 21.20                    | 21.26                  |                           |             |  |
| 10                  | 16QAM          | 25      | 25        | 21.06                 | 21.00                    | 20.99                  | 22.5                      | 2           |  |
| 10                  | 16QAM          | 50      | 0         | 21.12                 | 21.15                    | 21.26                  |                           |             |  |
| 10                  | 64QAM          | 1       | 0         | 20.68                 | 20.78                    | 20.68                  |                           |             |  |
| 10                  | 64QAM          | 1       | 25        | 20.72                 | 20.76                    | 20.78                  |                           |             |  |
| 10                  | 64QAM          | 1       | 49        | 20.52                 | 20.63                    | 20.53                  | 22.5                      | 2           |  |
| 10                  | 64QAM          | 25      | 0         | 20.24                 | 20.33                    | 20.25                  |                           |             |  |
| 10                  | 64QAM          | 25      | 12        | 20.16                 | 20.24                    | 20.18                  |                           |             |  |
| 10                  | 64QAM          | 25      | 25        | 20.03                 | 20.03                    | 20.12                  |                           |             |  |
| 10                  | 64QAM          | 50      | 0         | 20.15                 | 20.23                    | 20.18                  | 21.5                      | 3           |  |
| 10                  | 256QAM         | 1       | 0         | 18.03                 | 18.07                    | 18.02                  |                           |             |  |
| 10                  | 256QAM         | 1       | 25        | 18.04                 | 18.07                    | 18.07                  |                           |             |  |
| 10                  | 256QAM         | 1       | 49        | 18.01                 | 17.93                    | 17.90                  |                           |             |  |
| 10                  | 256QAM         | 25      | 0         | 18.18                 | 18.19                    | 18.13                  | 19.5                      | 5           |  |
| 10                  | 256QAM         | 25      | 12        | 18.03                 | 18.02                    | 18.03                  |                           |             |  |
| 10                  | 256QAM         | 25      | 25        | 17.99                 | 18.00                    | 18.00                  |                           |             |  |
| 10                  | 256QAM         | 50      | 0         | 18.16                 | 18.12                    | 18.11                  |                           |             |  |
| Channel             |                |         |           | 20775                 | 21100                    | 21425                  | 24.5                      | 0           |  |
| Frequency (MHz)     |                |         |           | 2502.5                | 2535                     | 2567.5                 |                           |             |  |
| 5                   | QPSK           | 1       | 0         | 22.68                 | 22.66                    | 22.56                  | 24.5                      | 0           |  |
| 5                   | QPSK           | 1       | 12        | 22.72                 | 22.71                    | 22.64                  |                           |             |  |
| 5                   | QPSK           | 1       | 24        | 22.60                 | 22.67                    | 22.57                  |                           |             |  |
| 5                   | QPSK           | 12      | 0         | 22.14                 | 22.15                    | 22.17                  |                           |             |  |
| 5                   | QPSK           | 12      | 7         | 22.14                 | 22.24                    | 22.22                  | 23.5                      | 1           |  |
| 5                   | QPSK           | 12      | 13        | 22.03                 | 22.09                    | 22.05                  |                           |             |  |
| 5                   | QPSK           | 25      | 0         | 22.05                 | 22.16                    | 22.09                  |                           |             |  |
| 5                   | 16QAM          | 1       | 0         | 21.73                 | 21.77                    | 21.75                  |                           |             |  |
| 5                   | 16QAM          | 1       | 12        | 21.78                 | 21.80                    | 21.77                  | 23.5                      | 1           |  |
| 5                   | 16QAM          | 1       | 24        | 21.62                 | 21.58                    | 21.58                  |                           |             |  |
| 5                   | 16QAM          | 12      | 0         | 21.15                 | 21.32                    | 21.29                  |                           |             |  |
| 5                   | 16QAM          | 12      | 7         | 21.24                 | 21.19                    | 21.21                  |                           |             |  |
| 5                   | 16QAM          | 12      | 13        | 21.07                 | 21.09                    | 21.06                  | 22.5                      | 2           |  |
| 5                   | 16QAM          | 25      | 0         | 21.12                 | 21.25                    | 21.21                  |                           |             |  |
| 5                   | 64QAM          | 1       | 0         | 20.68                 | 20.68                    | 20.69                  |                           |             |  |
| 5                   | 64QAM          | 1       | 12        | 20.70                 | 20.75                    | 20.71                  |                           |             |  |
| 5                   | 64QAM          | 1       | 24        | 20.50                 | 20.56                    | 20.60                  | 22.5                      | 2           |  |
| 5                   | 64QAM          | 12      | 0         | 20.23                 | 20.23                    | 20.29                  |                           |             |  |
| 5                   | 64QAM          | 12      | 7         | 20.26                 | 20.21                    | 20.17                  |                           |             |  |
| 5                   | 64QAM          | 12      | 13        | 20.02                 | 20.12                    | 20.02                  |                           |             |  |
| 5                   | 64QAM          | 25      | 0         | 20.11                 | 20.20                    | 20.09                  | 21.5                      | 3           |  |
| 5                   | 256QAM         | 1       | 0         | 18.07                 | 18.06                    | 18.08                  |                           |             |  |
| 5                   | 256QAM         | 1       | 12        | 18.05                 | 18.04                    | 18.01                  |                           |             |  |
| 5                   | 256QAM         | 1       | 24        | 18.04                 | 17.99                    | 17.93                  |                           |             |  |
| 5                   | 256QAM         | 12      | 0         | 18.19                 | 18.13                    | 18.16                  | 19.5                      | 5           |  |
| 5                   | 256QAM         | 12      | 7         | 18.09                 | 18.01                    | 18.05                  |                           |             |  |
| 5                   | 256QAM         | 12      | 13        | 18.05                 | 18.03                    | 17.99                  |                           |             |  |
| 5                   | 256QAM         | 25      | 0         | 18.13                 | 18.12                    | 18.14                  |                           |             |  |

| Band 7 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 20850                 | 21100                    | 21350                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 23.79                 | 23.84                    | 23.72                  | 25                  | 0        |  |
| 20                  | QPSK       | 1       | 49        | 23.71                 | 23.78                    | 23.68                  |                     |          |  |
| 20                  | QPSK       | 1       | 99        | 23.72                 | 23.74                    | 23.72                  |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 23.31                 | 23.36                    | 23.27                  | 24                  | 1        |  |
| 20                  | QPSK       | 50      | 24        | 23.35                 | 23.33                    | 23.23                  |                     |          |  |
| 20                  | QPSK       | 50      | 50        | 23.15                 | 23.24                    | 23.15                  |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 23.23                 | 23.28                    | 23.26                  | 24                  | 1        |  |
| 20                  | 16QAM      | 1       | 0         | 22.88                 | 22.92                    | 22.88                  |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 22.89                 | 22.97                    | 22.95                  |                     |          |  |
| 20                  | 16QAM      | 1       | 99        | 22.82                 | 22.82                    | 22.80                  | 23                  | 2        |  |
| 20                  | 16QAM      | 50      | 0         | 22.34                 | 22.35                    | 22.29                  |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 22.34                 | 22.33                    | 22.33                  |                     |          |  |
| 20                  | 16QAM      | 50      | 50        | 22.14                 | 22.23                    | 22.18                  | 23                  | 2        |  |
| 20                  | 16QAM      | 100     | 0         | 22.31                 | 22.30                    | 22.22                  |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 21.78                 | 21.87                    | 21.86                  | 23                  | 2        |  |
| 20                  | 64QAM      | 1       | 49        | 21.85                 | 21.91                    | 21.91                  |                     |          |  |
| 20                  | 64QAM      | 1       | 99        | 21.77                 | 21.78                    | 21.78                  |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 21.24                 | 21.31                    | 21.21                  | 22                  | 3        |  |
| 20                  | 64QAM      | 50      | 24        | 21.35                 | 21.39                    | 21.34                  |                     |          |  |
| 20                  | 64QAM      | 50      | 50        | 21.19                 | 21.26                    | 21.21                  |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 21.29                 | 21.31                    | 21.33                  | 20                  | 5        |  |
| 20                  | 256QAM     | 1       | 0         | 19.13                 | 19.21                    | 19.21                  |                     |          |  |
| 20                  | 256QAM     | 1       | 49        | 19.23                 | 19.26                    | 19.17                  |                     |          |  |
| 20                  | 256QAM     | 1       | 99        | 19.03                 | 19.12                    | 19.13                  | 20                  | 5        |  |
| 20                  | 256QAM     | 50      | 0         | 19.22                 | 19.31                    | 19.24                  |                     |          |  |
| 20                  | 256QAM     | 50      | 24        | 19.27                 | 19.35                    | 19.28                  |                     |          |  |
| 20                  | 256QAM     | 50      | 50        | 19.18                 | 19.19                    | 19.15                  | 20                  | 5        |  |
| 20                  | 256QAM     | 100     | 0         | 19.24                 | 19.28                    | 19.29                  |                     |          |  |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 23.81                 | 23.81                    | 23.64                  | 25                  | 0        |  |
| 15                  | QPSK       | 1       | 37        | 23.71                 | 23.78                    | 23.61                  |                     |          |  |
| 15                  | QPSK       | 1       | 74        | 23.74                 | 23.69                    | 23.64                  |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 23.23                 | 23.27                    | 23.17                  | 24                  | 1        |  |
| 15                  | QPSK       | 36      | 20        | 23.26                 | 23.32                    | 23.16                  |                     |          |  |
| 15                  | QPSK       | 36      | 39        | 23.05                 | 23.24                    | 23.06                  |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 23.19                 | 23.19                    | 23.20                  | 24                  | 1        |  |
| 15                  | 16QAM      | 1       | 0         | 22.86                 | 22.86                    | 22.84                  |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 22.89                 | 22.89                    | 22.89                  |                     |          |  |
| 15                  | 16QAM      | 1       | 74        | 22.78                 | 22.78                    | 22.72                  | 23                  | 2        |  |
| 15                  | 16QAM      | 36      | 0         | 22.30                 | 22.26                    | 22.27                  |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 22.27                 | 22.33                    | 22.32                  |                     |          |  |
| 15                  | 16QAM      | 36      | 39        | 22.11                 | 22.14                    | 22.09                  | 23                  | 2        |  |
| 15                  | 16QAM      | 75      | 0         | 22.25                 | 22.24                    | 22.17                  |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 21.69                 | 21.87                    | 21.79                  |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 21.80                 | 21.92                    | 21.91                  | 23                  | 2        |  |
| 15                  | 64QAM      | 1       | 74        | 21.74                 | 21.74                    | 21.75                  |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 21.20                 | 21.29                    | 21.19                  |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 21.32                 | 21.35                    | 21.31                  | 22                  | 3        |  |
| 15                  | 64QAM      | 36      | 39        | 21.17                 | 21.18                    | 21.20                  |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 21.27                 | 21.32                    | 21.34                  |                     |          |  |
| 15                  | 256QAM     | 1       | 0         | 19.12                 | 19.17                    | 19.22                  | 20                  | 5        |  |
| 15                  | 256QAM     | 1       | 37        | 19.19                 | 19.26                    | 19.16                  |                     |          |  |
| 15                  | 256QAM     | 1       | 74        | 19.00                 | 19.08                    | 19.09                  |                     |          |  |
| 15                  | 256QAM     | 36      | 0         | 19.18                 | 19.25                    | 19.26                  | 20                  | 5        |  |
| 15                  | 256QAM     | 36      | 20        | 19.17                 | 19.35                    | 19.26                  |                     |          |  |
| 15                  | 256QAM     | 36      | 39        | 19.10                 | 19.13                    | 19.12                  |                     |          |  |
| 15                  | 256QAM     | 75      | 0         | 19.14                 | 19.19                    | 19.30                  | 20                  | 5        |  |
| Channel             |            |         |           | 20800                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz)     |            |         |           | 2505                  | 2535                     | 2565                   | Tune-up limit (dBm) | MPR (dB) |  |
| 10                  | QPSK       | 1       | 0         | 23.72                 | 23.74                    | 23.70                  |                     | 25       |  |
| 10                  | QPSK       | 1       | 25        | 23.72                 | 23.75                    | 23.59                  |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 23.64                 | 23.75                    | 23.67                  |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 23.29                 | 23.26                    | 23.20                  | 24                  | 1        |  |
| 10                  | QPSK       | 25      | 12        | 23.33                 | 23.25                    | 23.18                  |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 23.12                 | 23.15                    | 23.13                  |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 23.23                 | 23.23                    | 23.17                  | 24                  | 1        |  |
| 10                  | 16QAM      | 1       | 0         | 22.79                 | 22.93                    | 22.78                  |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 22.85                 | 22.96                    | 22.91                  |                     |          |  |
| 10                  | 16QAM      | 1       | 49        | 22.75                 | 22.80                    | 22.73                  | 24                  | 1        |  |
| 10                  | 16QAM      | 25      | 0         | 22.31                 | 22.34                    | 22.27                  |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 22.31                 | 22.26                    | 22.33                  |                     |          |  |
| 10                  | 16QAM      | 25      | 25        | 22.11                 | 22.24                    | 22.10                  | 23                  | 2        |  |
| 10                  | 16QAM      | 50      | 0         | 22.31                 | 22.22                    | 22.23                  |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 21.72                 | 21.85                    | 21.88                  |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 21.83                 | 21.83                    | 21.93                  | 23                  | 2        |  |
| 10                  | 64QAM      | 1       | 49        | 21.70                 | 21.71                    | 21.79                  |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 21.22                 | 21.31                    | 21.15                  |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 21.34                 | 21.32                    | 21.27                  | 22                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 21.09                 | 21.22                    | 21.12                  |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 21.26                 | 21.33                    | 21.33                  |                     |          |  |
| 10                  | 256QAM     | 1       | 0         | 19.08                 | 19.13                    | 19.17                  | 20                  | 5        |  |
| 10                  | 256QAM     | 1       | 25        | 19.22                 | 19.24                    | 19.08                  |                     |          |  |
| 10                  | 256QAM     | 1       | 49        | 19.02                 | 19.12                    | 19.04                  |                     |          |  |
| 10                  | 256QAM     | 25      | 0         | 19.15                 | 19.23                    | 19.15                  | 20                  | 5        |  |
| 10                  | 256QAM     | 25      | 12        | 19.19                 | 19.26                    | 19.24                  |                     |          |  |
| 10                  | 256QAM     | 25      | 25        | 19.17                 | 19.10                    | 19.05                  |                     |          |  |
| 10                  | 256QAM     | 50      | 0         | 19.20                 | 19.28                    | 19.27                  | 20                  | 5        |  |
| Channel             |            |         |           | 20775                 | 21100                    | 21425                  |                     |          |  |
| Frequency (MHz)     |            |         |           | 2502.5                | 2535                     | 2567.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 5                   | QPSK       | 1       | 0         | 23.72                 | 23.77                    | 23.71                  |                     | 25       |  |
| 5                   | QPSK       | 1       | 12        | 23.63                 | 23.71                    | 23.69                  |                     |          |  |
| 5                   | QPSK       | 1       | 24        | 23.73                 | 23.65                    | 23.65                  |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 23.30                 | 23.27                    | 23.27                  | 24                  | 1        |  |
| 5                   | QPSK       | 12      | 7         | 23.26                 | 23.31                    | 23.23                  |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 23.06                 | 23.19                    | 23.10                  |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 23.15                 | 23.21                    | 23.19                  | 24                  | 1        |  |
| 5                   | 16QAM      | 1       | 0         | 22.87                 | 22.90                    | 22.88                  |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 22.85                 | 22.93                    | 22.89                  |                     |          |  |
| 5                   | 16QAM      | 1       | 24        | 22.82                 | 22.75                    | 22.76                  | 23                  | 2        |  |
| 5                   | 16QAM      | 12      | 0         | 22.25                 | 22.35                    | 22.24                  |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 22.29                 | 22.27                    | 22.32                  |                     |          |  |
| 5                   | 16QAM      | 12      | 13        | 22.08                 | 22.24                    | 22.20                  | 23                  | 2        |  |
| 5                   | 16QAM      | 25      | 0         | 22.24                 | 22.29                    | 22.19                  |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 21.76                 | 21.79                    | 21.82                  |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 21.84                 | 21.82                    | 21.85                  | 23                  | 2        |  |
| 5                   | 64QAM      | 1       | 24        | 21.75                 | 21.69                    | 21.74                  |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 21.22                 | 21.26                    | 21.15                  |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 21.26                 | 21.37                    | 21.27                  | 22                  | 3        |  |
| 5                   | 64QAM      | 12      | 13        | 21.16                 | 21.21                    | 21.18                  |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 21.28                 | 21.24                    | 21.35                  |                     |          |  |
| 5                   | 256QAM     | 1       | 0         | 19.15                 | 19.21                    | 19.12                  | 20                  | 5        |  |
| 5                   | 256QAM     | 1       | 12        | 19.19                 | 19.24                    | 19.19                  |                     |          |  |
| 5                   | 256QAM     | 1       | 24        | 19.05                 | 19.12                    | 19.10                  |                     |          |  |
| 5                   | 256QAM     | 12      | 0         | 19.13                 | 19.25                    | 19.18                  | 20                  | 5        |  |
| 5                   | 256QAM     | 12      | 7         | 19.18                 | 19.36                    | 19.19                  |                     |          |  |
| 5                   | 256QAM     | 12      | 13        | 19.12                 | 19.18                    | 19.12                  |                     |          |  |
| 5                   | 256QAM     | 25      | 0         | 19.24                 | 19.21                    | 19.30                  | 20                  | 5        |  |
|                     |            |         |           |                       |                          |                        |                     |          |  |

| Band 7 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 22.07                 | 22.19                    | 22.08                  | 24                  | 0        |  |
| 20                  | QPSK       | 1       | 49        | 22.08                 | 22.10                    | 22.05                  |                     |          |  |
| 20                  | QPSK       | 1       | 99        | 22.06                 | 22.06                    | 22.01                  |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 21.43                 | 21.49                    | 21.46                  | 23                  | 1        |  |
| 20                  | QPSK       | 50      | 24        | 21.44                 | 21.41                    | 21.39                  |                     |          |  |
| 20                  | QPSK       | 50      | 50        | 21.38                 | 21.42                    | 21.35                  |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 21.41                 | 21.46                    | 21.35                  | 23                  | 1        |  |
| 20                  | 16QAM      | 1       | 0         | 21.06                 | 21.08                    | 21.09                  |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 21.05                 | 21.01                    | 21.02                  |                     |          |  |
| 20                  | 16QAM      | 1       | 99        | 21.00                 | 21.00                    | 21.09                  | 22                  | 2        |  |
| 20                  | 16QAM      | 50      | 0         | 20.35                 | 20.39                    | 20.30                  |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 20.43                 | 20.45                    | 20.34                  |                     |          |  |
| 20                  | 16QAM      | 50      | 50        | 20.24                 | 20.32                    | 20.30                  | 22                  | 2        |  |
| 20                  | 16QAM      | 100     | 0         | 20.31                 | 20.41                    | 20.35                  |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 20.01                 | 20.04                    | 20.04                  |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 20.02                 | 20.04                    | 20.02                  | 22                  | 2        |  |
| 20                  | 64QAM      | 1       | 99        | 20.04                 | 20.01                    | 20.02                  |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 19.35                 | 19.38                    | 19.27                  |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 19.33                 | 19.42                    | 19.40                  | 21                  | 3        |  |
| 20                  | 64QAM      | 50      | 50        | 19.28                 | 19.28                    | 19.21                  |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 19.30                 | 19.36                    | 19.26                  |                     |          |  |
| 20                  | 256QAM     | 1       | 0         | 17.21                 | 17.28                    | 17.25                  | 19                  | 5        |  |
| 20                  | 256QAM     | 1       | 49        | 17.28                 | 17.34                    | 17.29                  |                     |          |  |
| 20                  | 256QAM     | 1       | 99        | 17.14                 | 17.26                    | 17.24                  |                     |          |  |
| 20                  | 256QAM     | 50      | 0         | 17.33                 | 17.40                    | 17.33                  | 19                  | 5        |  |
| 20                  | 256QAM     | 50      | 24        | 17.38                 | 17.44                    | 17.39                  |                     |          |  |
| 20                  | 256QAM     | 50      | 50        | 17.26                 | 17.29                    | 17.26                  |                     |          |  |
| 20                  | 256QAM     | 100     | 0         | 17.22                 | 17.31                    | 17.24                  |                     |          |  |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 22.06                 | 22.13                    | 22.07                  | 24                  | 0        |  |
| 15                  | QPSK       | 1       | 37        | 22.06                 | 22.12                    | 22.03                  |                     |          |  |
| 15                  | QPSK       | 1       | 74        | 22.10                 | 22.14                    | 22.05                  |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 21.34                 | 21.44                    | 21.38                  | 23                  | 1        |  |
| 15                  | QPSK       | 36      | 20        | 21.35                 | 21.31                    | 21.37                  |                     |          |  |
| 15                  | QPSK       | 36      | 39        | 21.30                 | 21.42                    | 21.28                  |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 21.38                 | 21.39                    | 21.28                  | 23                  | 1        |  |
| 15                  | 16QAM      | 1       | 0         | 21.16                 | 21.25                    | 21.17                  |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 21.15                 | 21.17                    | 21.16                  |                     |          |  |
| 15                  | 16QAM      | 1       | 74        | 21.16                 | 21.13                    | 21.09                  | 22                  | 2        |  |
| 15                  | 16QAM      | 36      | 0         | 20.26                 | 20.34                    | 20.23                  |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 20.39                 | 20.37                    | 20.29                  |                     |          |  |
| 15                  | 16QAM      | 36      | 39        | 20.15                 | 20.30                    | 20.21                  | 22                  | 2        |  |
| 15                  | 16QAM      | 75      | 0         | 20.27                 | 20.30                    | 20.27                  |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 20.03                 | 20.09                    | 20.02                  |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 20.15                 | 20.17                    | 20.08                  | 22                  | 2        |  |
| 15                  | 64QAM      | 1       | 74        | 20.04                 | 20.05                    | 20.09                  |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 19.34                 | 19.32                    | 19.19                  |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 19.29                 | 19.38                    | 19.37                  | 21                  | 3        |  |
| 15                  | 64QAM      | 36      | 39        | 19.25                 | 19.24                    | 19.12                  |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 19.28                 | 19.34                    | 19.22                  |                     |          |  |
| 15                  | 256QAM     | 1       | 0         | 17.18                 | 17.24                    | 17.25                  | 19                  | 5        |  |
| 15                  | 256QAM     | 1       | 37        | 17.25                 | 17.33                    | 17.26                  |                     |          |  |
| 15                  | 256QAM     | 1       | 74        | 17.07                 | 17.16                    | 17.14                  |                     |          |  |
| 15                  | 256QAM     | 36      | 0         | 17.30                 | 17.28                    | 17.21                  | 19                  | 5        |  |
| 15                  | 256QAM     | 36      | 20        | 17.36                 | 17.38                    | 17.29                  |                     |          |  |
| 15                  | 256QAM     | 36      | 39        | 17.16                 | 17.26                    | 17.23                  |                     |          |  |
| 15                  | 256QAM     | 75      | 0         | 17.15                 | 17.21                    | 17.19                  |                     |          |  |
| Channel             |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 22.08                 | 22.13                    | 22.14                  | 24                  | 0        |  |
| 10                  | QPSK       | 1       | 25        | 22.02                 | 22.11                    | 22.14                  |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 22.13                 | 22.13                    | 22.06                  |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 21.34                 | 21.46                    | 21.41                  | 23                  | 1        |  |
| 10                  | QPSK       | 25      | 12        | 21.39                 | 21.41                    | 21.30                  |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 21.36                 | 21.37                    | 21.33                  |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 21.39                 | 21.35                    | 21.34                  | 23                  | 1        |  |
| 10                  | 16QAM      | 1       | 0         | 21.25                 | 21.19                    | 21.12                  |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 21.21                 | 21.20                    | 21.19                  |                     |          |  |
| 10                  | 16QAM      | 1       | 49        | 21.19                 | 21.20                    | 21.18                  | 22                  | 2        |  |
| 10                  | 16QAM      | 25      | 0         | 20.33                 | 20.30                    | 20.24                  |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 20.41                 | 20.34                    | 20.25                  |                     |          |  |
| 10                  | 16QAM      | 25      | 25        | 20.21                 | 20.27                    | 20.27                  | 22                  | 2        |  |
| 10                  | 16QAM      | 50      | 0         | 20.27                 | 20.35                    | 20.31                  |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 20.05                 | 20.03                    | 20.11                  |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 20.13                 | 20.22                    | 20.08                  | 22                  | 2        |  |
| 10                  | 64QAM      | 1       | 49        | 20.06                 | 20.15                    | 20.08                  |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 19.27                 | 19.36                    | 19.23                  |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 19.27                 | 19.39                    | 19.38                  | 21                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 19.22                 | 19.27                    | 19.19                  |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 19.19                 | 19.32                    | 19.24                  |                     |          |  |
| 10                  | 256QAM     | 1       | 0         | 17.10                 | 17.17                    | 17.20                  | 19                  | 5        |  |
| 10                  | 256QAM     | 1       | 25        | 17.21                 | 17.25                    | 17.23                  |                     |          |  |
| 10                  | 256QAM     | 1       | 49        | 17.14                 | 17.24                    | 17.17                  |                     |          |  |
| 10                  | 256QAM     | 25      | 0         | 17.32                 | 17.40                    | 17.26                  | 19                  | 5        |  |
| 10                  | 256QAM     | 25      | 12        | 17.29                 | 17.35                    | 17.32                  |                     |          |  |
| 10                  | 256QAM     | 25      | 25        | 17.16                 | 17.20                    | 17.14                  |                     |          |  |
| 10                  | 256QAM     | 50      | 0         | 17.15                 | 17.31                    | 17.16                  |                     |          |  |
| Channel             |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 22.12                 | 22.14                    | 22.17                  | 24                  | 0        |  |
| 5                   | QPSK       | 1       | 12        | 22.04                 | 22.13                    | 22.05                  |                     |          |  |
| 5                   | QPSK       | 1       | 24        | 22.10                 | 22.11                    | 22.03                  |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 21.40                 | 21.40                    | 21.43                  | 23                  | 1        |  |
| 5                   | QPSK       | 12      | 7         | 21.34                 | 21.34                    | 21.35                  |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 21.29                 | 21.42                    | 21.26                  |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 21.39                 | 21.43                    | 21.29                  | 23                  | 1        |  |
| 5                   | 16QAM      | 1       | 0         | 21.14                 | 21.21                    | 21.18                  |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 21.20                 | 21.13                    | 21.20                  |                     |          |  |
| 5                   | 16QAM      | 1       | 24        | 21.14                 | 21.18                    | 21.12                  | 22                  | 2        |  |
| 5                   | 16QAM      | 12      | 0         | 20.28                 | 20.29                    | 20.24                  |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 20.35                 | 20.44                    | 20.28                  |                     |          |  |
| 5                   | 16QAM      | 12      | 13        | 20.21                 | 20.31                    | 20.24                  | 22                  | 2        |  |
| 5                   | 16QAM      | 25      | 0         | 20.25                 | 20.30                    | 20.27                  |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 20.05                 | 20.12                    | 20.03                  |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 20.20                 | 20.13                    | 20.12                  | 22                  | 2        |  |
| 5                   | 64QAM      | 1       | 24        | 20.02                 | 20.09                    | 20.02                  |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 19.27                 | 19.31                    | 19.15                  |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 19.28                 | 19.34                    | 19.32                  | 21                  | 3        |  |
| 5                   | 64QAM      | 12      | 13        | 19.22                 | 19.28                    | 19.14                  |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 19.21                 | 19.36                    | 19.24                  |                     |          |  |
| 5                   | 256QAM     | 1       | 0         | 17.12                 | 17.27                    | 17.18                  | 19                  | 5        |  |
| 5                   | 256QAM     | 1       | 12        | 17.20                 | 17.30                    | 17.26                  |                     |          |  |
| 5                   | 256QAM     | 1       | 24        | 17.05                 | 17.20                    | 17.13                  |                     |          |  |
| 5                   | 256QAM     | 12      | 0         | 17.26                 | 17.32                    | 17.22                  | 19                  | 5        |  |
| 5                   | 256QAM     | 12      | 7         | 17.31                 | 17.40                    | 17.31                  |                     |          |  |
| 5                   | 256QAM     | 12      | 13        | 17.21                 | 17.26                    | 17.25                  |                     |          |  |
| 5                   | 256QAM     | 25      | 0         | 17.21                 | 17.26                    | 17.19                  |                     |          |  |

| Band 7 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 23.89                 | 23.93                    | 23.78                  | 25.5                | 0        |  |
| 20                  | QPSK       | 1       | 49        | 23.82                 | 23.91                    | 23.72                  |                     |          |  |
| 20                  | QPSK       | 1       | 99        | 23.75                 | 23.85                    | 23.79                  |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 23.43                 | 23.44                    | 23.34                  | 24.5                | 1        |  |
| 20                  | QPSK       | 50      | 24        | 23.28                 | 23.39                    | 23.32                  |                     |          |  |
| 20                  | QPSK       | 50      | 50        | 23.20                 | 23.24                    | 23.13                  |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 23.35                 | 23.37                    | 23.33                  | 24.5                | 1        |  |
| 20                  | 16QAM      | 1       | 0         | 22.86                 | 22.98                    | 22.92                  |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 22.83                 | 22.89                    | 22.85                  |                     |          |  |
| 20                  | 16QAM      | 1       | 99        | 22.91                 | 22.92                    | 22.86                  | 23.5                | 2        |  |
| 20                  | 16QAM      | 50      | 0         | 22.36                 | 22.44                    | 22.37                  |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 22.36                 | 22.40                    | 22.35                  |                     |          |  |
| 20                  | 16QAM      | 50      | 50        | 22.22                 | 22.33                    | 22.31                  | 23.5                | 2        |  |
| 20                  | 16QAM      | 100     | 0         | 22.44                 | 22.46                    | 22.45                  |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 21.90                 | 21.93                    | 21.86                  | 23.5                | 2        |  |
| 20                  | 64QAM      | 1       | 49        | 21.86                 | 21.87                    | 21.78                  |                     |          |  |
| 20                  | 64QAM      | 1       | 99        | 21.77                 | 21.82                    | 21.82                  | 22.5                | 3        |  |
| 20                  | 64QAM      | 50      | 0         | 21.31                 | 21.42                    | 21.41                  |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 21.31                 | 21.32                    | 21.31                  |                     |          |  |
| 20                  | 64QAM      | 50      | 50        | 21.33                 | 21.38                    | 21.33                  | 20.5                | 5        |  |
| 20                  | 64QAM      | 100     | 0         | 21.40                 | 21.40                    | 21.33                  |                     |          |  |
| 20                  | 256QAM     | 1       | 0         | 19.26                 | 19.26                    | 19.19                  |                     |          |  |
| 20                  | 256QAM     | 1       | 49        | 19.08                 | 19.17                    | 19.10                  | 20.5                | 5        |  |
| 20                  | 256QAM     | 1       | 99        | 19.26                 | 19.32                    | 19.21                  |                     |          |  |
| 20                  | 256QAM     | 50      | 0         | 19.38                 | 19.38                    | 19.31                  |                     |          |  |
| 20                  | 256QAM     | 50      | 24        | 19.15                 | 19.24                    | 19.21                  | 20.5                | 5        |  |
| 20                  | 256QAM     | 50      | 50        | 19.29                 | 19.35                    | 19.30                  |                     |          |  |
| 20                  | 256QAM     | 100     | 0         | 19.18                 | 19.29                    | 19.13                  |                     |          |  |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 23.87                 | 23.91                    | 23.67                  | 25.5                | 0        |  |
| 15                  | QPSK       | 1       | 37        | 23.70                 | 23.85                    | 23.65                  |                     |          |  |
| 15                  | QPSK       | 1       | 74        | 23.74                 | 23.79                    | 23.77                  |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 23.41                 | 23.32                    | 23.31                  | 24.5                | 1        |  |
| 15                  | QPSK       | 36      | 20        | 23.25                 | 23.36                    | 23.24                  |                     |          |  |
| 15                  | QPSK       | 36      | 39        | 23.18                 | 23.12                    | 23.13                  |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 23.25                 | 23.35                    | 23.32                  | 24.5                | 1        |  |
| 15                  | 16QAM      | 1       | 0         | 22.79                 | 22.94                    | 22.90                  |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 22.79                 | 22.86                    | 22.73                  |                     |          |  |
| 15                  | 16QAM      | 1       | 74        | 22.87                 | 22.86                    | 22.86                  | 23.5                | 2        |  |
| 15                  | 16QAM      | 36      | 0         | 22.34                 | 22.36                    | 22.26                  |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 22.28                 | 22.38                    | 22.33                  |                     |          |  |
| 15                  | 16QAM      | 36      | 39        | 22.21                 | 22.27                    | 22.29                  | 23.5                | 2        |  |
| 15                  | 16QAM      | 75      | 0         | 22.41                 | 22.38                    | 22.41                  |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 21.88                 | 21.86                    | 21.75                  |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 21.76                 | 21.79                    | 21.70                  | 22.5                | 3        |  |
| 15                  | 64QAM      | 1       | 74        | 21.73                 | 21.77                    | 21.80                  |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 21.21                 | 21.41                    | 21.38                  |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 21.28                 | 21.25                    | 21.21                  | 20.5                | 5        |  |
| 15                  | 64QAM      | 36      | 39        | 21.25                 | 21.30                    | 21.28                  |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 21.33                 | 21.38                    | 21.30                  |                     |          |  |
| 15                  | 256QAM     | 1       | 0         | 19.16                 | 19.19                    | 19.14                  | 20.5                | 5        |  |
| 15                  | 256QAM     | 1       | 37        | 18.96                 | 19.15                    | 19.10                  |                     |          |  |
| 15                  | 256QAM     | 1       | 74        | 19.25                 | 19.28                    | 19.09                  |                     |          |  |
| 15                  | 256QAM     | 36      | 0         | 19.32                 | 19.34                    | 19.27                  | 20.5                | 5        |  |
| 15                  | 256QAM     | 36      | 20        | 19.11                 | 19.19                    | 19.10                  |                     |          |  |
| 15                  | 256QAM     | 36      | 39        | 19.20                 | 19.24                    | 19.21                  |                     |          |  |
| 15                  | 256QAM     | 75      | 0         | 19.06                 | 19.18                    | 19.03                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 20800                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz)     |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 23.79                 | 23.84                    | 23.73                  |                     | 25.5     |  |
| 10                  | QPSK       | 1       | 25        | 23.73                 | 23.82                    | 23.64                  |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 23.68                 | 23.81                    | 23.67                  | 24.5                | 1        |  |
| 10                  | QPSK       | 25      | 0         | 23.40                 | 23.40                    | 23.32                  |                     |          |  |
| 10                  | QPSK       | 25      | 12        | 23.23                 | 23.36                    | 23.21                  |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 23.08                 | 23.18                    | 23.07                  | 24.5                | 1        |  |
| 10                  | QPSK       | 50      | 0         | 23.35                 | 23.33                    | 23.29                  |                     |          |  |
| 10                  | 16QAM      | 1       | 0         | 22.76                 | 22.97                    | 22.90                  |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 22.75                 | 22.81                    | 22.75                  | 23.5                | 2        |  |
| 10                  | 16QAM      | 1       | 49        | 22.81                 | 22.91                    | 22.78                  |                     |          |  |
| 10                  | 16QAM      | 25      | 0         | 22.29                 | 22.35                    | 22.31                  |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 22.24                 | 22.30                    | 22.25                  | 23.5                | 2        |  |
| 10                  | 16QAM      | 25      | 25        | 22.12                 | 22.26                    | 22.29                  |                     |          |  |
| 10                  | 16QAM      | 50      | 0         | 22.39                 | 22.42                    | 22.36                  |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 21.89                 | 21.92                    | 21.78                  | 23.5                | 2        |  |
| 10                  | 64QAM      | 1       | 25        | 21.83                 | 21.77                    | 21.72                  |                     |          |  |
| 10                  | 64QAM      | 1       | 49        | 21.69                 | 21.73                    | 21.61                  |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 21.26                 | 21.35                    | 21.40                  | 22.5                | 3        |  |
| 10                  | 64QAM      | 25      | 12        | 21.28                 | 21.23                    | 21.22                  |                     |          |  |
| 10                  | 64QAM      | 25      | 25        | 21.22                 | 21.33                    | 21.22                  |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 21.38                 | 21.33                    | 21.29                  | 20.5                | 5        |  |
| 10                  | 256QAM     | 1       | 0         | 19.26                 | 19.14                    | 19.13                  |                     |          |  |
| 10                  | 256QAM     | 1       | 25        | 18.98                 | 19.12                    | 19.07                  |                     |          |  |
| 10                  | 256QAM     | 1       | 49        | 19.21                 | 19.22                    | 19.17                  | 20.5                | 5        |  |
| 10                  | 256QAM     | 25      | 0         | 19.36                 | 19.31                    | 19.24                  |                     |          |  |
| 10                  | 256QAM     | 25      | 12        | 19.12                 | 19.23                    | 19.19                  |                     |          |  |
| 10                  | 256QAM     | 25      | 25        | 19.28                 | 19.23                    | 19.28                  | Tune-up limit (dBm) | MPR (dB) |  |
| 10                  | 256QAM     | 50      | 0         | 19.08                 | 19.19                    | 19.09                  |                     |          |  |
| Channel             |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 23.82                 | 23.82                    | 23.73                  | 25.5                | 0        |  |
| 5                   | QPSK       | 1       | 12        | 23.70                 | 23.90                    | 23.60                  |                     |          |  |
| 5                   | QPSK       | 1       | 24        | 23.74                 | 23.75                    | 23.71                  |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 23.31                 | 23.41                    | 23.25                  | 24.5                | 1        |  |
| 5                   | QPSK       | 12      | 7         | 23.23                 | 23.37                    | 23.24                  |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 23.10                 | 23.14                    | 23.06                  |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 23.24                 | 23.30                    | 23.28                  | 24.5                | 1        |  |
| 5                   | 16QAM      | 1       | 0         | 22.82                 | 22.95                    | 22.90                  |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 22.72                 | 22.87                    | 22.84                  |                     |          |  |
| 5                   | 16QAM      | 1       | 24        | 22.90                 | 22.82                    | 22.76                  | 23.5                | 2        |  |
| 5                   | 16QAM      | 12      | 0         | 22.32                 | 22.38                    | 22.26                  |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 22.25                 | 22.39                    | 22.33                  |                     |          |  |
| 5                   | 16QAM      | 12      | 13        | 22.14                 | 22.22                    | 22.20                  | 23.5                | 2        |  |
| 5                   | 16QAM      | 25      | 0         | 22.37                 | 22.44                    | 22.39                  |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 21.83                 | 21.93                    | 21.83                  | 23.5                | 2        |  |
| 5                   | 64QAM      | 1       | 12        | 21.78                 | 21.80                    | 21.77                  |                     |          |  |
| 5                   | 64QAM      | 1       | 24        | 21.68                 | 21.80                    | 21.79                  |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 21.26                 | 21.39                    | 21.34                  | 22.5                | 3        |  |
| 5                   | 64QAM      | 12      | 7         | 21.20                 | 21.25                    | 21.31                  |                     |          |  |
| 5                   | 64QAM      | 12      | 13        | 21.31                 | 21.36                    | 21.30                  |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 21.35                 | 21.35                    | 21.31                  | 20.5                | 5        |  |
| 5                   | 256QAM     | 1       | 0         | 19.26                 | 19.22                    | 19.09                  |                     |          |  |
| 5                   | 256QAM     | 1       | 12        | 19.08                 | 19.06                    | 19.02                  |                     |          |  |
| 5                   | 256QAM     | 1       | 24        | 19.22                 | 19.32                    | 19.13                  | 20.5                | 5        |  |
| 5                   | 256QAM     | 12      | 0         | 19.28                 | 19.29                    | 19.19                  |                     |          |  |
| 5                   | 256QAM     | 12      | 7         | 19.04                 | 19.15                    | 19.10                  |                     |          |  |
| 5                   | 256QAM     | 12      | 13        | 19.21                 | 19.30                    | 19.27                  | Tune-up limit (dBm) | MPR (dB) |  |
| 5                   | 256QAM     | 25      | 0         | 19.10                 | 19.20                    | 19.03                  |                     |          |  |



| Band 7 Ant1 DSI0 |            |         |           |                 |                    |                  |                     |          |  |
|------------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / | Power Middle Ch. / | Power High Ch. / | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 20850           | 21100              | 21350            |                     |          |  |
| Frequency (MHz)  |            |         |           | 2510            | 2535               | 2560             |                     |          |  |
| 20               | QPSK       | 1       | 0         | 19.79           | 19.95              | 19.75            | 21                  | 0        |  |
| 20               | QPSK       | 1       | 49        | 19.79           | 19.71              | 19.79            |                     |          |  |
| 20               | QPSK       | 1       | 99        | 19.78           | 19.62              | 19.71            |                     |          |  |
| 20               | QPSK       | 50      | 0         | 19.72           | 19.82              | 19.54            |                     |          |  |
| 20               | QPSK       | 50      | 24        | 19.68           | 19.50              | 19.74            | 21                  | 0        |  |
| 20               | QPSK       | 50      | 50        | 19.60           | 19.49              | 19.52            |                     |          |  |
| 20               | QPSK       | 100     | 0         | 19.71           | 19.80              | 19.75            |                     |          |  |
| 20               | 16QAM      | 1       | 0         | 19.71           | 19.67              | 19.74            |                     |          |  |
| 20               | 16QAM      | 1       | 49        | 19.75           | 19.45              | 19.51            | 21                  | 0        |  |
| 20               | 16QAM      | 1       | 99        | 19.60           | 19.89              | 19.60            |                     |          |  |
| 20               | 16QAM      | 50      | 0         | 19.62           | 19.64              | 19.72            |                     |          |  |
| 20               | 16QAM      | 50      | 24        | 19.62           | 19.41              | 19.58            |                     |          |  |
| 20               | 16QAM      | 50      | 50        | 19.80           | 19.72              | 19.66            | 21                  | 0        |  |
| 20               | 16QAM      | 100     | 0         | 19.69           | 19.61              | 19.79            |                     |          |  |
| 20               | 64QAM      | 1       | 0         | 19.59           | 19.52              | 19.64            |                     |          |  |
| 20               | 64QAM      | 1       | 49        | 19.77           | 19.93              | 19.65            |                     |          |  |
| 20               | 64QAM      | 1       | 99        | 19.63           | 19.51              | 19.76            | 21                  | 0        |  |
| 20               | 64QAM      | 50      | 0         | 19.65           | 19.63              | 19.50            |                     |          |  |
| 20               | 64QAM      | 50      | 24        | 19.62           | 19.77              | 19.60            |                     |          |  |
| 20               | 64QAM      | 50      | 50        | 19.59           | 19.66              | 19.67            |                     |          |  |
| 20               | 64QAM      | 100     | 0         | 19.73           | 19.59              | 19.61            | 20                  | 1        |  |
| 20               | 256QAM     | 1       | 0         | 18.89           | 18.98              | 18.72            |                     |          |  |
| 20               | 256QAM     | 1       | 49        | 18.91           | 18.62              | 18.85            |                     |          |  |
| 20               | 256QAM     | 1       | 99        | 18.75           | 18.56              | 18.61            |                     |          |  |
| 20               | 256QAM     | 50      | 0         | 18.76           | 18.81              | 18.73            | 20                  | 1        |  |
| 20               | 256QAM     | 50      | 24        | 18.79           | 18.87              | 18.64            |                     |          |  |
| 20               | 256QAM     | 50      | 50        | 18.75           | 18.73              | 18.68            |                     |          |  |
| 20               | 256QAM     | 100     | 0         | 18.71           | 18.69              | 18.72            |                     |          |  |
| Channel          |            |         |           | 20825           | 21100              | 21375            | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2507.5          | 2535               | 2562.5           |                     |          |  |
| 15               | QPSK       | 1       | 0         | 19.71           | 19.90              | 19.65            | 21                  | 0        |  |
| 15               | QPSK       | 1       | 37        | 19.62           | 19.55              | 19.81            |                     |          |  |
| 15               | QPSK       | 1       | 74        | 19.66           | 19.50              | 19.56            |                     |          |  |
| 15               | QPSK       | 36      | 0         | 19.65           | 19.62              | 19.48            |                     |          |  |
| 15               | QPSK       | 36      | 20        | 19.65           | 19.32              | 19.66            | 21                  | 0        |  |
| 15               | QPSK       | 36      | 39        | 19.46           | 19.46              | 19.43            |                     |          |  |
| 15               | QPSK       | 75      | 0         | 19.62           | 19.86              | 19.75            |                     |          |  |
| 15               | 16QAM      | 1       | 0         | 19.71           | 19.55              | 19.76            |                     |          |  |
| 15               | 16QAM      | 1       | 37        | 19.59           | 19.41              | 19.34            | 21                  | 0        |  |
| 15               | 16QAM      | 1       | 74        | 19.60           | 19.68              | 19.41            |                     |          |  |
| 15               | 16QAM      | 36      | 0         | 19.61           | 19.59              | 19.58            |                     |          |  |
| 15               | 16QAM      | 36      | 20        | 19.53           | 19.41              | 19.41            |                     |          |  |
| 15               | 16QAM      | 36      | 39        | 19.71           | 19.53              | 19.58            | 21                  | 0        |  |
| 15               | 16QAM      | 75      | 0         | 19.56           | 19.40              | 19.69            |                     |          |  |
| 15               | 64QAM      | 1       | 0         | 18.57           | 18.49              | 18.52            |                     |          |  |
| 15               | 64QAM      | 1       | 37        | 19.65           | 19.72              | 19.55            |                     |          |  |
| 15               | 64QAM      | 1       | 74        | 19.58           | 19.49              | 19.61            | 21                  | 0        |  |
| 15               | 64QAM      | 36      | 0         | 19.52           | 19.41              | 19.34            |                     |          |  |
| 15               | 64QAM      | 36      | 20        | 19.44           | 19.61              | 19.49            |                     |          |  |
| 15               | 64QAM      | 36      | 39        | 19.46           | 19.56              | 19.65            |                     |          |  |
| 15               | 64QAM      | 75      | 0         | 19.68           | 19.42              | 19.44            | 20                  | 1        |  |
| 15               | 256QAM     | 1       | 0         | 18.69           | 18.80              | 18.65            |                     |          |  |
| 15               | 256QAM     | 1       | 37        | 18.83           | 18.53              | 18.73            |                     |          |  |
| 15               | 256QAM     | 1       | 74        | 18.72           | 18.49              | 18.57            |                     |          |  |
| 15               | 256QAM     | 36      | 0         | 18.57           | 18.72              | 18.66            | 20                  | 1        |  |
| 15               | 256QAM     | 36      | 20        | 18.74           | 18.87              | 18.56            |                     |          |  |
| 15               | 256QAM     | 36      | 39        | 18.73           | 18.69              | 18.58            |                     |          |  |
| 15               | 256QAM     | 75      | 0         | 18.55           | 18.56              | 18.58            |                     |          |  |
| Channel          |            |         |           | 20800           | 21100              | 21400            | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2505            | 2535               | 2565             |                     |          |  |
| 10               | QPSK       | 1       | 0         | 19.69           | 19.70              | 19.75            | 21                  | 0        |  |
| 10               | QPSK       | 1       | 25        | 19.66           | 19.63              | 19.63            |                     |          |  |
| 10               | QPSK       | 1       | 49        | 19.59           | 19.63              | 19.59            |                     |          |  |
| 10               | QPSK       | 25      | 0         | 19.55           | 19.64              | 19.47            |                     |          |  |
| 10               | QPSK       | 25      | 12        | 19.68           | 19.30              | 19.53            | 21                  | 0        |  |
| 10               | QPSK       | 25      | 25        | 19.54           | 19.40              | 19.54            |                     |          |  |
| 10               | QPSK       | 50      | 0         | 19.58           | 19.83              | 19.62            |                     |          |  |
| 10               | 16QAM      | 1       | 0         | 19.50           | 19.57              | 19.64            |                     |          |  |
| 10               | 16QAM      | 1       | 25        | 19.72           | 19.35              | 19.47            | 21                  | 0        |  |
| 10               | 16QAM      | 1       | 49        | 19.43           | 19.73              | 19.42            |                     |          |  |
| 10               | 16QAM      | 25      | 0         | 19.55           | 19.43              | 19.57            |                     |          |  |
| 10               | 16QAM      | 25      | 12        | 19.50           | 19.40              | 19.38            |                     |          |  |
| 10               | 16QAM      | 25      | 25        | 19.82           | 19.52              | 19.67            | 21                  | 0        |  |
| 10               | 16QAM      | 50      | 0         | 19.63           | 19.60              | 19.68            |                     |          |  |
| 10               | 64QAM      | 1       | 0         | 19.51           | 19.43              | 19.53            |                     |          |  |
| 10               | 64QAM      | 1       | 25        | 19.68           | 19.86              | 19.60            |                     |          |  |
| 10               | 64QAM      | 1       | 49        | 19.48           | 19.45              | 19.57            | 21                  | 0        |  |
| 10               | 64QAM      | 25      | 0         | 19.54           | 19.57              | 19.30            |                     |          |  |
| 10               | 64QAM      | 25      | 12        | 19.53           | 19.70              | 19.59            |                     |          |  |
| 10               | 64QAM      | 25      | 25        | 19.39           | 19.57              | 19.55            |                     |          |  |
| 10               | 64QAM      | 50      | 0         | 19.61           | 19.43              | 19.62            | 20                  | 1        |  |
| 10               | 256QAM     | 1       | 0         | 18.73           | 18.97              | 18.56            |                     |          |  |
| 10               | 256QAM     | 1       | 25        | 18.74           | 18.52              | 18.67            |                     |          |  |
| 10               | 256QAM     | 1       | 49        | 18.71           | 18.48              | 18.52            |                     |          |  |
| 10               | 256QAM     | 25      | 0         | 18.68           | 18.65              | 18.57            | 20                  | 1        |  |
| 10               | 256QAM     | 25      | 12        | 18.58           | 18.76              | 18.54            |                     |          |  |
| 10               | 256QAM     | 25      | 25        | 18.74           | 18.58              | 18.50            |                     |          |  |
| 10               | 256QAM     | 50      | 0         | 18.63           | 18.49              | 18.57            |                     |          |  |
| Channel          |            |         |           | 20775           | 21100              | 21425            | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2502.5          | 2535               | 2567.5           |                     |          |  |
| 5                | QPSK       | 1       | 0         | 19.58           | 19.70              | 19.75            | 21                  | 0        |  |
| 5                | QPSK       | 1       | 12        | 19.63           | 19.60              | 19.62            |                     |          |  |
| 5                | QPSK       | 1       | 24        | 19.75           | 19.43              | 19.71            |                     |          |  |
| 5                | QPSK       | 12      | 0         | 19.55           | 19.74              | 19.33            |                     |          |  |
| 5                | QPSK       | 12      | 7         | 19.64           | 19.28              | 19.52            | 21                  | 0        |  |
| 5                | QPSK       | 12      | 13        | 19.62           | 19.44              | 19.45            |                     |          |  |
| 5                | QPSK       | 25      | 0         | 19.71           | 19.79              | 19.72            |                     |          |  |
| 5                | 16QAM      | 1       | 0         | 19.52           | 19.68              | 19.73            |                     |          |  |
| 5                | 16QAM      | 1       | 12        | 19.65           | 19.25              | 19.49            | 21                  | 0        |  |
| 5                | 16QAM      | 1       | 24        | 19.57           | 19.75              | 19.45            |                     |          |  |
| 5                | 16QAM      | 12      | 0         | 19.44           | 19.52              | 19.55            |                     |          |  |
| 5                | 16QAM      | 12      | 7         | 19.52           | 19.39              | 19.38            |                     |          |  |
| 5                | 16QAM      | 12      | 13        | 19.64           | 19.66              | 19.46            | 21                  | 0        |  |
| 5                | 16QAM      | 25      | 0         | 19.59           | 19.54              | 19.79            |                     |          |  |
| 5                | 64QAM      | 1       | 0         | 19.46           | 19.42              | 19.55            |                     |          |  |
| 5                | 64QAM      | 1       | 12        | 19.69           | 19.84              | 19.43            |                     |          |  |
| 5                | 64QAM      | 1       | 24        | 19.55           | 19.40              | 19.70            | 21                  | 0        |  |
| 5                | 64QAM      | 12      | 0         | 19.49           | 19.55              | 19.49            |                     |          |  |
| 5                | 64QAM      | 12      | 7         | 19.51           | 19.72              | 19.58            |                     |          |  |
| 5                | 64QAM      | 12      | 13        | 19.42           | 19.51              | 19.55            |                     |          |  |
| 5                | 64QAM      | 25      | 0         | 19.60           | 19.54              | 19.45            | 20                  | 1        |  |
| 5                | 256QAM     | 1       | 0         | 18.81           | 18.89              | 18.70            |                     |          |  |
| 5                | 256QAM     | 1       | 12        | 18.74           | 18.46              | 18.82            |                     |          |  |
| 5                | 256QAM     | 1       | 24        | 18.73           | 18.41              | 18.47            |                     |          |  |
| 5                | 256QAM     | 12      | 0         | 18.58           | 18.70              | 18.71            | 20                  | 1        |  |
| 5                | 256QAM     | 12      | 7         | 18.73           | 18.86              | 18.55            |                     |          |  |
| 5                | 256QAM     | 12      | 13        | 18.54           | 18.65              | 18.68            |                     |          |  |
| 5                | 256QAM     | 25      | 0         | 18.57           | 18.50              | 18.72            |                     |          |  |

| Band 7 Ant2 DSI0 |            |         |           |                            |                               |                             |                     |          |  |
|------------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | F <sub>max</sub> Low Ch. / | F <sub>max</sub> Middle Ch. / | F <sub>max</sub> High Ch. / | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 20850                      | 21100                         | 21350                       | 19                  | 0        |  |
| Frequency (MHz)  |            |         |           | 2510                       | 2535                          | 2560                        |                     |          |  |
| 20               | QPSK       | 1       | 0         | 17.17                      | 17.31                         | 17.01                       | 19                  | 0        |  |
| 20               | QPSK       | 1       | 49        | 17.03                      | 17.04                         | 17.11                       |                     |          |  |
| 20               | QPSK       | 1       | 99        | 17.05                      | 17.15                         | 17.09                       |                     |          |  |
| 20               | QPSK       | 50      | 0         | 17.12                      | 17.30                         | 17.01                       |                     |          |  |
| 20               | QPSK       | 50      | 24        | 17.19                      | 17.16                         | 17.11                       |                     |          |  |
| 20               | QPSK       | 50      | 50        | 17.16                      | 17.13                         | 17.17                       |                     |          |  |
| 20               | QPSK       | 100     | 0         | 17.14                      | 17.29                         | 17.01                       | 19                  | 0        |  |
| 20               | 16QAM      | 1       | 0         | 17.28                      | 17.22                         | 17.03                       |                     |          |  |
| 20               | 16QAM      | 1       | 49        | 17.26                      | 17.15                         | 17.02                       |                     |          |  |
| 20               | 16QAM      | 1       | 99        | 17.11                      | 17.15                         | 17.00                       |                     |          |  |
| 20               | 16QAM      | 50      | 0         | 17.01                      | 17.25                         | 17.09                       |                     |          |  |
| 20               | 16QAM      | 50      | 24        | 17.08                      | 17.10                         | 17.23                       |                     |          |  |
| 20               | 16QAM      | 50      | 50        | 17.10                      | 17.22                         | 17.11                       | 19                  | 0        |  |
| 20               | 16QAM      | 100     | 0         | 17.03                      | 17.28                         | 17.10                       |                     |          |  |
| 20               | 64QAM      | 1       | 0         | 17.15                      | 17.00                         | 17.26                       |                     |          |  |
| 20               | 64QAM      | 1       | 49        | 17.22                      | 17.07                         | 17.12                       |                     |          |  |
| 20               | 64QAM      | 1       | 99        | 17.17                      | 17.00                         | 17.22                       |                     |          |  |
| 20               | 64QAM      | 50      | 0         | 17.02                      | 17.13                         | 17.07                       |                     |          |  |
| 20               | 64QAM      | 50      | 24        | 17.05                      | 17.17                         | 17.12                       | 19                  | 0        |  |
| 20               | 64QAM      | 50      | 50        | 17.01                      | 17.06                         | 17.08                       |                     |          |  |
| 20               | 64QAM      | 100     | 0         | 17.29                      | 17.07                         | 17.09                       |                     |          |  |
| 20               | 256QAM     | 1       | 0         | 17.07                      | 17.11                         | 17.06                       |                     |          |  |
| 20               | 256QAM     | 1       | 49        | 17.18                      | 17.29                         | 17.05                       |                     |          |  |
| 20               | 256QAM     | 1       | 99        | 17.05                      | 17.10                         | 17.00                       |                     |          |  |
| 20               | 256QAM     | 50      | 0         | 17.19                      | 17.12                         | 17.08                       | 19                  | 0        |  |
| 20               | 256QAM     | 50      | 24        | 17.08                      | 17.09                         | 17.29                       |                     |          |  |
| 20               | 256QAM     | 50      | 50        | 17.18                      | 17.10                         | 17.12                       |                     |          |  |
| 20               | 256QAM     | 100     | 0         | 17.25                      | 17.21                         | 17.11                       |                     |          |  |
| Channel          |            |         |           | 20825                      | 21100                         | 21375                       | 19                  | 0        |  |
| Frequency (MHz)  |            |         |           | 2507.5                     | 2535                          | 2562.5                      |                     |          |  |
| 15               | QPSK       | 1       | 0         | 17.03                      | 17.24                         | 17.16                       | 19                  | 0        |  |
| 15               | QPSK       | 1       | 37        | 17.30                      | 17.08                         | 17.05                       |                     |          |  |
| 15               | QPSK       | 1       | 74        | 17.01                      | 17.09                         | 17.08                       |                     |          |  |
| 15               | QPSK       | 36      | 0         | 17.00                      | 17.07                         | 17.13                       |                     |          |  |
| 15               | QPSK       | 36      | 20        | 17.16                      | 17.13                         | 17.12                       |                     |          |  |
| 15               | QPSK       | 36      | 39        | 17.09                      | 17.09                         | 17.00                       |                     |          |  |
| 15               | QPSK       | 75      | 0         | 17.13                      | 17.18                         | 17.15                       | 19                  | 0        |  |
| 15               | 16QAM      | 1       | 0         | 17.19                      | 17.17                         | 17.29                       |                     |          |  |
| 15               | 16QAM      | 1       | 37        | 17.14                      | 17.08                         | 17.21                       |                     |          |  |
| 15               | 16QAM      | 1       | 74        | 17.05                      | 17.08                         | 17.27                       |                     |          |  |
| 15               | 16QAM      | 36      | 0         | 17.22                      | 17.25                         | 17.29                       |                     |          |  |
| 15               | 16QAM      | 36      | 20        | 17.03                      | 17.06                         | 17.20                       |                     |          |  |
| 15               | 16QAM      | 36      | 39        | 17.14                      | 17.15                         | 17.08                       | 19                  | 0        |  |
| 15               | 16QAM      | 75      | 0         | 17.13                      | 17.23                         | 17.10                       |                     |          |  |
| 15               | 64QAM      | 1       | 0         | 17.14                      | 17.21                         | 17.26                       |                     |          |  |
| 15               | 64QAM      | 1       | 37        | 17.05                      | 17.08                         | 17.00                       |                     |          |  |
| 15               | 64QAM      | 1       | 74        | 17.17                      | 17.13                         | 17.06                       |                     |          |  |
| 15               | 64QAM      | 36      | 0         | 17.18                      | 17.03                         | 17.07                       |                     |          |  |
| 15               | 64QAM      | 36      | 20        | 17.05                      | 17.11                         | 17.11                       | 19                  | 0        |  |
| 15               | 64QAM      | 36      | 39        | 17.16                      | 17.14                         | 17.09                       |                     |          |  |
| 15               | 64QAM      | 75      | 0         | 17.21                      | 17.08                         | 17.18                       |                     |          |  |
| 15               | 256QAM     | 1       | 0         | 17.05                      | 17.12                         | 17.22                       |                     |          |  |
| 15               | 256QAM     | 1       | 37        | 17.20                      | 17.12                         | 17.29                       |                     |          |  |
| 15               | 256QAM     | 1       | 74        | 17.04                      | 17.18                         | 17.00                       |                     |          |  |
| 15               | 256QAM     | 36      | 0         | 17.03                      | 17.09                         | 17.12                       | 19                  | 0        |  |
| 15               | 256QAM     | 36      | 20        | 17.01                      | 17.10                         | 17.13                       |                     |          |  |
| 15               | 256QAM     | 36      | 39        | 17.19                      | 17.03                         | 17.00                       |                     |          |  |
| 15               | 256QAM     | 75      | 0         | 17.15                      | 17.00                         | 17.05                       |                     |          |  |
| Channel          |            |         |           | 20800                      | 21100                         | 21400                       | 19                  | 0        |  |
| Frequency (MHz)  |            |         |           | 2505                       | 2535                          | 2565                        |                     |          |  |
| 10               | QPSK       | 1       | 0         | 17.17                      | 17.15                         | 17.25                       | 19                  | 0        |  |
| 10               | QPSK       | 1       | 25        | 17.00                      | 17.16                         | 17.17                       |                     |          |  |
| 10               | QPSK       | 1       | 49        | 17.26                      | 17.13                         | 17.08                       |                     |          |  |
| 10               | QPSK       | 25      | 0         | 17.08                      | 17.16                         | 17.16                       |                     |          |  |
| 10               | QPSK       | 25      | 12        | 17.08                      | 17.10                         | 17.08                       |                     |          |  |
| 10               | QPSK       | 25      | 25        | 17.22                      | 17.14                         | 17.05                       |                     |          |  |
| 10               | QPSK       | 50      | 0         | 17.18                      | 17.11                         | 17.21                       | 19                  | 0        |  |
| 10               | 16QAM      | 1       | 0         | 17.10                      | 17.21                         | 17.06                       |                     |          |  |
| 10               | 16QAM      | 1       | 25        | 17.07                      | 17.07                         | 17.01                       |                     |          |  |
| 10               | 16QAM      | 1       | 49        | 17.11                      | 17.08                         | 17.20                       |                     |          |  |
| 10               | 16QAM      | 25      | 0         | 17.06                      | 17.07                         | 17.29                       |                     |          |  |
| 10               | 16QAM      | 25      | 12        | 17.01                      | 17.25                         | 17.01                       |                     |          |  |
| 10               | 16QAM      | 25      | 25        | 17.08                      | 17.14                         | 17.29                       | 19                  | 0        |  |
| 10               | 16QAM      | 50      | 0         | 17.11                      | 17.13                         | 17.16                       |                     |          |  |
| 10               | 64QAM      | 1       | 0         | 17.06                      | 17.26                         | 17.15                       |                     |          |  |
| 10               | 64QAM      | 1       | 25        | 17.24                      | 17.02                         | 17.10                       |                     |          |  |
| 10               | 64QAM      | 1       | 49        | 17.07                      | 17.25                         | 17.04                       |                     |          |  |
| 10               | 64QAM      | 25      | 0         | 17.02                      | 17.03                         | 17.08                       |                     |          |  |
| 10               | 64QAM      | 25      | 12        | 17.07                      | 17.12                         | 17.03                       | 19                  | 0        |  |
| 10               | 64QAM      | 25      | 25        | 17.11                      | 17.05                         | 17.10                       |                     |          |  |
| 10               | 64QAM      | 50      | 0         | 17.24                      | 17.22                         | 17.01                       |                     |          |  |
| 10               | 256QAM     | 1       | 0         | 17.08                      | 17.09                         | 17.26                       |                     |          |  |
| 10               | 256QAM     | 1       | 25        | 17.10                      | 17.14                         | 17.28                       |                     |          |  |
| 10               | 256QAM     | 1       | 49        | 17.29                      | 17.04                         | 17.25                       |                     |          |  |
| 10               | 256QAM     | 25      | 0         | 17.16                      | 17.13                         | 17.07                       | 19                  | 0        |  |
| 10               | 256QAM     | 25      | 12        | 17.09                      | 17.01                         | 17.15                       |                     |          |  |
| 10               | 256QAM     | 25      | 25        | 17.17                      | 17.19                         | 17.13                       |                     |          |  |
| 10               | 256QAM     | 50      | 0         | 17.25                      | 17.05                         | 17.07                       |                     |          |  |
| Channel          |            |         |           | 20775                      | 21100                         | 21425                       | 19                  | 0        |  |
| Frequency (MHz)  |            |         |           | 2502.5                     | 2535                          | 2567.5                      |                     |          |  |
| 5                | QPSK       | 1       | 0         | 17.16                      | 17.26                         | 17.21                       | 19                  | 0        |  |
| 5                | QPSK       | 1       | 12        | 17.09                      | 17.19                         | 17.09                       |                     |          |  |
| 5                | QPSK       | 1       | 24        | 17.01                      | 17.09                         | 17.11                       |                     |          |  |
| 5                | QPSK       | 12      | 0         | 17.16                      | 17.01                         | 17.09                       |                     |          |  |
| 5                | QPSK       | 12      | 7         | 17.05                      | 17.11                         | 17.21                       |                     |          |  |
| 5                | QPSK       | 12      | 13        | 17.09                      | 17.07                         | 17.04                       |                     |          |  |
| 5                | QPSK       | 25      | 0         | 17.09                      | 17.23                         | 17.29                       | 19                  | 0        |  |
| 5                | 16QAM      | 1       | 0         | 17.09                      | 17.23                         | 17.00                       |                     |          |  |
| 5                | 16QAM      | 1       | 12        | 17.10                      | 17.23                         | 17.14                       |                     |          |  |
| 5                | 16QAM      | 1       | 24        | 17.23                      | 17.11                         | 17.17                       |                     |          |  |
| 5                | 16QAM      | 12      | 0         | 17.21                      | 17.26                         | 17.22                       |                     |          |  |
| 5                | 16QAM      | 12      | 7         | 17.03                      | 17.02                         | 17.08                       |                     |          |  |
| 5                | 16QAM      | 12      | 13        | 17.00                      | 17.15                         | 17.13                       | 19                  | 0        |  |
| 5                | 16QAM      | 25      | 0         | 17.16                      | 17.06                         | 17.29                       |                     |          |  |
| 5                | 64QAM      | 1       | 0         | 17.01                      | 17.29                         | 17.10                       |                     |          |  |
| 5                | 64QAM      | 1       | 12        | 17.17                      | 17.05                         | 17.02                       |                     |          |  |
| 5                | 64QAM      | 1       | 24        | 17.02                      | 17.02                         | 17.22                       |                     |          |  |
| 5                | 64QAM      | 12      | 0         | 17.28                      | 17.08                         | 17.16                       |                     |          |  |
| 5                | 64QAM      | 12      | 7         | 17.26                      | 17.18                         | 17.08                       | 19                  | 0        |  |
| 5                | 64QAM      | 12      | 13        | 17.03                      | 17.05                         | 17.21                       |                     |          |  |
| 5                | 64QAM      | 25      | 0         | 17.26                      | 17.06                         | 17.01                       |                     |          |  |
| 5                | 256QAM     | 1       | 0         | 17.21                      | 17.15                         | 17.15                       |                     |          |  |
| 5                | 256QAM     | 1       | 12        | 17.17                      | 17.09                         | 17.27                       |                     |          |  |
| 5                | 256QAM     | 1       | 24        | 17.01                      | 17.11                         | 17.10                       |                     |          |  |
| 5                | 256QAM     | 12      | 0         | 17.01                      | 17.07                         | 17.06                       | 19                  | 0        |  |
| 5                | 256QAM     | 12      | 7         | 17.13                      | 17.10                         | 17.18                       |                     |          |  |
| 5                | 256QAM     | 12      | 13        | 17.06                      | 17.09                         | 17.22                       |                     |          |  |
| 5                | 256QAM     | 25      | 0         | 17.12                      | 17.17                         | 17.07                       |                     |          |  |

| Band 7 Ant5 Default |            |         |           |                 |                    |                  |                     |          |  |
|---------------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / | Power Middle Ch. / | Power High Ch. / | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 20850           | 21100              | 21350            | 25.5                | 0        |  |
| Frequency (MHz)     |            |         |           | 2510            | 2535               | 2560             |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 23.89           | 23.93              | 23.78            | 24.5                | 1        |  |
| 20                  | QPSK       | 1       | 49        | 23.82           | 23.91              | 23.72            |                     |          |  |
| 20                  | QPSK       | 1       | 99        | 23.75           | 23.85              | 23.79            |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 23.43           | 23.44              | 23.34            | 24.5                | 1        |  |
| 20                  | QPSK       | 50      | 24        | 23.28           | 23.39              | 23.32            |                     |          |  |
| 20                  | QPSK       | 50      | 50        | 23.20           | 23.24              | 23.13            |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 23.35           | 23.37              | 23.33            | 24.5                | 1        |  |
| 20                  | 16QAM      | 1       | 0         | 22.86           | 22.98              | 22.92            |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 22.83           | 22.89              | 22.85            |                     |          |  |
| 20                  | 16QAM      | 1       | 99        | 22.91           | 22.92              | 22.86            | 23.5                | 2        |  |
| 20                  | 16QAM      | 50      | 0         | 22.36           | 22.44              | 22.37            |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 22.36           | 22.40              | 22.35            |                     |          |  |
| 20                  | 16QAM      | 50      | 50        | 22.22           | 22.33              | 22.31            | 23.5                | 2        |  |
| 20                  | 16QAM      | 100     | 0         | 22.44           | 22.46              | 22.45            |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 21.90           | 21.93              | 21.86            |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 21.86           | 21.87              | 21.78            | 22.5                | 3        |  |
| 20                  | 64QAM      | 1       | 99        | 21.77           | 21.82              | 21.82            |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 21.31           | 21.42              | 21.41            |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 21.31           | 21.32              | 21.31            | 20.5                | 5        |  |
| 20                  | 64QAM      | 50      | 50        | 21.33           | 21.38              | 21.33            |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 21.40           | 21.40              | 21.33            |                     |          |  |
| 20                  | 256QAM     | 1       | 0         | 19.26           | 19.26              | 19.19            | 20.5                | 5        |  |
| 20                  | 256QAM     | 1       | 49        | 19.08           | 19.17              | 19.10            |                     |          |  |
| 20                  | 256QAM     | 1       | 99        | 19.26           | 19.32              | 19.21            |                     |          |  |
| 20                  | 256QAM     | 50      | 0         | 19.38           | 19.38              | 19.31            | 20.5                | 5        |  |
| 20                  | 256QAM     | 50      | 24        | 19.15           | 19.24              | 19.21            |                     |          |  |
| 20                  | 256QAM     | 50      | 50        | 19.29           | 19.35              | 19.30            |                     |          |  |
| 20                  | 256QAM     | 100     | 0         | 19.18           | 19.29              | 19.13            | 25.5                | 0        |  |
| Channel             |            |         |           | 20825           | 21100              | 21375            |                     |          |  |
| Frequency (MHz)     |            |         |           | 2507.5          | 2535               | 2562.5           | 24.5                | 1        |  |
| 15                  | QPSK       | 1       | 0         | 23.87           | 23.91              | 23.67            |                     |          |  |
| 15                  | QPSK       | 1       | 37        | 23.70           | 23.85              | 23.65            |                     |          |  |
| 15                  | QPSK       | 1       | 74        | 23.74           | 23.79              | 23.77            | 24.5                | 1        |  |
| 15                  | QPSK       | 36      | 0         | 23.41           | 23.32              | 23.31            |                     |          |  |
| 15                  | QPSK       | 36      | 20        | 23.25           | 23.38              | 23.24            |                     |          |  |
| 15                  | QPSK       | 36      | 39        | 23.18           | 23.12              | 23.13            | 24.5                | 1        |  |
| 15                  | QPSK       | 75      | 0         | 23.25           | 23.35              | 23.32            |                     |          |  |
| 15                  | 16QAM      | 1       | 0         | 22.79           | 22.94              | 22.90            |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 22.79           | 22.86              | 22.73            | 23.5                | 2        |  |
| 15                  | 16QAM      | 1       | 74        | 22.87           | 22.86              | 22.86            |                     |          |  |
| 15                  | 16QAM      | 36      | 0         | 22.34           | 22.36              | 22.26            |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 22.28           | 22.38              | 22.33            | 23.5                | 2        |  |
| 15                  | 16QAM      | 36      | 39        | 22.21           | 22.27              | 22.29            |                     |          |  |
| 15                  | 16QAM      | 75      | 0         | 22.41           | 22.38              | 22.41            |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 21.88           | 21.86              | 21.75            | 22.5                | 3        |  |
| 15                  | 64QAM      | 1       | 37        | 21.76           | 21.79              | 21.70            |                     |          |  |
| 15                  | 64QAM      | 1       | 74        | 21.73           | 21.77              | 21.80            |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 21.21           | 21.41              | 21.38            | 20.5                | 5        |  |
| 15                  | 64QAM      | 36      | 20        | 21.28           | 21.25              | 21.21            |                     |          |  |
| 15                  | 64QAM      | 36      | 39        | 21.25           | 21.30              | 21.28            |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 21.33           | 21.38              | 21.30            | 20.5                | 5        |  |
| 15                  | 256QAM     | 1       | 0         | 19.16           | 19.19              | 19.14            |                     |          |  |
| 15                  | 256QAM     | 1       | 37        | 18.96           | 19.15              | 19.10            |                     |          |  |
| 15                  | 256QAM     | 1       | 74        | 19.25           | 19.28              | 19.09            | 20.5                | 5        |  |
| 15                  | 256QAM     | 36      | 0         | 19.32           | 19.34              | 19.27            |                     |          |  |
| 15                  | 256QAM     | 36      | 20        | 19.11           | 19.19              | 19.10            |                     |          |  |
| 15                  | 256QAM     | 36      | 39        | 19.20           | 19.24              | 19.21            | 25.5                | 0        |  |
| 15                  | 256QAM     | 75      | 0         | 19.06           | 19.18              | 19.03            |                     |          |  |
| Channel             |            |         |           | 20800           | 21100              | 21400            | 25.5                | 0        |  |
| Frequency (MHz)     |            |         |           | 2505            | 2535               | 2565             |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 23.79           | 23.84              | 23.73            | 24.5                | 1        |  |
| 10                  | QPSK       | 1       | 25        | 23.73           | 23.82              | 23.64            |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 23.68           | 23.81              | 23.67            |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 23.40           | 23.40              | 23.32            | 24.5                | 1        |  |
| 10                  | QPSK       | 25      | 12        | 23.23           | 23.36              | 23.21            |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 23.08           | 23.18              | 23.07            |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 23.35           | 23.33              | 23.29            | 24.5                | 1        |  |
| 10                  | 16QAM      | 1       | 0         | 22.76           | 22.97              | 22.90            |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 22.75           | 22.81              | 22.75            |                     |          |  |
| 10                  | 16QAM      | 1       | 49        | 22.81           | 22.91              | 22.78            | 23.5                | 2        |  |
| 10                  | 16QAM      | 25      | 0         | 22.29           | 22.35              | 22.31            |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 22.24           | 22.30              | 22.25            |                     |          |  |
| 10                  | 16QAM      | 25      | 25        | 22.12           | 22.26              | 22.29            | 23.5                | 2        |  |
| 10                  | 16QAM      | 50      | 0         | 22.39           | 22.43              | 22.36            |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 21.89           | 21.83              | 21.78            |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 21.83           | 21.77              | 21.72            | 22.5                | 3        |  |
| 10                  | 64QAM      | 1       | 49        | 21.69           | 21.73              | 21.81            |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 21.26           | 21.35              | 21.40            |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 21.28           | 21.23              | 21.22            | 20.5                | 5        |  |
| 10                  | 64QAM      | 25      | 25        | 21.22           | 21.33              | 21.22            |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 21.38           | 21.33              | 21.29            |                     |          |  |
| 10                  | 256QAM     | 1       | 0         | 19.26           | 19.14              | 19.13            | 20.5                | 5        |  |
| 10                  | 256QAM     | 1       | 25        | 18.98           | 19.12              | 19.07            |                     |          |  |
| 10                  | 256QAM     | 1       | 49        | 19.21           | 19.22              | 19.17            |                     |          |  |
| 10                  | 256QAM     | 25      | 0         | 19.36           | 19.31              | 19.24            | 20.5                | 5        |  |
| 10                  | 256QAM     | 25      | 12        | 19.12           | 19.23              | 19.19            |                     |          |  |
| 10                  | 256QAM     | 25      | 25        | 19.28           | 19.23              | 19.28            |                     |          |  |
| 10                  | 256QAM     | 50      | 0         | 19.08           | 19.19              | 19.09            | 25.5                | 0        |  |
| Channel             |            |         |           | 20775           | 21100              | 21425            |                     |          |  |
| Frequency (MHz)     |            |         |           | 2502.5          | 2535               | 2567.5           | 24.5                | 1        |  |
| 5                   | QPSK       | 1       | 0         | 23.82           | 23.82              | 23.73            |                     |          |  |
| 5                   | QPSK       | 1       | 12        | 23.70           | 23.90              | 23.60            |                     |          |  |
| 5                   | QPSK       | 1       | 24        | 23.74           | 23.75              | 23.71            | 24.5                | 1        |  |
| 5                   | QPSK       | 12      | 0         | 23.31           | 23.41              | 23.25            |                     |          |  |
| 5                   | QPSK       | 12      | 7         | 23.23           | 23.37              | 23.24            |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 23.10           | 23.14              | 23.06            | 24.5                | 1        |  |
| 5                   | QPSK       | 25      | 0         | 23.24           | 23.30              | 23.28            |                     |          |  |
| 5                   | 16QAM      | 1       | 0         | 22.82           | 22.95              | 22.90            |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 22.72           | 22.87              | 22.84            | 23.5                | 2        |  |
| 5                   | 16QAM      | 1       | 24        | 22.90           | 22.82              | 22.76            |                     |          |  |
| 5                   | 16QAM      | 12      | 0         | 22.32           | 22.38              | 22.26            |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 22.25           | 22.39              | 22.33            | 22.5                | 3        |  |
| 5                   | 16QAM      | 12      | 13        | 22.14           | 22.22              | 22.20            |                     |          |  |
| 5                   | 16QAM      | 25      | 0         | 22.37           | 22.44              | 22.39            |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 21.83           | 21.93              | 21.83            | 20.5                | 5        |  |
| 5                   | 64QAM      | 1       | 12        | 21.78           | 21.80              | 21.77            |                     |          |  |
| 5                   | 64QAM      | 1       | 24        | 21.68           | 21.80              | 21.79            |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 21.26           | 21.39              | 21.34            | 20.5                | 5        |  |
| 5                   | 64QAM      | 12      | 7         | 21.20           | 21.25              | 21.31            |                     |          |  |
| 5                   | 64QAM      | 12      | 13        | 21.31           | 21.36              | 21.30            |                     |          |  |
| 5                   | 256QAM     | 1       | 0         | 19.35           | 21.35              | 21.31            | 20.5                | 5        |  |
| 5                   | 256QAM     | 1       | 12        | 19.26           | 19.22              | 19.09            |                     |          |  |
| 5                   | 256QAM     | 1       | 24        | 19.08           | 19.06              | 19.02            |                     |          |  |
| 5                   | 256QAM     | 1       | 24        | 19.22           | 19.32              | 19.13            | 20.5                | 5        |  |
| 5                   | 256QAM     | 12      | 0         | 19.28           | 19.29              | 19.19            |                     |          |  |
| 5                   | 256QAM     | 12      | 7         | 19.04           | 19.15              | 19.10            |                     |          |  |
| 5                   | 256QAM     | 12      | 13        | 19.21           | 19.30              | 19.27            | 25.5                | 0        |  |
| 5                   | 256QAM     | 25      | 0         | 19.10           | 19.20              | 19.03            |                     |          |  |

## Reduced Power Mode for DSI 3\_Other PA

| Band 7 Ant0 Default |            |         |           |                 |                    |                  |                     |          |  |
|---------------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / | Power Middle Ch. / | Power High Ch. / | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 20850           | 21100              | 21350            | 24.5                | 0        |  |
| Frequency (MHz)     |            |         |           | 2510            | 2535               | 2560             |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 22.68           | 22.76              | 22.59            | 24.5                | 0        |  |
| 20                  | QPSK       | 1       | 49        | 22.75           | 22.74              | 22.70            |                     |          |  |
| 20                  | QPSK       | 1       | 99        | 22.65           | 22.68              | 22.65            |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 22.24           | 22.26              | 22.24            |                     |          |  |
| 20                  | QPSK       | 50      | 24        | 22.23           | 22.23              | 22.21            | 23.5                | 1        |  |
| 20                  | QPSK       | 50      | 50        | 22.05           | 22.08              | 22.05            |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 22.13           | 22.17              | 22.15            |                     |          |  |
| 20                  | 16QAM      | 1       | 0         | 21.83           | 21.82              | 21.78            |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 21.77           | 21.80              | 21.79            | 23.5                | 1        |  |
| 20                  | 16QAM      | 1       | 99        | 21.66           | 21.69              | 21.66            |                     |          |  |
| 20                  | 16QAM      | 50      | 0         | 21.26           | 21.31              | 21.32            |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 21.24           | 21.29              | 21.28            |                     |          |  |
| 20                  | 16QAM      | 50      | 50        | 21.06           | 21.09              | 21.06            | 22.5                | 2        |  |
| 20                  | 16QAM      | 100     | 0         | 21.21           | 21.25              | 21.28            |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 20.76           | 20.78              | 20.76            |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 20.77           | 20.77              | 20.78            |                     |          |  |
| 20                  | 64QAM      | 1       | 99        | 20.60           | 20.65              | 20.62            | 22.5                | 2        |  |
| 20                  | 64QAM      | 50      | 0         | 20.31           | 20.32              | 20.33            |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 20.25           | 20.27              | 20.25            |                     |          |  |
| 20                  | 64QAM      | 50      | 50        | 20.08           | 20.12              | 20.12            |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 20.20           | 20.23              | 20.18            | 21.5                | 3        |  |
| 20                  | 256QAM     | 1       | 0         | 18.07           | 18.08              | 18.08            |                     |          |  |
| 20                  | 256QAM     | 1       | 49        | 18.13           | 18.12              | 18.08            |                     |          |  |
| 20                  | 256QAM     | 1       | 99        | 18.04           | 18.03              | 17.98            |                     |          |  |
| 20                  | 256QAM     | 50      | 0         | 18.20           | 18.22              | 18.23            | 19.5                | 5        |  |
| 20                  | 256QAM     | 50      | 24        | 18.12           | 18.11              | 18.07            |                     |          |  |
| 20                  | 256QAM     | 50      | 50        | 18.06           | 18.06              | 18.06            |                     |          |  |
| 20                  | 256QAM     | 100     | 0         | 18.17           | 18.19              | 18.21            |                     |          |  |
| Channel             |            |         |           | 20825           | 21100              | 21375            | 24.5                | 0        |  |
| Frequency (MHz)     |            |         |           | 2507.5          | 2535               | 2562.5           |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 22.68           | 22.72              | 22.59            | 24.5                | 0        |  |
| 15                  | QPSK       | 1       | 37        | 22.71           | 22.63              | 22.64            |                     |          |  |
| 15                  | QPSK       | 1       | 74        | 22.59           | 22.67              | 22.58            |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 22.18           | 22.22              | 22.17            |                     |          |  |
| 15                  | QPSK       | 36      | 20        | 22.20           | 22.16              | 22.15            | 23.5                | 1        |  |
| 15                  | QPSK       | 36      | 39        | 22.06           | 21.99              | 21.96            |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 22.10           | 22.15              | 22.11            |                     |          |  |
| 15                  | 16QAM      | 1       | 0         | 21.84           | 21.74              | 21.70            |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 21.77           | 21.70              | 21.70            | 23.5                | 1        |  |
| 15                  | 16QAM      | 1       | 74        | 21.65           | 21.67              | 21.60            |                     |          |  |
| 15                  | 16QAM      | 36      | 0         | 21.17           | 21.26              | 21.29            |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 21.17           | 21.20              | 21.21            |                     |          |  |
| 15                  | 16QAM      | 36      | 39        | 20.97           | 21.07              | 21.05            | 22.5                | 2        |  |
| 15                  | 16QAM      | 75      | 0         | 21.19           | 21.15              | 21.22            |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 20.75           | 20.67              | 20.75            |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 20.77           | 20.75              | 20.70            |                     |          |  |
| 15                  | 64QAM      | 1       | 74        | 20.55           | 20.62              | 20.52            | 22.5                | 2        |  |
| 15                  | 64QAM      | 36      | 0         | 20.31           | 20.29              | 20.27            |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 20.20           | 20.24              | 20.26            |                     |          |  |
| 15                  | 64QAM      | 36      | 39        | 20.08           | 20.10              | 20.10            |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 20.21           | 20.17              | 20.16            | 21.5                | 3        |  |
| 15                  | 256QAM     | 1       | 0         | 18.08           | 17.98              | 17.98            |                     |          |  |
| 15                  | 256QAM     | 1       | 37        | 18.07           | 18.08              | 18.04            |                     |          |  |
| 15                  | 256QAM     | 1       | 74        | 18.05           | 17.93              | 17.97            |                     |          |  |
| 15                  | 256QAM     | 36      | 0         | 18.10           | 18.23              | 18.16            | 19.5                | 5        |  |
| 15                  | 256QAM     | 36      | 20        | 18.11           | 18.07              | 18.05            |                     |          |  |
| 15                  | 256QAM     | 36      | 39        | 17.98           | 18.03              | 17.97            |                     |          |  |
| 15                  | 256QAM     | 75      | 0         | 18.16           | 18.17              | 18.19            |                     |          |  |
| Channel             |            |         |           | 20800           | 21100              | 21400            | 24.5                | 0        |  |
| Frequency (MHz)     |            |         |           | 2505            | 2535               | 2565             |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 22.61           | 22.69              | 22.50            | 24.5                | 0        |  |
| 10                  | QPSK       | 1       | 25        | 22.67           | 22.73              | 22.66            |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 22.57           | 22.66              | 22.58            |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 22.14           | 22.23              | 22.25            |                     |          |  |
| 10                  | QPSK       | 25      | 12        | 22.18           | 22.14              | 22.15            | 23.5                | 1        |  |
| 10                  | QPSK       | 25      | 25        | 22.02           | 22.00              | 21.96            |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 22.10           | 22.09              | 22.13            |                     |          |  |
| 10                  | 16QAM      | 1       | 0         | 21.79           | 21.73              | 21.70            |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 21.77           | 21.73              | 21.68            | 23.5                | 1        |  |
| 10                  | 16QAM      | 1       | 49        | 21.55           | 21.61              | 21.63            |                     |          |  |
| 10                  | 16QAM      | 25      | 0         | 21.17           | 21.25              | 21.25            |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 21.19           | 21.20              | 21.26            |                     |          |  |
| 10                  | 16QAM      | 25      | 25        | 21.06           | 21.00              | 20.99            | 22.5                | 2        |  |
| 10                  | 16QAM      | 50      | 0         | 21.12           | 21.15              | 21.26            |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 20.68           | 20.78              | 20.68            |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 20.72           | 20.76              | 20.78            |                     |          |  |
| 10                  | 64QAM      | 1       | 49        | 20.52           | 20.63              | 20.53            | 22.5                | 2        |  |
| 10                  | 64QAM      | 25      | 0         | 20.24           | 20.33              | 20.25            |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 20.16           | 20.24              | 20.18            |                     |          |  |
| 10                  | 64QAM      | 25      | 25        | 20.03           | 20.03              | 20.12            |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 20.15           | 20.23              | 20.18            | 21.5                | 3        |  |
| 10                  | 256QAM     | 1       | 0         | 18.03           | 18.07              | 18.02            |                     |          |  |
| 10                  | 256QAM     | 1       | 25        | 18.04           | 18.07              | 18.07            |                     |          |  |
| 10                  | 256QAM     | 1       | 49        | 18.01           | 17.93              | 17.90            |                     |          |  |
| 10                  | 256QAM     | 25      | 0         | 18.18           | 18.19              | 18.13            | 19.5                | 5        |  |
| 10                  | 256QAM     | 25      | 12        | 18.03           | 18.02              | 18.03            |                     |          |  |
| 10                  | 256QAM     | 25      | 25        | 17.99           | 18.00              | 18.00            |                     |          |  |
| 10                  | 256QAM     | 50      | 0         | 18.16           | 18.12              | 18.11            |                     |          |  |
| Channel             |            |         |           | 20775           | 21100              | 21425            | 24.5                | 0        |  |
| Frequency (MHz)     |            |         |           | 2502.5          | 2535               | 2567.5           |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 22.68           | 22.66              | 22.56            | 24.5                | 0        |  |
| 5                   | QPSK       | 1       | 12        | 22.72           | 22.71              | 22.64            |                     |          |  |
| 5                   | QPSK       | 1       | 24        | 22.60           | 22.67              | 22.57            |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 22.14           | 22.15              | 22.17            |                     |          |  |
| 5                   | QPSK       | 12      | 7         | 22.14           | 22.24              | 22.22            | 23.5                | 1        |  |
| 5                   | QPSK       | 12      | 13        | 22.03           | 22.09              | 22.05            |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 22.05           | 22.16              | 22.09            |                     |          |  |
| 5                   | 16QAM      | 1       | 0         | 21.73           | 21.77              | 21.75            |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 21.78           | 21.80              | 21.77            | 23.5                | 1        |  |
| 5                   | 16QAM      | 1       | 24        | 21.62           | 21.58              | 21.58            |                     |          |  |
| 5                   | 16QAM      | 12      | 0         | 21.15           | 21.32              | 21.29            |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 21.24           | 21.19              | 21.21            |                     |          |  |
| 5                   | 16QAM      | 12      | 13        | 21.07           | 21.09              | 21.06            | 22.5                | 2        |  |
| 5                   | 16QAM      | 25      | 0         | 21.12           | 21.25              | 21.21            |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 20.68           | 20.68              | 20.69            |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 20.70           | 20.75              | 20.71            |                     |          |  |
| 5                   | 64QAM      | 1       | 24        | 20.50           | 20.56              | 20.60            | 22.5                | 2        |  |
| 5                   | 64QAM      | 12      | 0         | 20.23           | 20.23              | 20.29            |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 20.26           | 20.21              | 20.17            |                     |          |  |
| 5                   | 64QAM      | 12      | 13        | 20.02           | 20.12              | 20.02            |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 20.11           | 20.20              | 20.09            | 21.5                | 3        |  |
| 5                   | 256QAM     | 1       | 0         | 18.07           | 18.06              | 18.08            |                     |          |  |
| 5                   | 256QAM     | 1       | 12        | 18.05           | 18.04              | 18.01            |                     |          |  |
| 5                   | 256QAM     | 1       | 24        | 18.04           | 17.99              | 17.93            |                     |          |  |
| 5                   | 256QAM     | 12      | 0         | 18.19           | 18.13              | 18.16            | 19.5                | 5        |  |
| 5                   | 256QAM     | 12      | 7         | 18.09           | 18.01              | 18.05            |                     |          |  |
| 5                   | 256QAM     | 12      | 13        | 18.05           | 18.03              | 17.99            |                     |          |  |
| 5                   | 256QAM     | 25      | 0         | 18.13           | 18.12              | 18.14            |                     |          |  |

| Band 7 Ant1 Default |            |         |           |                 |                    |                  |                     |          |  |
|---------------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / | Power Middle Ch. / | Power High Ch. / | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 20850           | 21100              | 21350            | 25                  | 0        |  |
| Frequency (MHz)     |            |         |           | 2510            | 2535               | 2560             |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 23.79           | 23.84              | 23.72            | 24                  | 1        |  |
| 20                  | QPSK       | 1       | 49        | 23.71           | 23.78              | 23.68            |                     |          |  |
| 20                  | QPSK       | 1       | 99        | 23.72           | 23.74              | 23.72            |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 23.31           | 23.36              | 23.27            | 24                  | 1        |  |
| 20                  | QPSK       | 50      | 24        | 23.35           | 23.33              | 23.23            |                     |          |  |
| 20                  | QPSK       | 50      | 50        | 23.15           | 23.24              | 23.15            |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 23.23           | 23.28              | 23.26            | 24                  | 1        |  |
| 20                  | 16QAM      | 1       | 0         | 22.88           | 22.92              | 22.88            |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 22.89           | 22.97              | 22.95            |                     |          |  |
| 20                  | 16QAM      | 1       | 99        | 22.82           | 22.82              | 22.80            | 23                  | 2        |  |
| 20                  | 16QAM      | 50      | 0         | 22.34           | 22.35              | 22.29            |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 22.34           | 22.33              | 22.33            |                     |          |  |
| 20                  | 16QAM      | 50      | 50        | 22.14           | 22.23              | 22.18            | 23                  | 2        |  |
| 20                  | 16QAM      | 100     | 0         | 22.31           | 22.30              | 22.22            |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 21.78           | 21.87              | 21.86            |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 21.85           | 21.91              | 21.91            | 23                  | 2        |  |
| 20                  | 64QAM      | 1       | 99        | 21.77           | 21.78              | 21.78            |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 21.24           | 21.31              | 21.21            |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 21.35           | 21.39              | 21.34            | 22                  | 3        |  |
| 20                  | 64QAM      | 50      | 50        | 21.19           | 21.26              | 21.21            |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 21.29           | 21.31              | 21.33            |                     |          |  |
| 20                  | 256QAM     | 1       | 0         | 19.13           | 19.21              | 19.21            | 20                  | 5        |  |
| 20                  | 256QAM     | 1       | 49        | 19.23           | 19.26              | 19.17            |                     |          |  |
| 20                  | 256QAM     | 1       | 99        | 19.03           | 19.12              | 19.13            |                     |          |  |
| 20                  | 256QAM     | 50      | 0         | 19.22           | 19.31              | 19.24            | 20                  | 5        |  |
| 20                  | 256QAM     | 50      | 24        | 19.27           | 19.35              | 19.28            |                     |          |  |
| 20                  | 256QAM     | 50      | 50        | 19.18           | 19.19              | 19.15            |                     |          |  |
| 20                  | 256QAM     | 100     | 0         | 19.24           | 19.28              | 19.29            | 25                  | 0        |  |
| Channel             |            |         |           | 20825           | 21100              | 21375            |                     |          |  |
| Frequency (MHz)     |            |         |           | 2507.5          | 2535               | 2562.5           | 25                  | 0        |  |
| 15                  | QPSK       | 1       | 0         | 23.81           | 23.81              | 23.64            |                     |          |  |
| 15                  | QPSK       | 1       | 37        | 23.71           | 23.78              | 23.61            | 24                  | 1        |  |
| 15                  | QPSK       | 1       | 74        | 23.74           | 23.69              | 23.64            |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 23.23           | 23.27              | 23.17            |                     |          |  |
| 15                  | QPSK       | 36      | 20        | 23.26           | 23.32              | 23.16            | 24                  | 1        |  |
| 15                  | QPSK       | 36      | 39        | 23.05           | 23.24              | 23.06            |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 23.19           | 23.19              | 23.20            |                     |          |  |
| 15                  | 16QAM      | 1       | 0         | 22.86           | 22.86              | 22.84            | 24                  | 1        |  |
| 15                  | 16QAM      | 1       | 37        | 22.89           | 22.89              | 22.89            |                     |          |  |
| 15                  | 16QAM      | 1       | 74        | 22.78           | 22.78              | 22.72            |                     |          |  |
| 15                  | 16QAM      | 36      | 0         | 22.30           | 22.26              | 22.27            | 23                  | 2        |  |
| 15                  | 16QAM      | 36      | 20        | 22.27           | 22.33              | 22.32            |                     |          |  |
| 15                  | 16QAM      | 36      | 39        | 22.11           | 22.14              | 22.09            |                     |          |  |
| 15                  | 16QAM      | 75      | 0         | 22.25           | 22.24              | 22.17            | 23                  | 2        |  |
| 15                  | 64QAM      | 1       | 0         | 21.69           | 21.87              | 21.79            |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 21.80           | 21.92              | 21.91            |                     |          |  |
| 15                  | 64QAM      | 1       | 74        | 21.74           | 21.74              | 21.75            | 22                  | 3        |  |
| 15                  | 64QAM      | 36      | 0         | 21.20           | 21.29              | 21.19            |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 21.32           | 21.35              | 21.31            |                     |          |  |
| 15                  | 64QAM      | 36      | 39        | 21.17           | 21.18              | 21.20            | 20                  | 5        |  |
| 15                  | 64QAM      | 75      | 0         | 21.27           | 21.32              | 21.34            |                     |          |  |
| 15                  | 256QAM     | 1       | 0         | 19.12           | 19.17              | 19.22            |                     |          |  |
| 15                  | 256QAM     | 1       | 37        | 19.19           | 19.26              | 19.18            | 20                  | 5        |  |
| 15                  | 256QAM     | 1       | 74        | 19.00           | 19.09              | 19.09            |                     |          |  |
| 15                  | 256QAM     | 36      | 0         | 19.18           | 19.25              | 19.26            |                     |          |  |
| 15                  | 256QAM     | 36      | 20        | 19.17           | 19.35              | 19.28            | 20                  | 5        |  |
| 15                  | 256QAM     | 36      | 39        | 19.10           | 19.13              | 19.12            |                     |          |  |
| 15                  | 256QAM     | 75      | 0         | 19.14           | 19.19              | 19.30            |                     |          |  |
| Channel             |            |         |           | 20800           | 21100              | 21400            | 25                  | 0        |  |
| Frequency (MHz)     |            |         |           | 2505            | 2535               | 2565             |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 23.72           | 23.74              | 23.70            | 25                  | 0        |  |
| 10                  | QPSK       | 1       | 25        | 23.72           | 23.75              | 23.59            |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 23.64           | 23.75              | 23.67            |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 23.29           | 23.26              | 23.20            | 24                  | 1        |  |
| 10                  | QPSK       | 25      | 12        | 23.33           | 23.25              | 23.18            |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 23.12           | 23.15              | 23.13            |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 23.23           | 23.23              | 23.17            | 24                  | 1        |  |
| 10                  | 16QAM      | 1       | 0         | 22.79           | 22.93              | 22.78            |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 22.85           | 22.96              | 22.91            |                     |          |  |
| 10                  | 16QAM      | 1       | 49        | 22.75           | 22.80              | 22.73            | 23                  | 2        |  |
| 10                  | 16QAM      | 25      | 0         | 22.31           | 22.34              | 22.27            |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 22.31           | 22.26              | 22.33            |                     |          |  |
| 10                  | 16QAM      | 25      | 25        | 22.11           | 22.24              | 22.10            | 23                  | 2        |  |
| 10                  | 16QAM      | 50      | 0         | 22.31           | 22.22              | 22.23            |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 21.72           | 21.85              | 21.88            |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 21.83           | 21.83              | 21.93            | 23                  | 2        |  |
| 10                  | 64QAM      | 1       | 49        | 21.70           | 21.71              | 21.79            |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 21.22           | 21.31              | 21.15            |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 21.34           | 21.32              | 21.27            | 22                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 21.09           | 21.22              | 21.12            |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 21.26           | 21.33              | 21.33            |                     |          |  |
| 10                  | 256QAM     | 1       | 0         | 19.08           | 19.13              | 19.17            | 20                  | 5        |  |
| 10                  | 256QAM     | 1       | 25        | 19.22           | 19.24              | 19.08            |                     |          |  |
| 10                  | 256QAM     | 1       | 49        | 19.02           | 19.12              | 19.04            |                     |          |  |
| 10                  | 256QAM     | 25      | 0         | 19.15           | 19.23              | 19.15            | 20                  | 5        |  |
| 10                  | 256QAM     | 25      | 12        | 19.19           | 19.26              | 19.24            |                     |          |  |
| 10                  | 256QAM     | 25      | 25        | 19.17           | 19.10              | 19.05            |                     |          |  |
| 10                  | 256QAM     | 50      | 0         | 19.20           | 19.28              | 19.27            | 25                  | 0        |  |
| Channel             |            |         |           | 20775           | 21100              | 21425            |                     |          |  |
| Frequency (MHz)     |            |         |           | 2502.5          | 2535               | 2567.5           | 25                  | 0        |  |
| 5                   | QPSK       | 1       | 0         | 23.72           | 23.77              | 23.71            |                     |          |  |
| 5                   | QPSK       | 1       | 12        | 23.63           | 23.71              | 23.69            | 24                  | 1        |  |
| 5                   | QPSK       | 1       | 24        | 23.73           | 23.65              | 23.65            |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 23.30           | 23.27              | 23.27            |                     |          |  |
| 5                   | QPSK       | 12      | 7         | 23.26           | 23.31              | 23.23            | 24                  | 1        |  |
| 5                   | QPSK       | 12      | 13        | 23.06           | 23.19              | 23.10            |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 23.15           | 23.21              | 23.19            |                     |          |  |
| 5                   | 16QAM      | 1       | 0         | 22.87           | 22.90              | 22.88            | 24                  | 1        |  |
| 5                   | 16QAM      | 1       | 12        | 22.85           | 22.93              | 22.89            |                     |          |  |
| 5                   | 16QAM      | 1       | 24        | 22.82           | 22.75              | 22.76            |                     |          |  |
| 5                   | 16QAM      | 12      | 0         | 22.25           | 22.35              | 22.24            | 23                  | 2        |  |
| 5                   | 16QAM      | 12      | 7         | 22.29           | 22.27              | 22.32            |                     |          |  |
| 5                   | 16QAM      | 12      | 13        | 22.08           | 22.24              | 22.20            |                     |          |  |
| 5                   | 16QAM      | 25      | 0         | 22.24           | 22.29              | 22.19            | 23                  | 2        |  |
| 5                   | 64QAM      | 1       | 0         | 21.76           | 21.79              | 21.82            |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 21.84           | 21.82              | 21.85            |                     |          |  |
| 5                   | 64QAM      | 1       | 24        | 21.75           | 21.69              | 21.74            | 22                  | 3        |  |
| 5                   | 64QAM      | 12      | 0         | 21.22           | 21.26              | 21.15            |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 21.26           | 21.37              | 21.27            |                     |          |  |
| 5                   | 64QAM      | 12      | 13        | 21.16           | 21.21              | 21.18            | 20                  | 5        |  |
| 5                   | 64QAM      | 25      | 0         | 21.28           | 21.24              | 21.35            |                     |          |  |
| 5                   | 256QAM     | 1       | 0         | 19.15           | 19.21              | 19.12            |                     |          |  |
| 5                   | 256QAM     | 1       | 12        | 19.19           | 19.24              | 19.19            | 20                  | 5        |  |
| 5                   | 256QAM     | 1       | 24        | 19.05           | 19.12              | 19.10            |                     |          |  |
| 5                   | 256QAM     | 12      | 0         | 19.13           | 19.25              | 19.18            |                     |          |  |
| 5                   | 256QAM     | 12      | 7         | 19.18           | 19.36              | 19.19            | 20                  | 5        |  |
| 5                   | 256QAM     | 12      | 13        | 19.12           | 19.18              | 19.12            |                     |          |  |
| 5                   | 256QAM     | 25      | 0         | 19.24           | 19.21              | 19.30            |                     |          |  |















## Uplink CA Power

| Ant 0 Full Power                    |             |            | DS10&3  |           |         |           |                      |                     |  |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 7c                               |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 24.02                | 25.00               |  |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 24.16                | 25.00               |  |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 23.95                | 25.00               |  |

| Ant 0 Full Power                    |             | DSI0&3     |         |           |         |           |                      |                     |  |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 38C                              |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 37850                               | 38048       | QPSK       | 0       | 0         | 1       | 99        | 23.83                | 25.00               |  |
| 38000                               | 38198       | QPSK       | 1       | 0         | 1       | 99        | 24.03                | 25.00               |  |
| 38150                               | 37952       | QPSK       | 1       | 0         | 1       | 99        | 23.75                | 25.00               |  |

| Ant 0 Full Power                   |             | DSI0&3     |         |           |         |           |                      |                     |  |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 4A 7A                           |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 0         | 23.53                | 25.00               |  |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 23.62                | 25.00               |  |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 23.45                | 25.00               |  |

| Ant 1 Full Power                    |             | DSI3       |         |           |         |           |                      |                     |  |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 7c                               |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 22.36                | 24.00               |  |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 22.49                | 24.00               |  |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 22.47                | 24.00               |  |

| Ant 1 Full Power                    |             |            | DSI0&1&3&4 |           |         |           |                      |                     |  |
|-------------------------------------|-------------|------------|------------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 38C                              |             |            |            |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+100RB) |             |            |            |           |         |           |                      |                     |  |
| PCC Channel                         | SCC Channel | Modulation | PCC        |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                     |             |            | RB Size    | RB offset | RB Size | RB offset |                      |                     |  |
| 37850                               | 38048       | QPSK       | 0          | 0         | 1       | 99        | 22.76                | 24.00               |  |
| 38000                               | 38198       | QPSK       | 1          | 0         | 1       | 99        | 22.77                | 24.00               |  |
| 38150                               | 38348       | QPSK       | 1          | 0         | 1       | 99        | 22.67                | 24.00               |  |

| Ant 1 Full Power                   |             | DS13       |         |           |         |           |                      |                     |  |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 4A 7A                           |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 24        | 22.67                | 24.50               |  |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 22.72                | 24.50               |  |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 22.64                | 24.50               |  |

| Ant 2 Full Power                    |             | DSI3       |         |           |         |           |                      |                     |  |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 7c                               |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 22.46                | 24.00               |  |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 22.77                | 24.00               |  |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 22.56                | 24.00               |  |

| Ant 2 Full Power                    |             | DS13       |         |           |         |           |                      |                     |  |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 38C                              |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 37850                               | 38048       | QPSK       | 0       | 0         | 1       | 99        | 23.40                | 24.50               |  |
| 38000                               | 38198       | QPSK       | 1       | 0         | 1       | 99        | 23.48                | 24.50               |  |
| 38150                               | 37952       | QPSK       | 1       | 0         | 1       | 99        | 23.44                | 24.50               |  |

| Ant 2 Full Power                   |             | DS13       |         |           |         |           |                      |                     |  |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 4A 7A                           |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 24        | 23.40                | 25.00               |  |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 23.52                | 25.00               |  |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 23.46                | 25.00               |  |

| Ant 5 Full Power                    |             | DSI0       |         |           |         |           |                      |                     |  |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 7c                               |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 22.33                | 23.50               |  |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 22.43                | 23.50               |  |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 22.39                | 23.50               |  |

| Ant 5 Full Power                    |             | DS10       |         |           |         |           |                      |                     |  |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 38C                              |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |  |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 37850                               | 38048       | QPSK       | 0       | 0         | 1       | 99        | 22.60                | 24.00               |  |
| 38000                               | 38198       | QPSK       | 1       | 0         | 1       | 99        | 22.78                | 24.00               |  |
| 38150                               | 37952       | QPSK       | 1       | 0         | 1       | 99        | 22.76                | 24.00               |  |

| Ant 5 Full Power                   |             | DS10       |         |           |         |           |                      |                     |  |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|--|
| CA 4A 7A                           |             |            |         |           |         |           |                      |                     |  |
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                      |                     |  |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune Up Power (dBm) |  |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |  |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 24        | 22.52                | 24.00               |  |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 22.58                | 24.00               |  |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 22.54                | 24.00               |  |



Ant 0 Down Power DSI4

| CA 7c                               |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 20.08               |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 20.14               |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 19.94               |
| 20850                               | 21048       | QPSK       | 50      | 0         | 1       | 49        | 19.83               |
| 21100                               | 21298       | QPSK       | 50      | 0         | 1       | 49        | 19.95               |
| 21350                               | 21152       | QPSK       | 50      | 0         | 1       | 49        | 19.96               |

Ant 1 Down Power DSI0

| CA 7c                               |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 18.26               |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 18.43               |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 18.39               |

Ant 1 Down Power DSI4

| CA 7c                               |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 17.40               |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 17.50               |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 17.38               |
| 20850                               | 21048       | QPSK       | 50      | 0         | 1       | 49        | 17.28               |
| 21100                               | 21298       | QPSK       | 50      | 0         | 1       | 49        | 17.47               |
| 21350                               | 21152       | QPSK       | 50      | 0         | 1       | 49        | 17.43               |

Ant 2 Down Power DSI0&amp;4

| CA 7c                               |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 17.55               |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 17.77               |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 17.63               |
| 20850                               | 21048       | QPSK       | 50      | 0         | 1       | 49        | 17.56               |
| 21100                               | 21298       | QPSK       | 50      | 0         | 1       | 49        | 17.77               |
| 21350                               | 21152       | QPSK       | 50      | 0         | 1       | 49        | 17.59               |

Ant 5 Down Power DSI3

| CA 7c                               |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 19.21               |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 19.61               |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 19.37               |

Ant 5 Down Power DSI4

| CA 7c                               |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20850                               | 21048       | QPSK       | 0       | 0         | 1       | 99        | 18.27               |
| 21100                               | 21298       | QPSK       | 1       | 0         | 1       | 99        | 18.40               |
| 21350                               | 21152       | QPSK       | 1       | 0         | 1       | 99        | 18.19               |
| 20850                               | 21048       | QPSK       | 50      | 0         | 1       | 49        | 18.31               |
| 21100                               | 21298       | QPSK       | 50      | 0         | 1       | 49        | 18.31               |
| 21350                               | 21152       | QPSK       | 50      | 0         | 1       | 49        | 18.19               |

Ant 0 Down Power DSI4

| CA 38C                              |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 37850                               | 38048       | QPSK       | 0       | 0         | 1       | 99        | 21.99               |
| 38000                               | 38198       | QPSK       | 1       | 0         | 1       | 99        | 22.05               |
| 38150                               | 37952       | QPSK       | 1       | 0         | 1       | 99        | 21.93               |
| 37850                               | 38048       | QPSK       | 50      | 0         | 1       | 49        | 21.83               |
| 38000                               | 38198       | QPSK       | 50      | 0         | 1       | 49        | 21.96               |
| 38150                               | 37952       | QPSK       | 50      | 0         | 1       | 49        | 21.80               |

Ant 2 Down Power DSI0

| CA 38C                              |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 37850                               | 38048       | QPSK       | 0       | 0         | 1       | 99        | 20.24               |
| 38000                               | 38198       | QPSK       | 1       | 0         | 1       | 99        | 20.36               |
| 38150                               | 38348       | QPSK       | 1       | 0         | 1       | 99        | 20.30               |
| 37850                               | 38048       | QPSK       | 50      | 0         | 1       | 49        | 20.18               |
| 38000                               | 38198       | QPSK       | 50      | 0         | 1       | 49        | 20.20               |
| 38150                               | 38348       | QPSK       | 50      | 0         | 1       | 49        | 20.21               |

Ant 2 Down Power DSI4

| CA 38C                              |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 37850                               | 38048       | QPSK       | 0       | 0         | 1       | 99        | 19.16               |
| 38000                               | 38198       | QPSK       | 1       | 0         | 1       | 99        | 19.35               |
| 38150                               | 38348       | QPSK       | 1       | 0         | 1       | 99        | 19.26               |
| 37850                               | 38048       | QPSK       | 50      | 0         | 1       | 49        | 19.11               |
| 38000                               | 38198       | QPSK       | 50      | 0         | 1       | 49        | 19.26               |
| 38150                               | 38348       | QPSK       | 50      | 0         | 1       | 49        | 19.18               |

Ant 5 Down Power DSI3&amp;4

| CA 38C                              |             |            |         |           |         |           |                     |
|-------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+100RB) |             |            |         |           |         |           |                     |
| PCC Channel                         | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                     |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 37850                               | 38048       | QPSK       | 0       | 0         | 1       | 99        | 20.63               |
| 38000                               | 38198       | QPSK       | 1       | 0         | 1       | 99        | 20.85               |
| 38150                               | 37952       | QPSK       | 1       | 0         | 1       | 99        | 20.65               |
| 37850                               | 38048       | QPSK       | 50      | 0         | 1       | 49        | 20.66               |
| 38000                               | 38198       | QPSK       | 50      | 0         | 1       | 49        | 20.61               |
| 38150                               | 37952       | QPSK       | 50      | 0         | 1       | 49        | 20.54               |

Ant 0 Down Power DSI4

| CA 4A 7A                           |             |            |         |           |         |           |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 24        | 18.53               |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 18.69               |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 18.57               |

Ant 1 Down Power DSI0&amp;4

| CA 4A 7A                           |             |            |         |           |         |           |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 24        | 16.61               |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 16.90               |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 16.80               |

Ant 2 Down Power DSI0

| CA 4A 7A                           |             |            |         |           |         |           |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 24        | 20.42               |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 20.57               |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 20.40               |

Ant 2 Down Power DSI4

| CA 4A 7A                           |             |            |         |           |         |           |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 24        | 19.53               |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 19.72               |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 19.60               |

Ant 5 Down Power DSI3&amp;4

| CA 4A 7A                           |             |            |         |           |         |           |                     |
|------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------------|
| Combination 20MHz+20MHz (1RB+99RB) |             |            |         |           |         |           |                     |
| PCC Channel                        | SCC Channel | Modulation | PCC     |           | SCC     |           | Tune up Power (dBm) |
|                                    |             |            | RB Size | RB offset | RB Size | RB offset |                     |
| 20050                              | 20850       | QPSK       | 0       | 0         | 1       | 24        | 19.29               |
| 20175                              | 21100       | QPSK       | 0       | 0         | 1       | 24        | 19.52               |
| 20300                              | 21350       | QPSK       | 0       | 0         | 1       | 24        | 19.47               |

## Downlink CA Power

### 2CA DL

| Configure  | PCC     |      |             |                      |               |      |           |                    |                             | SCC     |             |                      |               |                             | Power              |                    |
|------------|---------|------|-------------|----------------------|---------------|------|-----------|--------------------|-----------------------------|---------|-------------|----------------------|---------------|-----------------------------|--------------------|--------------------|
|            | LTE     | Ant  | BW<br>(MHz) | UL<br>Freq.<br>(MHz) | UL<br>Channel | Mod. | UL#<br>RB | UL<br>RB<br>Offset | DL Antenna<br>Configuration | LTE     | BW<br>(MHz) | DL<br>Freq.<br>(MHz) | DL<br>Channel | DL Antenna<br>Configuration | With CA            | Without CA         |
|            | Band    |      |             |                      |               |      |           |                    |                             | Band    |             |                      |               |                             | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
|            |         |      |             |                      |               |      |           |                    |                             |         |             |                      |               |                             |                    |                    |
| CA_2C      | Band 2  | Ant0 | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  |                             | Band 2  | 20M         | 1979.8               | 1098          |                             | 24.01              | 24.05              |
|            | Band 2  | Ant2 | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  |                             | Band 2  | 20M         | 1979.8               | 1098          |                             | 23.38              | 23.58              |
| CA_5A_41A  | Band 5  | Ant0 | 10M         | 836.5                | 20525         | QPSK | 1         | 0                  |                             | Band 41 | 20M         | 2593                 | 40620         | 4x4MIMO                     | 24.50              | 24.54              |
|            | Band 5  | Ant1 | 10M         | 836.5                | 20525         | QPSK | 1         | 0                  |                             | Band 41 | 20M         | 2593                 | 40620         | 4x4MIMO                     | 24.09              | 24.22              |
|            | Band 41 | Ant0 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 5  | 10M         | 881.5                | 2525          |                             | 24.02              | 24.19              |
|            | Band 41 | Ant1 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 5  | 10M         | 881.5                | 2525          |                             | 22.80              | 22.94              |
|            | Band 41 | Ant2 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 5  | 10M         | 881.5                | 2525          |                             | 22.88              | 22.96              |
|            | Band 41 | Ant5 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 5  | 10M         | 881.5                | 2525          |                             | 22.67              | 22.79              |
| CA_7A-38A  | Band 7  | Ant0 | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 38 | 20M         | 2595                 | 38000         | 4x4MIMO                     | 23.96              | 24.15              |
|            | Band 7  | Ant1 | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 38 | 20M         | 2595                 | 38000         | 4x4MIMO                     | 22.49              | 22.66              |
|            | Band 7  | Ant2 | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 38 | 20M         | 2595                 | 38000         | 4x4MIMO                     | 22.74              | 22.78              |
|            | Band 7  | Ant5 | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 38 | 20M         | 2595                 | 38000         | 4x4MIMO                     | 22.41              | 22.54              |
|            | Band 38 | Ant0 | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 7  | 20M         | 2655                 | 3100          | 4x4MIMO                     | 23.99              | 24.08              |
|            | Band 38 | Ant1 | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 7  | 20M         | 2655                 | 3100          | 4x4MIMO                     | 22.82              | 22.94              |
|            | Band 38 | Ant2 | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 7  | 20M         | 2655                 | 3100          | 4x4MIMO                     | 23.49              | 23.57              |
|            | Band 38 | Ant5 | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 7  | 20M         | 2655                 | 3100          | 4x4MIMO                     | 22.75              | 22.86              |
|            | Band 38 | Ant0 | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 38 | 20M         | 2614.8               | 38198         | 4x4MIMO                     | 24.06              | 24.08              |
|            | Band 38 | Ant1 | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 38 | 20M         | 2614.8               | 38198         | 4x4MIMO                     | 22.89              | 22.94              |
| CA_38C     | Band 38 | Ant2 | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 38 | 20M         | 2614.8               | 38198         | 4x4MIMO                     | 23.37              | 23.57              |
|            | Band 38 | Ant5 | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 38 | 20M         | 2614.8               | 38198         | 4x4MIMO                     | 22.78              | 22.86              |
| CA_41C     | Band 41 | Ant0 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 41 | 20M         | 2612.8               | 40818         | 4x4MIMO                     | 24.03              | 24.19              |
|            | Band 41 | Ant1 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 41 | 20M         | 2612.8               | 40818         | 4x4MIMO                     | 22.86              | 22.94              |
|            | Band 41 | Ant2 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 41 | 20M         | 2612.8               | 40818         | 4x4MIMO                     | 22.75              | 22.96              |
|            | Band 41 | Ant5 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 41 | 20M         | 2612.8               | 40818         | 4x4MIMO                     | 22.60              | 22.78              |
| CA_41A-41A | Band 41 | Ant0 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 41 | 5M          | 2687.5               | 41565         | 4x4MIMO                     | 24.10              | 24.19              |
|            | Band 41 | Ant1 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 41 | 5M          | 2687.5               | 41565         | 4x4MIMO                     | 22.76              | 22.94              |
|            | Band 41 | Ant2 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 41 | 5M          | 2687.5               | 41565         | 4x4MIMO                     | 22.82              | 22.96              |
|            | Band 41 | Ant5 | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | 4x4MIMO                     | Band 41 | 5M          | 2687.5               | 41565         | 4x4MIMO                     | 22.74              | 22.79              |

## 3CA DL

| Configure   | PCC         |      |             |                |         |      |     |   |                    |                             | SCC1        |             |                |         |                             | SCC2        |             |                |         |                             | Power     |                    |                    |  |  |  |  |  |  |  |  |  |
|-------------|-------------|------|-------------|----------------|---------|------|-----|---|--------------------|-----------------------------|-------------|-------------|----------------|---------|-----------------------------|-------------|-------------|----------------|---------|-----------------------------|-----------|--------------------|--------------------|--|--|--|--|--|--|--|--|--|
|             | LTE<br>Band | Ant  | BW<br>(MHz) | UL             |         | Mod. | UL# |   | UL<br>RB<br>Offset | DL Antenna<br>Configuration | LTE<br>Band | BW<br>(MHz) | DL             |         | DL Antenna<br>Configuration | LTE<br>Band | BW<br>(MHz) | DL             |         | DL Antenna<br>Configuration | Tx. Power |                    |                    |  |  |  |  |  |  |  |  |  |
|             |             |      |             | Freq.<br>(MHz) | Channel |      | RB  |   |                    |                             |             |             | Freq.<br>(MHz) | Channel |                             |             |             | Freq.<br>(MHz) | Channel |                             |           | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |  |  |  |  |  |  |  |  |  |
|             |             |      |             |                |         |      |     |   |                    |                             |             |             |                |         |                             |             |             |                |         |                             |           |                    |                    |  |  |  |  |  |  |  |  |  |
| CA_2A-4A-5A | Band 2      | Ant0 | 20M         | 1880           | 18900   | QPSK | 1   | 0 |                    |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 23.96     | 24.05              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 2      | Ant2 | 20M         | 1880           | 18900   | QPSK | 1   | 0 |                    |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 23.53     | 23.58              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant0 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 5      | 10M         | 881.5          | 2525    |                             | Band 2      | 20M         | 1960           | 900     |                             | 23.66     | 23.76              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant1 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 5      | 10M         | 881.5          | 2525    |                             | Band 2      | 20M         | 1960           | 900     |                             | 22.88     | 22.9               |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant2 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 5      | 10M         | 881.5          | 2525    |                             | Band 2      | 20M         | 1960           | 900     |                             | 23.6      | 23.65              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant5 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 5      | 10M         | 881.5          | 2525    |                             | Band 2      | 20M         | 1960           | 900     |                             | 22.53     | 22.64              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 5      | Ant0 | 10M         | 836.5          | 20525   | QPSK | 1   | 0 |                    |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 24.48     | 24.54              |                    |  |  |  |  |  |  |  |  |  |
| CA_2A_4A_7A | Band 5      | Ant1 | 10M         | 836.5          | 20525   | QPSK | 1   | 0 |                    |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 24.14     | 24.22              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 2      | Ant0 | 20M         | 1880           | 18900   | QPSK | 1   | 0 |                    |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | 23.84     | 24.05              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 2      | Ant2 | 20M         | 1880           | 18900   | QPSK | 1   | 0 |                    |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | 23.4      | 23.58              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant0 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | 23.65     | 23.76              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant1 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | 22.75     | 22.9               |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant2 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | 23.58     | 23.65              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant5 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | 22.45     | 22.64              |                    |  |  |  |  |  |  |  |  |  |
| CA_2A-7A-7A | Band 7      | Ant0 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 24.17     | 24.15              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant1 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 22.51     | 22.66              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant2 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 22.65     | 22.78              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant5 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 2      | 20M         | 1960           | 900     |                             | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 22.51     | 22.54              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 2      | Ant0 | 20M         | 1880           | 18900   | QPSK | 1   | 0 |                    |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | 23.88     | 24.05              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 2      | Ant2 | 20M         | 1880           | 18900   | QPSK | 1   | 0 |                    |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | 23.53     | 23.58              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant0 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | Band 2      | 20M         | 1960           | 900     |                             | 24.1      | 24.15              |                    |  |  |  |  |  |  |  |  |  |
| CA_2A_7C    | Band 7      | Ant1 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | Band 2      | 20M         | 1960           | 900     |                             | 22.48     | 22.66              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant2 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | Band 2      | 20M         | 1960           | 900     |                             | 22.72     | 22.78              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant5 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | Band 2      | 20M         | 1960           | 900     |                             | 22.54     | 22.54              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 2      | Ant0 | 20M         | 1880           | 18900   | QPSK | 1   | 0 |                    |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | 23.92     | 24.05              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 2      | Ant2 | 20M         | 1880           | 18900   | QPSK | 1   | 0 |                    |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | 23.58     | 23.58              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant0 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 2      | 20M         | 1960           | 900     |                             | 23.98     | 24.15              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant1 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 2      | 20M         | 1960           | 900     |                             | 22.55     | 22.66              |                    |  |  |  |  |  |  |  |  |  |
| CA_4A-7C    | Band 7      | Ant2 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 2      | 20M         | 1960           | 900     |                             | 22.62     | 22.78              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant5 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 2      | 20M         | 1960           | 900     |                             | 22.4      | 22.54              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant0 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | 23.68     | 23.76              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant1 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | 22.71     | 22.9               |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant2 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | 23.55     | 23.65              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 4      | Ant5 | 20M         | 1732.5         | 20175   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | 22.5      | 22.64              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant0 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 24.15     | 24.15              |                    |  |  |  |  |  |  |  |  |  |
| CA_5A-7C    | Band 7      | Ant1 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 22.58     | 22.66              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant2 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 22.74     | 22.78              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant5 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 4      | 20M         | 2132.5         | 2175    | 4x4MIMO                     | 22.33     | 22.54              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 5      | Ant0 | 10M         | 836.5          | 20525   | QPSK | 1   | 0 |                    |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | 24.49     | 24.54              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 5      | Ant1 | 10M         | 836.5          | 20525   | QPSK | 1   | 0 |                    |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | 24.06     | 24.22              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant0 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 24.02     | 24.15              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant1 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 22.57     | 22.66              |                    |  |  |  |  |  |  |  |  |  |
| CA_5A-7A-7A | Band 7      | Ant2 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 22.75     | 22.78              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant5 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 20M         | 2674.8         | 3298    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 22.5      | 22.54              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 5      | Ant0 | 10M         | 836.5          | 20525   | QPSK | 1   | 0 |                    |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | 24.48     | 24.54              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 5      | Ant1 | 10M         | 836.5          | 20525   | QPSK | 1   | 0 |                    |                             | Band 7      | 20M         | 2655           | 3100    | 4x4MIMO                     | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | 24.04     | 24.22              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant0 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 24.09     | 24.15              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant1 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 22.48     | 22.66              |                    |  |  |  |  |  |  |  |  |  |
|             | Band 7      | Ant2 | 20M         | 2535           | 21100   | QPSK | 1   | 0 | 4x4MIMO            |                             | Band 7      | 5M          | 2687.5         | 3425    | 4x4MIMO                     | Band 5      | 10M         | 881.5          | 2525    |                             | 22.8      | 22.78              |                    |  |  |  |  |  |  |  |  |  |

# Full Power Mode\_Main PA

## DFT-15

| n5 Ant0 Default |            |         |           |                       |                          |                        |                     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 25.5                |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.61                 | 24.62                    | 24.61                  | 25.5                |
| 20              | PI/2 BPSK  | 1       | 53        | 24.49                 | 24.54                    | 24.36                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 24.40                 | 24.56                    | 24.53                  | 25.0                |
| 20              | PI/2 BPSK  | 50      | 0         | 23.86                 | 23.95                    | 23.94                  |                     |
| 20              | PI/2 BPSK  | 50      | 28        | 24.52                 | 24.63                    | 24.52                  | 25.5                |
| 20              | PI/2 BPSK  | 50      | 56        | 24.11                 | 24.05                    | 23.95                  |                     |
| 20              | PI/2 BPSK  | 100     | 0         | 23.90                 | 24.07                    | 24.02                  | 25.0                |
| 20              | QPSK       | 1       | 1         | 24.64                 | 24.75                    | 24.62                  |                     |
| 20              | QPSK       | 1       | 53        | 24.71                 | 24.67                    | 24.53                  | 25.5                |
| 20              | QPSK       | 1       | 104       | 24.67                 | 24.69                    | 24.62                  |                     |
| 20              | QPSK       | 50      | 0         | 23.63                 | 23.74                    | 23.72                  | 24.5                |
| 20              | QPSK       | 50      | 28        | 24.67                 | 24.69                    | 24.62                  |                     |
| 20              | QPSK       | 50      | 56        | 23.50                 | 23.60                    | 23.49                  | 25.5                |
| 20              | QPSK       | 100     | 0         | 23.52                 | 23.58                    | 23.45                  |                     |
| 20              | 16QAM      | 1       | 1         | 23.41                 | 23.46                    | 23.34                  | 24.5                |
| 20              | 64QAM      | 1       | 1         | 22.05                 | 22.11                    | 21.97                  |                     |
| 20              | 256QAM     | 1       | 1         | 20.31                 | 20.35                    | 20.24                  | 21.0                |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |
| 15              | QPSK       | 1       | 1         | 24.58                 | 24.68                    | 24.62                  | 25.5                |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |
| 10              | QPSK       | 1       | 1         | 24.59                 | 24.67                    | 24.63                  | 25.5                |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |
| 5               | QPSK       | 1       | 1         | 24.64                 | 24.68                    | 24.57                  | 25.5                |

| n7 Ant0 Default |            |         |           |                       |                          |                        |                     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 25.5                |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 22.81                 | 22.95                    | 22.95                  | 24.5                |
| 50              | PI/2 BPSK  | 1       | 135       | 22.74                 | 22.76                    | 22.83                  |                     |
| 50              | PI/2 BPSK  | 1       | 268       | 22.05                 | 22.02                    | 22.05                  | 24.0                |
| 50              | PI/2 BPSK  | 135     | 0         | 22.51                 | 22.52                    | 22.48                  |                     |
| 50              | PI/2 BPSK  | 135     | 68        | 22.70                 | 22.92                    | 22.79                  | 24.5                |
| 50              | PI/2 BPSK  | 135     | 135       | 22.06                 | 22.14                    | 22.07                  |                     |
| 50              | PI/2 BPSK  | 270     | 0         | 22.28                 | 22.40                    | 22.34                  | 24.0                |
| 50              | QPSK       | 1       | 1         | 22.98                 | 23.00                    | 22.87                  |                     |
| 50              | QPSK       | 1       | 135       | 22.67                 | 22.81                    | 22.77                  | 24.5                |
| 50              | QPSK       | 1       | 268       | 22.01                 | 22.10                    | 22.05                  |                     |
| 50              | QPSK       | 135     | 0         | 21.96                 | 22.07                    | 22.07                  | 23.5                |
| 50              | QPSK       | 135     | 68        | 22.87                 | 22.91                    | 22.90                  |                     |
| 50              | QPSK       | 135     | 135       | 21.69                 | 21.71                    | 21.69                  | 23.5                |
| 50              | QPSK       | 270     | 0         | 21.80                 | 21.86                    | 21.84                  |                     |
| 50              | 16QAM      | 1       | 1         | 21.74                 | 21.84                    | 21.79                  | 23.5                |
| 50              | 64QAM      | 1       | 1         | 20.29                 | 20.31                    | 20.30                  |                     |
| 50              | 256QAM     | 1       | 1         | 18.85                 | 18.91                    | 18.77                  | 20.0                |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |
| 40              | QPSK       | 1       | 1         | 22.94                 | 22.96                    | 22.80                  | 24.5                |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |
| 30              | QPSK       | 1       | 1         | 22.95                 | 22.91                    | 22.82                  | 24.5                |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2514.5                | 2535                     | 2557.5                 |                     |
| 25              | QPSK       | 1       | 1         | 22.90                 | 22.99                    | 22.79                  | 24.5                |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |
| 20              | QPSK       | 1       | 1         | 22.98                 | 23.00                    | 22.79                  | 24.5                |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |
| 15              | QPSK       | 1       | 1         | 22.92                 | 22.97                    | 22.87                  | 24.5                |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |
| 10              | QPSK       | 1       | 1         | 22.90                 | 22.95                    | 22.80                  | 24.5                |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |
| 5               | QPSK       | 1       | 1         | 22.97                 | 22.93                    | 22.81                  | 24.5                |

| n38 Ant0 Default |            |         |           |                          |                             |                           |                        |                        |  |
|------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|------------------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB)            |  |
| Channel          |            |         |           | 518004                   | 519000                      | 519996                    | 24.5                   | 0.0                    |  |
| Frequency (MHz)  |            |         |           | 2590.02                  | 2595                        | 2599.98                   |                        |                        |  |
| 40               | PI/2 BPSK  | 1       | 1         | 22.53                    | 22.54                       | 22.56                     |                        |                        |  |
| 40               | PI/2 BPSK  | 1       | 108       | 22.87                    | 22.91                       | 22.93                     |                        |                        |  |
| 40               | PI/2 BPSK  | 1       | 214       | 22.61                    | 22.57                       | 22.54                     | 24.0                   | 0.5                    |  |
| 40               | PI/2 BPSK  | 108     | 0         | 22.33                    | 22.37                       | 22.29                     |                        |                        |  |
| 40               | PI/2 BPSK  | 108     | 54        | 22.80                    | 22.91                       | 22.80                     |                        |                        |  |
| 40               | PI/2 BPSK  | 108     | 108       | 22.12                    | 22.25                       | 22.22                     |                        |                        |  |
| 40               | PI/2 BPSK  | 216     | 0         | 22.20                    | 22.29                       | 22.28                     | 24.0                   | 0.5                    |  |
| 40               | QPSK       | 1       | 1         | 22.54                    | 22.53                       | 22.56                     |                        |                        |  |
| 40               | QPSK       | 1       | 108       | 22.88                    | 22.96                       | 22.92                     |                        |                        |  |
| 40               | QPSK       | 1       | 214       | 22.54                    | 22.60                       | 22.55                     |                        |                        |  |
| 40               | QPSK       | 108     | 0         | 21.70                    | 21.83                       | 21.69                     | 23.5                   | 1.0                    |  |
| 40               | QPSK       | 108     | 54        | 22.83                    | 22.94                       | 22.89                     |                        |                        |  |
| 40               | QPSK       | 108     | 108       | 21.69                    | 21.81                       | 21.64                     |                        |                        |  |
| 40               | QPSK       | 216     | 0         | 21.74                    | 21.81                       | 21.74                     |                        |                        |  |
| 40               | 16QAM      | 1       | 1         | 21.51                    | 21.54                       | 21.53                     | 23.5                   | 1.0                    |  |
| 40               | 64QAM      | 1       | 1         | 20.11                    | 20.23                       | 20.21                     |                        |                        |  |
| 40               | 256QAM     | 1       | 1         | 18.30                    | 18.37                       | 18.31                     |                        |                        |  |
| Channel          |            |         |           | 517002                   | 519000                      | 530998                    |                        | Tune-up limit<br>(dBm) |  |
| Frequency (MHz)  |            |         |           | 2595.01                  | 2595                        | 2604.99                   |                        |                        |  |
| 30               | QPSK       | 1       | 1         | 22.60                    | 22.58                       | 22.56                     | 24.5                   | 0.0                    |  |
| Channel          |            |         |           | 516504                   | 519000                      | 521496                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2592.52                  | 2595                        | 2607.48                   |                        |                        |  |
| 25               | QPSK       | 1       | 1         | 22.53                    | 22.56                       | 22.55                     |                        | 24.5                   |  |
| Channel          |            |         |           | 516000                   | 519000                      | 522000                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2580                     | 2595                        | 2610                      |                        |                        |  |
| 20               | QPSK       | 1       | 1         | 22.60                    | 22.57                       | 22.61                     | 24.5                   | 0.0                    |  |
| Channel          |            |         |           | 515502                   | 519000                      | 522498                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2577.51                  | 2595                        | 2612.49                   |                        |                        |  |
| 15               | QPSK       | 1       | 1         | 22.53                    | 22.51                       | 22.57                     |                        | 24.5                   |  |
| Channel          |            |         |           | 515004                   | 519000                      | 522996                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2575.02                  | 2595                        | 2614.98                   |                        |                        |  |
| 10               | QPSK       | 1       | 1         | 22.53                    | 22.56                       | 22.60                     | 24.5                   | 0.0                    |  |
| Channel          |            |         |           | 514500                   | 519000                      | 523500                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2572.5                   | 2595                        | 2617.5                    |                        |                        |  |
| 5                | QPSK       | 1       | 1         | 22.59                    | 22.58                       | 22.58                     |                        | 24.5                   |  |

| n41 Ant0 Default |            |         |           |                          |                             |                           |                        |                        |  |
|------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|------------------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB)            |  |
| Channel          |            |         |           | 504004                   | 518598                      | 532998                    | 24.5                   | 0.0                    |  |
| Frequency (MHz)  |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   |                        |                        |  |
| 50               | PI/2 BPSK  | 1       | 1         | 22.75                    | 22.80                       | 22.70                     |                        |                        |  |
| 50               | PI/2 BPSK  | 1       | 135       | 22.82                    | 22.91                       | 22.85                     |                        |                        |  |
| 50               | PI/2 BPSK  | 1       | 268       | 22.78                    | 22.75                       | 22.73                     | 24.0                   | 0.5                    |  |
| 50               | PI/2 BPSK  | 135     | 0         | 22.18                    | 22.26                       | 22.28                     |                        |                        |  |
| 50               | PI/2 BPSK  | 135     | 68        | 22.74                    | 22.85                       | 22.80                     |                        |                        |  |
| 50               | PI/2 BPSK  | 135     | 135       | 22.07                    | 22.16                       | 22.12                     |                        |                        |  |
| 50               | PI/2 BPSK  | 270     | 0         | 22.22                    | 22.21                       | 22.10                     | 24.5                   | 0.0                    |  |
| 50               | QPSK       | 1       | 1         | 22.74                    | 22.83                       | 22.70                     |                        |                        |  |
| 50               | QPSK       | 1       | 135       | 22.85                    | 22.98                       | 22.89                     |                        |                        |  |
| 50               | QPSK       | 1       | 268       | 22.73                    | 22.74                       | 22.70                     |                        |                        |  |
| 50               | QPSK       | 135     | 0         | 21.70                    | 21.81                       | 21.69                     | 23.5                   | 1.0                    |  |
| 50               | QPSK       | 135     | 68        | 22.81                    | 22.92                       | 22.89                     |                        |                        |  |
| 50               | QPSK       | 135     | 135       | 21.62                    | 21.66                       | 21.69                     |                        |                        |  |
| 50               | QPSK       | 270     | 0         | 21.69                    | 21.77                       | 21.74                     |                        |                        |  |
| 50               | 16QAM      | 1       | 1         | 21.84                    | 21.74                       | 21.74                     | 23.5                   | 1.0                    |  |
| 50               | 64QAM      | 1       | 1         | 20.28                    | 20.34                       | 20.23                     |                        |                        |  |
| 50               | 256QAM     | 1       | 1         | 18.27                    | 18.33                       | 18.24                     |                        |                        |  |
| Channel          |            |         |           | 503002                   | 518598                      | 531000                    |                        | Tune-up limit<br>(dBm) |  |
| Frequency (MHz)  |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        |                        |  |
| 40               | QPSK       | 1       | 1         | 22.68                    | 22.83                       | 22.72                     | 24.5                   | 0.0                    |  |
| Channel          |            |         |           | 502000                   | 518598                      | 534996                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2511                     | 2592.99                     | 2674.98                   |                        |                        |  |
| 30               | QPSK       | 1       | 1         | 22.72                    | 22.81                       | 22.62                     |                        | 24.5                   |  |
| Channel          |            |         |           | 501004                   | 518598                      | 535998                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        |                        |  |
| 20               | QPSK       | 1       | 1         | 22.65                    | 22.81                       | 22.68                     | 24.5                   | 0.0                    |  |
| Channel          |            |         |           | 500700                   | 518598                      | 536496                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2503.5                   | 2592.99                     | 2682.48                   |                        |                        |  |
| 15               | QPSK       | 1       | 1         | 22.69                    | 22.83                       | 22.62                     |                        | 24.5                   |  |
| Channel          |            |         |           | 500202                   | 518598                      | 537000                    |                        |                        |  |
| Frequency (MHz)  |            |         |           | 2501.01                  | 2592.99                     | 2685                      |                        |                        |  |
| 10               | QPSK       | 1       | 1         | 22.71                    | 22.78                       | 22.69                     |                        | 24.5                   |  |

| n5 Ant1 Default |            |         |           |                          |                             |                           |                        |                        |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|------------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB)            |  |
| Channel         |            |         |           | 166800                   | 167300                      | 167800                    | 25.7                   | 0.0                    |  |
| Frequency (MHz) |            |         |           | 834                      | 836.5                       | 839                       |                        |                        |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.91                    | 24.05                       | 23.92                     |                        |                        |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.82                    | 23.88                       | 23.86                     |                        |                        |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.87                    | 23.96                       | 23.94                     | 25.2                   | 0.5                    |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.51                    | 23.60                       | 23.47                     |                        |                        |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.83                    | 23.94                       | 23.81                     |                        |                        |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.60                    | 23.70                       | 23.67                     |                        |                        |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.61                    | 23.64                       | 23.59                     | 25.7                   | 0.0                    |  |
| 20              | QPSK       | 1       | 1         | 23.97                    | 24.08                       | 23.87                     |                        |                        |  |
| 20              | QPSK       | 1       | 53        | 23.80                    | 23.96                       | 23.94                     |                        |                        |  |
| 20              | QPSK       | 1       | 104       | 23.83                    | 24.04                       | 23.96                     |                        |                        |  |
| 20              | QPSK       | 50      | 0         | 22.89                    | 22.93                       | 22.90                     | 24.7                   | 1.0                    |  |
| 20              | QPSK       | 50      | 28        | 23.94                    | 23.99                       | 23.87                     |                        |                        |  |
| 20              | QPSK       | 50      | 56        | 23.02                    | 23.08                       | 22.98                     |                        |                        |  |
| 20              | QPSK       | 100     | 0         | 23.10                    | 23.12                       | 22.96                     |                        |                        |  |
| 20              | 16QAM      | 1       | 1         | 22.78                    | 22.89                       | 22.76                     | 24.7                   | 1.0                    |  |
| 20              | 64QAM      | 1       | 1         | 21.30                    | 21.47                       | 21.36                     |                        |                        |  |
| 20              | 256QAM     | 1       | 1         | 19.63                    | 19.63                       | 19.64                     |                        |                        |  |
| Channel         |            |         |           | 166300                   | 167300                      | 168300                    |                        | Tune-up limit<br>(dBm) |  |
| Frequency (MHz) |            |         |           | 831.5                    | 836.5                       | 841.5                     |                        |                        |  |
| 15              | QPSK       | 1       | 1         | 23.93                    | 24.02                       | 23.74                     |                        |                        |  |
| Channel         |            |         |           | 165800                   | 167300                      | 168800                    |                        | Tune-up limit<br>(dBm) |  |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       |                        |                        |  |
| 10              | QPSK       | 1       | 1         | 23.86                    | 24.00                       | 23.81                     |                        | Tune-up limit<br>(dBm) |  |
| Channel         |            |         |           | 165300                   | 167300                      | 168300                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 826.5                    | 836.5                       | 846.5                     |                        |                        |  |
| 5               | QPSK       | 1       | 1         | 23.85                    | 23.94                       | 23.77                     |                        |                        |  |

| n7 Ant1 Default |            |         |           |                          |                             |                           |                        |                        |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|------------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB)            |  |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 25.0                   | 0.0                    |  |
| Frequency (MHz) |            |         |           | 2525                     | 2536                        | 2545                      |                        |                        |  |
| 50              | PI/2 BPSK  | 1       | 1         | 23.64                    | 23.88                       | 23.71                     |                        |                        |  |
| 50              | PI/2 BPSK  | 1       | 135       | 23.44                    | 23.66                       | 23.55                     |                        |                        |  |
| 50              | PI/2 BPSK  | 1       | 268       | 23.53                    | 23.55                       | 23.51                     | 24.5                   | 0.5                    |  |
| 50              | PI/2 BPSK  | 135     | 0         | 23.19                    | 23.29                       | 23.25                     |                        |                        |  |
| 50              | PI/2 BPSK  | 135     | 68        | 23.59                    | 23.78                       | 23.66                     |                        |                        |  |
| 50              | PI/2 BPSK  | 135     | 135       | 22.86                    | 22.83                       | 22.78                     |                        |                        |  |
| 50              | PI/2 BPSK  | 270     | 0         | 23.04                    | 23.12                       | 23.05                     | 25.0                   | 0.0                    |  |
| 50              | QPSK       | 1       | 1         | 23.91                    | 23.94                       | 23.79                     |                        |                        |  |
| 50              | QPSK       | 1       | 135       | 23.55                    | 23.55                       | 23.41                     |                        |                        |  |
| 50              | QPSK       | 1       | 268       | 23.43                    | 23.51                       | 23.37                     |                        |                        |  |
| 50              | QPSK       | 135     | 0         | 22.74                    | 22.93                       | 22.84                     | 24.0                   | 1.0                    |  |
| 50              | QPSK       | 135     | 68        | 23.68                    | 23.80                       | 23.66                     |                        |                        |  |
| 50              | QPSK       | 135     | 135       | 22.31                    | 22.41                       | 22.40                     |                        |                        |  |
| 50              | QPSK       | 270     | 0         | 22.51                    | 22.66                       | 22.52                     |                        |                        |  |
| 50              | 16QAM      | 1       | 1         | 22.56                    | 22.64                       | 22.58                     | 24.0                   | 1.0                    |  |
| 50              | 64QAM      | 1       | 1         | 21.08                    | 21.19                       | 21.04                     |                        |                        |  |
| 50              | 256QAM     | 1       | 1         | 19.62                    | 19.75                       | 19.63                     |                        |                        |  |
| Channel         |            |         |           | 504500                   | 507000                      | 510000                    |                        | Tune-up limit<br>(dBm) |  |
| Frequency (MHz) |            |         |           | 2520                     | 2536                        | 2550                      |                        |                        |  |
| 40              | QPSK       | 1       | 1         | 23.82                    | 23.87                       | 23.73                     |                        | Tune-up limit<br>(dBm) |  |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 2515                     | 2536                        | 2555                      |                        |                        |  |
| 30              | QPSK       | 1       | 1         | 23.79                    | 23.87                       | 23.70                     |                        | Tune-up limit<br>(dBm) |  |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 2512.5                   | 2536                        | 2567.5                    |                        |                        |  |
| 25              | QPSK       | 1       | 1         | 23.82                    | 23.84                       | 23.75                     |                        | Tune-up limit<br>(dBm) |  |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 2510                     | 2536                        | 2560                      |                        |                        |  |
| 20              | QPSK       | 1       | 1         | 23.77                    | 23.84                       | 23.64                     |                        | Tune-up limit<br>(dBm) |  |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 2507.5                   | 2536                        | 2562.5                    |                        |                        |  |
| 15              | QPSK       | 1       | 1         | 23.78                    | 23.85                       | 23.74                     |                        | Tune-up limit<br>(dBm) |  |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 2505                     | 2536                        | 2565                      |                        |                        |  |
| 10              | QPSK       | 1       | 1         | 23.82                    | 23.80                       | 23.75                     |                        | Tune-up limit<br>(dBm) |  |
| Channel         |            |         |           | 500500                   | 507000                      | 513500                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 2502.5                   | 2536                        | 2567.5                    |                        |                        |  |
| 5               | QPSK       | 1       | 1         | 23.76                    | 23.86                       | 23.71                     |                        | Tune-up limit<br>(dBm) |  |
| Channel         |            |         |           | 500000                   | 507000                      | 514000                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 2500                     | 2536                        | 2570                      |                        |                        |  |
| Channel         |            |         |           | 500000                   | 507000                      | 514000                    |                        | Tune-up limit<br>(dBm) |  |
| Frequency (MHz) |            |         |           | 2500                     | 2536                        | 2570                      |                        |                        |  |
| Channel         |            |         |           | 500000                   | 507000                      | 514000                    |                        |                        |  |
| Frequency (MHz) |            |         |           | 2500                     | 2536                        | 2570                      |                        |                        |  |

| n38 Ant1 Default |            |         |           |                          |                             |                           |                        |             |  |
|------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel          |            |         |           | 518004                   | 519000                      | 519996                    |                        |             |  |
| Frequency (MHz)  |            |         |           | 2690.02                  | 2595                        | 2599.98                   |                        |             |  |
| 40               | PI/2 BPSK  | 1       | 1         | 23.84                    | 23.73                       | 23.75                     | 25.5                   | 0.0         |  |
| 40               | PI/2 BPSK  | 1       | 108       | 23.96                    | 24.07                       | 23.97                     |                        |             |  |
| 40               | PI/2 BPSK  | 1       | 214       | 23.83                    | 23.78                       | 23.77                     |                        |             |  |
| 40               | PI/2 BPSK  | 108     | 0         | 23.72                    | 23.83                       | 23.74                     | 25.0                   | 0.5         |  |
| 40               | PI/2 BPSK  | 108     | 54        | 24.18                    | 24.31                       | 24.19                     | 25.5                   | 0.0         |  |
| 40               | PI/2 BPSK  | 108     | 108       | 23.79                    | 23.95                       | 23.78                     | 25.0                   | 0.5         |  |
| 40               | PI/2 BPSK  | 216     | 0         | 23.73                    | 23.88                       | 23.69                     |                        |             |  |
| 40               | QPSK       | 1       | 1         | 23.68                    | 23.73                       | 23.74                     | 25.5                   | 0.0         |  |
| 40               | QPSK       | 1       | 108       | 24.29                    | 24.34                       | 24.17                     |                        |             |  |
| 40               | QPSK       | 1       | 214       | 23.74                    | 23.71                       | 23.83                     |                        |             |  |
| 40               | QPSK       | 108     | 0         | 23.19                    | 23.28                       | 23.23                     | 24.5                   | 1.0         |  |
| 40               | QPSK       | 108     | 54        | 24.19                    | 24.21                       | 24.07                     | 25.5                   | 0.0         |  |
| 40               | QPSK       | 108     | 108       | 23.31                    | 23.24                       | 23.24                     | 24.5                   | 1.0         |  |
| 40               | QPSK       | 216     | 0         | 23.28                    | 23.37                       | 23.24                     |                        |             |  |
| 40               | 16QAM      | 1       | 1         | 22.77                    | 22.77                       | 22.75                     | 24.5                   | 1.0         |  |
| 40               | 64QAM      | 1       | 1         | 21.27                    | 21.35                       | 21.34                     | 23.0                   | 2.5         |  |
| 40               | 256QAM     | 1       | 1         | 19.80                    | 19.93                       | 19.84                     | 21.0                   | 4.5         |  |
| Channel          |            |         |           | 517002                   | 519000                      | 520998                    | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 2685.01                  | 2595                        | 2604.99                   | (dBm)                  | (dB)        |  |
| 30               | QPSK       | 1       | 1         | 23.63                    | 23.66                       | 23.75                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 516504                   | 519000                      | 521496                    | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 2682.52                  | 2595                        | 2607.48                   | (dBm)                  | (dB)        |  |
| 25               | QPSK       | 1       | 1         | 23.62                    | 23.72                       | 23.72                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 516000                   | 519000                      | 522000                    | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 2580                     | 2595                        | 2610                      | (dBm)                  | (dB)        |  |
| 20               | QPSK       | 1       | 1         | 23.60                    | 23.71                       | 23.69                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 515502                   | 519000                      | 522498                    | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 2577.51                  | 2595                        | 2612.49                   | (dBm)                  | (dB)        |  |
| 15               | QPSK       | 1       | 1         | 23.61                    | 23.66                       | 23.73                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 515004                   | 519000                      | 522996                    | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 2575.02                  | 2595                        | 2614.98                   | (dBm)                  | (dB)        |  |
| 10               | QPSK       | 1       | 1         | 23.67                    | 23.67                       | 23.69                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 514500                   | 519000                      | 523500                    | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 2572.5                   | 2595                        | 2617.5                    | (dBm)                  | (dB)        |  |
| 10               | QPSK       | 1       | 1         | 23.65                    | 23.72                       | 23.75                     | 25.5                   | 0.0         |  |

| n41 Ant1 Default |            |         |           |                          |                             |                           |                        |             |  |
|------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel          |            |         |           | 504204                   | 518598                      | 532998                    |                        |             |  |
| Frequency (MHz)  |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   |                        |             |  |
| 50               | PI/2 BPSK  | 1       | 1         | 23.86                    | 23.85                       | 23.85                     | 25.5                   | 0.0         |  |
| 50               | PI/2 BPSK  | 1       | 135       | 24.23                    | 24.19                       | 24.15                     |                        |             |  |
| 50               | PI/2 BPSK  | 1       | 268       | 23.79                    | 23.86                       | 23.84                     |                        |             |  |
| 50               | PI/2 BPSK  | 135     | 0         | 23.45                    | 23.50                       | 23.44                     | 25.0                   | 0.5         |  |
| 50               | PI/2 BPSK  | 135     | 68        | 24.12                    | 24.23                       | 24.21                     | 25.5                   | 0.0         |  |
| 50               | PI/2 BPSK  | 135     | 135       | 23.63                    | 23.58                       | 23.50                     | 25.0                   | 0.5         |  |
| 50               | PI/2 BPSK  | 270     | 0         | 23.58                    | 23.57                       | 23.59                     |                        |             |  |
| 50               | QPSK       | 1       | 1         | 23.88                    | 23.84                       | 23.79                     | 25.5                   | 0.0         |  |
| 50               | QPSK       | 1       | 135       | 24.24                    | 24.27                       | 24.20                     |                        |             |  |
| 50               | QPSK       | 1       | 268       | 23.94                    | 24.01                       | 23.85                     |                        |             |  |
| 50               | QPSK       | 135     | 0         | 22.94                    | 23.05                       | 23.03                     | 24.5                   | 1.0         |  |
| 50               | QPSK       | 135     | 68        | 24.21                    | 24.26                       | 24.18                     | 25.5                   | 0.0         |  |
| 50               | QPSK       | 135     | 135       | 23.02                    | 23.15                       | 23.01                     | 24.5                   | 1.0         |  |
| 50               | QPSK       | 270     | 0         | 23.07                    | 23.12                       | 23.04                     |                        |             |  |
| 50               | 16QAM      | 1       | 1         | 22.92                    | 22.98                       | 22.78                     | 24.5                   | 1.0         |  |
| 50               | 64QAM      | 1       | 1         | 21.34                    | 21.50                       | 21.38                     | 23.0                   | 2.5         |  |
| 50               | 256QAM     | 1       | 1         | 19.12                    | 19.18                       | 19.17                     | 21.0                   | 4.5         |  |
| Channel          |            |         |           | 503202                   | 518598                      | 534000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        |             |  |
| 40               | QPSK       | 1       | 1         | 23.74                    | 23.75                       | 23.65                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 502200                   | 518598                      | 534996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2511                     | 2592.99                     | 2674.98                   |                        |             |  |
| 30               | QPSK       | 1       | 1         | 23.84                    | 23.76                       | 23.65                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 501204                   | 518598                      | 535998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        |             |  |
| 20               | QPSK       | 1       | 1         | 23.81                    | 23.75                       | 23.66                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 500700                   | 518598                      | 536496                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2503.5                   | 2592.99                     | 2682.48                   |                        |             |  |
| 15               | QPSK       | 1       | 1         | 23.79                    | 23.75                       | 23.65                     | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 500202                   | 518598                      | 537000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2501.01                  | 2592.99                     | 2685                      |                        |             |  |
| 10               | QPSK       | 1       | 1         | 23.85                    | 23.74                       | 23.67                     | 25.5                   | 0.0         |  |

| n7 Ant2 Default |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 24.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 22.54                    | 22.55                       | 22.53                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 135       | 22.53                    | 22.51                       | 22.54                     | 23.5                   | 0.5         |
| 50              | PI/2 BPSK  | 1       | 268       | 22.52                    | 22.54                       | 22.52                     |                        |             |
| 50              | PI/2 BPSK  | 135     | 0         | 22.03                    | 22.19                       | 22.06                     |                        |             |
| 50              | PI/2 BPSK  | 135     | 68        | 22.52                    | 22.55                       | 22.54                     | 24.0                   | 0.0         |
| 50              | PI/2 BPSK  | 135     | 135       | 22.08                    | 22.12                       | 22.06                     | 23.5                   | 0.5         |
| 50              | PI/2 BPSK  | 270     | 0         | 22.05                    | 22.10                       | 22.01                     |                        |             |
| 50              | QPSK       | 1       | 1         | 22.52                    | 22.58                       | 22.54                     |                        |             |
| 50              | QPSK       | 1       | 135       | 22.51                    | 22.56                       | 22.57                     | 24.0                   | 0.0         |
| 50              | QPSK       | 1       | 268       | 22.56                    | 22.52                       | 22.53                     | 23.0                   | 1.0         |
| 50              | QPSK       | 135     | 0         | 21.58                    | 21.70                       | 21.61                     |                        |             |
| 50              | QPSK       | 135     | 68        | 22.56                    | 22.57                       | 22.52                     |                        |             |
| 50              | QPSK       | 135     | 135       | 21.52                    | 21.62                       | 21.55                     | 23.0                   | 1.0         |
| 50              | QPSK       | 270     | 0         | 21.51                    | 21.53                       | 21.57                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 21.51                    | 21.55                       | 21.59                     | 23.0                   | 1.0         |
| 50              | 64QAM      | 1       | 1         | 20.07                    | 20.13                       | 20.11                     | 21.5                   | 2.5         |
| 50              | 256QAM     | 1       | 1         | 18.38                    | 18.52                       | 18.49                     | 19.5                   | 4.5         |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 22.51                    | 22.55                       | 22.54                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 22.53                    | 22.56                       | 22.53                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    | (dBm)                  | (dB)        |
| 25              | QPSK       | 1       | 1         | 22.56                    | 22.54                       | 22.52                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 22.51                    | 22.54                       | 22.54                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    | (dBm)                  | (dB)        |
| 15              | QPSK       | 1       | 1         | 22.52                    | 22.57                       | 22.53                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      | (dBm)                  | (dB)        |
| 10              | QPSK       | 1       | 1         | 22.54                    | 22.56                       | 22.52                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 500500                   | 507000                      | 513500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2502.5                   | 2535                        | 2567.5                    | (dBm)                  | (dB)        |
| 5               | QPSK       | 1       | 1         | 22.55                    | 22.57                       | 22.54                     | 24.0                   | 0.0         |

| n38 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 519004                | 519000                   | 519996                 |                     |          |  |
| Frequency (MHz)  |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40               | PI2 BPSK   | 1       | 1         | 23.02                 | 23.05                    | 23.01                  |                     |          |  |
| 40               | PI2 BPSK   | 1       | 108       | 23.12                 | 23.18                    | 23.12                  | 25.0                | 0.0      |  |
| 40               | PI2 BPSK   | 1       | 214       | 23.01                 | 23.05                    | 23.01                  |                     |          |  |
| 40               | PI2 BPSK   | 108     | 0         | 22.61                 | 22.65                    | 22.62                  | 24.5                | 0.5      |  |
| 40               | PI2 BPSK   | 108     | 54        | 23.10                 | 23.14                    | 23.11                  | 25.0                | 0.0      |  |
| 40               | PI2 BPSK   | 108     | 108       | 22.66                 | 22.66                    | 22.65                  | 24.5                | 0.5      |  |
| 40               | PI2 BPSK   | 216     | 0         | 22.67                 | 22.70                    | 22.69                  |                     |          |  |
| 40               | QPSK       | 1       | 1         | 23.01                 | 23.08                    | 23.04                  |                     |          |  |
| 40               | QPSK       | 1       | 108       | 23.13                 | 23.25                    | 23.14                  | 25.0                | 0.0      |  |
| 40               | QPSK       | 1       | 214       | 23.01                 | 23.04                    | 23.04                  |                     |          |  |
| 40               | QPSK       | 108     | 0         | 22.18                 | 22.20                    | 22.11                  | 24.0                | 1.0      |  |
| 40               | QPSK       | 108     | 54        | 23.13                 | 23.22                    | 23.17                  | 25.0                | 0.0      |  |
| 40               | QPSK       | 108     | 108       | 22.13                 | 22.10                    | 22.20                  | 24.0                | 1.0      |  |
| 40               | QPSK       | 216     | 0         | 22.15                 | 22.17                    | 22.13                  |                     |          |  |
| 40               | 16QAM      | 1       | 1         | 22.04                 | 22.10                    | 22.02                  | 24.0                | 1.0      |  |
| 40               | 64QAM      | 1       | 1         | 20.54                 | 20.58                    | 20.53                  | 22.5                | 2.5      |  |
| 40               | 256QAM     | 1       | 1         | 18.70                 | 18.70                    | 18.62                  | 20.5                | 4.5      |  |
| Channel          |            |         |           | 517002                | 518000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |  |
| 30               | QPSK       | 1       | 1         | 23.04                 | 23.18                    | 23.08                  | 25.0                | 0.0      |  |
| Channel          |            |         |           | 516504                | 519000                   | 521496                 | Tune-up limit (dBm) | MPR (dB) |  |
| 25               | QPSK       | 1       | 1         | 22.92                 | 22.95                    | 22.97                  | 23.0                | 0.0      |  |
| Channel          |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |  |
| 20               | QPSK       | 1       | 1         | 23.08                 | 23.16                    | 23.06                  | 25.0                | 0.0      |  |
| Channel          |            |         |           | 515502                | 519000                   | 522498                 | Tune-up limit (dBm) | MPR (dB) |  |
| 15               | QPSK       | 1       | 1         | 23.09                 | 23.20                    | 23.06                  | 25.0                | 0.0      |  |
| Channel          |            |         |           | 515004                | 519000                   | 522996                 | Tune-up limit (dBm) | MPR (dB) |  |
| 10               | QPSK       | 1       | 1         | 23.05                 | 23.18                    | 23.04                  | 25.0                | 0.0      |  |
| Channel          |            |         |           | 514500                | 519000                   | 523500                 | Tune-up limit (dBm) | MPR (dB) |  |
| 10               | QPSK       | 1       | 1         | 23.04                 | 23.16                    | 23.06                  | 25.0                | 0.0      |  |

| n41 Ant2 Default |            |         |           |                       |                          |                        |                             |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|-----------------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm)         | MPR (dB) |  |
| Channel          |            |         |           | 504204                | 518598                   | 532998                 |                             |          |  |
| Frequency (MHz)  |            |         |           | 2521.02               | 2592.99                  | 2654.99                |                             |          |  |
| 50               | PI2 BPSK   | 1       | 1         | 23.07                 | 23.05                    | 23.09                  |                             |          |  |
| 50               | PI2 BPSK   | 1       | 135       | 23.09                 | 23.16                    | 23.12                  | 24.5                        | 0.0      |  |
| 50               | PI2 BPSK   | 1       | 268       | 23.06                 | 23.04                    | 23.05                  |                             |          |  |
| 50               | PI2 BPSK   | 135     | 0         | 22.60                 | 22.63                    | 22.58                  | 24.0                        | 0.5      |  |
| 50               | PI2 BPSK   | 135     | 68        | 23.13                 | 23.18                    | 23.09                  | 24.5                        | 0.5      |  |
| 50               | PI2 BPSK   | 135     | 135       | 22.55                 | 22.60                    | 22.57                  | 24.0                        | 0.5      |  |
| 50               | PI2 BPSK   | 270     | 0         | 22.59                 | 22.62                    | 22.59                  |                             |          |  |
| 50               | QPSK       | 1       | 1         | 23.06                 | 23.10                    | 23.09                  |                             |          |  |
| 50               | QPSK       | 1       | 135       | 23.20                 | 23.21                    | 23.10                  | 24.5                        | 0.0      |  |
| 50               | QPSK       | 1       | 268       | 23.04                 | 23.02                    | 23.08                  |                             |          |  |
| 50               | QPSK       | 135     | 0         | 22.09                 | 22.22                    | 22.09                  | 23.5                        | 1.0      |  |
| 50               | QPSK       | 135     | 68        | 23.12                 | 23.20                    | 23.11                  | 24.5                        | 0.0      |  |
| 50               | QPSK       | 135     | 135       | 22.05                 | 22.16                    | 22.12                  | 23.5                        | 1.0      |  |
| 50               | QPSK       | 270     | 0         | 22.12                 | 22.17                    | 22.16                  |                             |          |  |
| 50               | 16QAM      | 1       | 1         | 22.02                 | 22.08                    | 22.04                  | 23.5                        | 1.0      |  |
| 50               | 64QAM      | 1       | 1         | 20.52                 | 20.58                    | 20.54                  | 22.0                        | 2.5      |  |
| 50               | 256QAM     | 1       | 1         | 18.83                 | 18.94                    | 18.88                  | 20.0                        | 4.5      |  |
| Channel          |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm)         | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2516.01               | 2592.99                  | 2670                   |                             |          |  |
| 40               | QPSK       | 1       | 1         | 23.09                 | 23.15                    | 23.06                  | 24.5                        | 0.0      |  |
| Channel          |            |         |           | 502200                | 518598                   | 534998                 | Tune-up limit (dBm)         | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 23.11                 | 2592.99                  | 2674.98                |                             |          |  |
| 30               | QPSK       | 1       | 1         | 23.11                 | 23.12                    | 23.05                  | 24.5                        | 0.0      |  |
| Channel          |            |         |           | 501104                | 518598                   | 535998                 | Tune-up limit (dBm)         | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                             |          |  |
| 20               | QPSK       | 1       | 1         | 23.08                 | 23.09                    | 23.06                  | 24.5                        | 0.0      |  |
| Channel          |            |         |           | 500700                | 518598                   | 536496                 | Tune-up limit (dBm)         | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2501.01               | 2592.99                  | 2662.48                |                             |          |  |
| 15               | QPSK       | 1       | 1         | 23.05                 | 23.11                    | 23.01                  | 24.5                        | 0.0      |  |
| Channel          |            |         |           | 500202                | 518598                   | 537000                 | Tune-up limit (dBm)         | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2501.01               | 2592.99                  | 2665                   | 24.5 <td>0.0</td> <td></td> | 0.0      |  |
| 10               | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 23.03                  | 24.5                        | 0.0      |  |





## Part270 n77 Ant3 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 646334                | 656000                   | 663668                 |                     |          |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3956.02                |                     |          |
| 50              | PI2 BPSK   | 1       | 1         | 20.82                 | 20.82                    | 20.87                  |                     |          |
| 50              | PI2 BPSK   | 1       | 135       | 21.06                 | 21.19                    | 21.06                  | 22.0                | 0.0      |
| 50              | PI2 BPSK   | 1       | 268       | 20.79                 | 20.86                    | 20.77                  |                     |          |
| 50              | PI2 BPSK   | 135     | 0         | 20.84                 | 20.89                    | 20.83                  | 21.5                | 0.5      |
| 50              | PI2 BPSK   | 135     | 68        | 21.12                 | 21.16                    | 21.12                  | 22.0                | 0.0      |
| 50              | PI2 BPSK   | 135     | 135       | 20.75                 | 20.86                    | 20.77                  | 21.5                | 0.5      |
| 50              | PI2 BPSK   | 270     | 0         | 20.79                 | 20.89                    | 20.83                  |                     |          |
| 50              | QPSK       | 1       | 1         | 20.82                 | 20.88                    | 20.86                  |                     |          |
| 50              | QPSK       | 1       | 135       | 21.17                 | 21.22                    | 21.10                  | 22.0                | 0.0      |
| 50              | QPSK       | 1       | 268       | 20.80                 | 20.91                    | 20.81                  |                     |          |
| 50              | QPSK       | 135     | 0         | 20.07                 | 20.16                    | 20.11                  | 21.0                | 1.0      |
| 50              | QPSK       | 135     | 68        | 20.13                 | 20.20                    | 20.13                  | 22.0                | 0.0      |
| 50              | QPSK       | 135     | 135       | 20.10                 | 20.16                    | 20.09                  | 21.0                | 1.0      |
| 50              | QPSK       | 270     | 0         | 20.06                 | 20.19                    | 20.14                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 19.80                 | 19.91                    | 19.83                  | 21.0                | 1.0      |
| 50              | 64QAM      | 1       | 1         | 18.46                 | 18.55                    | 18.52                  | 19.5                | 2.5      |
| 50              | 256QAM     | 1       | 1         | 16.79                 | 16.86                    | 16.79                  | 17.5                | 4.5      |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   | (dBm)               | (dB)     |
| 40              | QPSK       | 1       | 1         | 20.87                 | 20.93                    | 20.82                  | 22.0                | 0.0      |
| Channel         |            |         |           | 647668                | 656000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3715.02               | 3840                     | 3965.01                | (dBm)               | (dB)     |
| 30              | QPSK       | 1       | 1         | 20.82                 | 20.91                    | 20.76                  | 22.0                | 0.0      |
| Channel         |            |         |           | 647590                | 656000                   | 664590                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3712.15               | 3840                     | 3972.15                | (dBm)               | (dB)     |
| 25              | QPSK       | 1       | 1         | 20.81                 | 20.92                    | 20.77                  | 22.0                | 0.0      |
| Channel         |            |         |           | 647334                | 656000                   | 664668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3970.02                | (dBm)               | (dB)     |
| 20              | QPSK       | 1       | 1         | 20.84                 | 20.92                    | 20.78                  | 22.0                | 0.0      |
| Channel         |            |         |           | 647168                | 656000                   | 664834                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.51                | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 20.87                 | 20.92                    | 20.83                  | 22.0                | 0.0      |
| Channel         |            |         |           | 647090                | 656000                   | 665090                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 20.87                 | 20.87                    | 20.81                  | 22.0                | 0.0      |

## Part27Q n77 Ant3 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       | 633334                   |                        |                     |          |
| Frequency (MHz) |            |         |           |                       | 3500.01                  |                        |                     |          |
| 50              | PI2 BPSK   | 1       | 1         |                       | 21.12                    |                        |                     |          |
| 50              | PI2 BPSK   | 1       | 135       |                       | 21.24                    |                        | 22.0                | 0.0      |
| 50              | PI2 BPSK   | 1       | 268       |                       | 21.06                    |                        |                     |          |
| 50              | PI2 BPSK   | 135     | 0         |                       | 20.76                    |                        | 21.5                | 0.5      |
| 50              | PI2 BPSK   | 135     | 68        |                       | 21.32                    |                        | 22.0                | 0.0      |
| 50              | PI2 BPSK   | 135     | 135       |                       | 20.78                    |                        | 21.5                | 0.5      |
| 50              | PI2 BPSK   | 270     | 0         |                       | 20.80                    |                        |                     |          |
| 50              | QPSK       | 1       | 1         |                       | 21.15                    |                        |                     |          |
| 50              | QPSK       | 1       | 135       |                       | 21.36                    |                        | 22.0                | 0.0      |
| 50              | QPSK       | 1       | 268       |                       | 21.21                    |                        |                     |          |
| 50              | QPSK       | 135     | 0         |                       | 20.44                    |                        | 21.0                | 1.0      |
| 50              | QPSK       | 135     | 68        |                       | 21.28                    |                        | 22.0                | 0.0      |
| 50              | QPSK       | 135     | 135       |                       | 20.41                    |                        | 21.0                | 1.0      |
| 50              | QPSK       | 270     | 0         |                       | 20.25                    |                        |                     |          |
| 50              | 16QAM      | 1       | 1         |                       | 20.23                    |                        | 21.0                | 1.0      |
| 50              | 64QAM      | 1       | 1         |                       | 19.71                    |                        | 19.5                | 2.5      |
| 50              | 256QAM     | 1       | 1         |                       | 18.92                    |                        | 17.5                | 4.5      |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40              | QPSK       | 1       | 1         | 21.10                 | 21.03                    | 21.06                  | 22.0                | 0.0      |
| Channel         |            |         |           | 631000                | 633334                   | 635666                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |
| 30              | QPSK       | 1       | 1         | 21.07                 | 21.07                    | 21.07                  | 22.0                | 0.0      |
| Channel         |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3463.51               | 3500.01                  | 3537.51                | (dBm)               | (dB)     |
| 25              | QPSK       | 1       | 1         | 21.04                 | 21.07                    | 21.10                  | 22.0                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20              | QPSK       | 1       | 1         | 21.10                 | 21.05                    | 21.06                  | 22.0                | 0.0      |
| Channel         |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 21.08                 | 21.12                    | 21.11                  | 22.0                | 0.0      |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 21.05                 | 21.11                    | 21.03                  | 22.0                | 0.0      |

## Part270 n78 Ant3 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       | 650000                   |                        |                     |          |
| Frequency (MHz) |            |         |           |                       | 3750                     |                        |                     |          |
| 50              | PI2 BPSK   | 1       | 1         |                       | 19.71                    |                        |                     |          |
| 50              | PI2 BPSK   | 1       | 135       |                       | 19.91                    |                        | 21.0                | 0.0      |
| 50              | PI2 BPSK   | 1       | 268       |                       | 19.74                    |                        |                     |          |
| 50              | PI2 BPSK   | 135     | 0         |                       | 19.88                    |                        | 21.0                | 0.0      |
| 50              | PI2 BPSK   | 135     | 68        |                       | 19.88                    |                        | 21.0                | 0.0      |
| 50              | PI2 BPSK   | 135     | 135       |                       | 19.90                    |                        | 21.0                | 0.0      |
| 50              | PI2 BPSK   | 270     | 0         |                       | 19.92                    |                        |                     |          |
| 50              | QPSK       | 1       | 1         |                       | 19.77                    |                        |                     |          |
| 50              | QPSK       | 1       | 135       |                       | 19.92                    |                        | 21.0                | 0.0      |
| 50              | QPSK       | 1       | 268       |                       | 19.81                    |                        |                     |          |
| 50              | QPSK       | 135     | 0         |                       | 19.76                    |                        | 20.0                | 1.0      |
| 50              | QPSK       | 135     | 68        |                       | 19.85                    |                        | 21.0                | 0.0      |
| 50              | QPSK       | 135     | 135       |                       | 19.83                    |                        | 20.0                | 1.0      |
| 50              | QPSK       | 270     | 0         |                       | 19.86                    |                        |                     |          |
| 50              | 16QAM      | 1       | 1         |                       | 19.76                    |                        | 21.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         |                       | 19.84                    |                        | 21.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         |                       | 18.43                    |                        | 19.5                | 1.5      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   | (dBm)               | (dB)     |
| 40              | QPSK       | 1       | 1         | 19.67                 | 19.69                    | 19.67                  | 21.0                | 0.0      |
| Channel         |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750                     | 3785.01                | (dBm)               | (dB)     |
| 30              | QPSK       | 1       | 1         | 19.73                 | 19.69                    | 19.69                  | 21.0                | 0.0      |
| Channel         |            |         |           | 647590                | 650000                   | 652590                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3712.15               | 3750                     | 3787.15                | (dBm)               | (dB)     |
| 25              | QPSK       | 1       | 1         | 19.71                 | 19.72                    | 19.68                  | 21.0                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3780.02                | (dBm)               | (dB)     |
| 20              | QPSK       | 1       | 1         | 19.67                 | 19.70                    | 19.69                  | 21.0                | 0.0      |
| Channel         |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3782.51                | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 19.65                 | 19.72                    | 19.64                  | 21.0                | 0.0      |
| Channel         |            |         |           | 647090                | 650000                   | 653090                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 19.66                 | 19.70                    | 19.67                  | 21.0                | 0.0      |

## Part270 n78 PC2 Ant3 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| Channel         |            |         |           | 650000                |                          |                        |                     |          |     |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |     |
| 50              | PI2 BPSK   | 1       | 1         |                       | 22.60                    |                        | 24.0                | 0.0      |     |
| 50              | PI2 BPSK   | 1       | 135       |                       | 22.86                    |                        |                     |          |     |
| 50              | PI2 BPSK   | 1       | 268       |                       | 22.84                    |                        |                     |          |     |
| 50              | PI2 BPSK   | 135     | 0         |                       | 22.39                    |                        | 23.5                | 0.5      |     |
| 50              | PI2 BPSK   | 135     | 68        |                       | 22.83                    |                        | 24.0                | 0.0      |     |
| 50              | PI2 BPSK   | 135     | 135       |                       | 22.42                    |                        | 23.5                | 0.5      |     |
| 50              | PI2 BPSK   | 270     | 0         |                       | 22.43                    |                        |                     |          |     |
| 50              | QPSK       | 1       | 1         |                       | 22.84                    |                        | 24.0                | 0.0      |     |
| 50              | QPSK       | 1       | 135       |                       | 22.96                    |                        |                     |          |     |
| 50              | QPSK       | 1       | 268       |                       | 22.68                    |                        |                     |          |     |
| 50              | QPSK       | 135     | 0         |                       | 21.81                    |                        | 23.0                | 1.0      |     |
| 50              | QPSK       | 135     | 68        |                       | 22.87                    |                        | 24.0                | 0.0      |     |
| 50              | QPSK       | 135     | 135       |                       | 21.79                    |                        | 23.0                | 1.0      |     |
| 50              | QPSK       | 270     | 0         |                       | 21.88                    |                        |                     |          |     |
| 50              | 16QAM      | 1       | 1         |                       | 21.71                    |                        | 23.0                | 1.0      |     |
| 50              | 64QAM      | 1       | 1         |                       | 20.34                    |                        | 21.5                | 2.5      |     |
| 50              | 256QAM     | 1       | 1         |                       | 18.51                    |                        | 19.5                | 4.5      |     |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3720                  | 3760                     | 3780                   |                     |          |     |
| 40              | QPSK       | 1       | 1         |                       | 22.60                    | 22.55                  | 22.52               | 24.0     | 0.0 |
| Channel         |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30              | QPSK       | 1       | 1         |                       | 22.54                    | 22.53                  | 22.51               | 24.0     | 0.0 |
| Channel         |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3713.5                | 3760                     | 3787.5                 |                     |          |     |
| 25              | QPSK       | 1       | 1         |                       | 22.54                    | 22.58                  | 22.58               | 24.0     | 0.0 |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3710.01               | 3760                     | 3790.02                |                     |          |     |
| 20              | QPSK       | 1       | 1         |                       | 22.40                    | 22.58                  | 22.60               | 24.0     | 0.0 |
| Channel         |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |
| 15              | QPSK       | 1       | 1         |                       | 22.61                    | 22.55                  | 22.53               | 24.0     | 0.0 |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10              | QPSK       | 1       | 1         |                       | 22.53                    | 22.61                  | 22.61               | 24.0     | 0.0 |

## Part27Q 78 Ant3 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch./ Freq. | Power Middle Ch./ Freq. | Power High Ch./ Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| Channel         |            |         |           | 633334               |                         |                       |                     |          |
| Frequency (MHz) |            |         |           | 3500.01              |                         |                       |                     |          |
| 50              | PI2 BPSK   | 1       | 1         |                      | 19.97                   |                       | 21.0                | 0.0      |
| 50              | PI2 BPSK   | 1       | 135       |                      | 20.02                   |                       |                     |          |
| 50              | PI2 BPSK   | 1       | 268       |                      | 19.85                   |                       |                     |          |
| 50              | PI2 BPSK   | 135     | 0         |                      | 20.00                   |                       | 21.0                | 0.0      |
| 50              | PI2 BPSK   | 135     | 68        |                      | 20.11                   |                       | 21.0                | 0.0      |
| 50              | PI2 BPSK   | 135     | 135       |                      | 20.06                   |                       | 21.0                | 0.0      |
| 50              | PI2 BPSK   | 270     | 0         |                      | 20.09                   |                       | 21.0                | 0.0      |
| 50              | QPSK       | 1       | 1         |                      | 20.08                   |                       | 21.0                | 0.0      |
| 50              | QPSK       | 1       | 135       |                      | 20.17                   |                       |                     |          |
| 50              | QPSK       | 1       | 268       |                      | 20.03                   |                       |                     |          |
| 50              | QPSK       | 135     | 0         |                      | 20.07                   |                       | 21.0                | 0.0      |
| 50              | QPSK       | 135     | 68        |                      | 20.13                   |                       | 21.0                | 0.0      |
| 50              | QPSK       | 135     | 135       |                      | 19.98                   |                       | 21.0                | 0.0      |
| 50              | QPSK       | 270     | 0         |                      | 19.90                   |                       |                     |          |
| 50              | 16QAM      | 1       | 1         |                      | 19.89                   |                       | 21.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         |                      | 19.85                   |                       | 21.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         |                      | 18.46                   |                       | 19.5                | 1.5      |
| Channel         |            |         |           | 631334               | 633334                  | 635334                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01              | 3500.01                 | 3530.01               |                     |          |
| 40              | QPSK       | 1       | 1         | 20.01                | 20.03                   | 20.04                 | 21.0                | 0.0      |
| Channel         |            |         |           | 631000               | 633334                  | 635668                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3465                 | 3500.01                 | 3535.02               |                     |          |
| 30              | QPSK       | 1       | 1         | 19.95                | 19.99                   | 19.96                 | 21.0                | 0.0      |
| Channel         |            |         |           | 630834               | 633334                  | 635834                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3462.51              | 3500.01                 | 3537.51               |                     |          |
| 25              | QPSK       | 1       | 1         | 19.95                | 19.99                   | 20.00                 | 21.0                | 0.0      |
| Channel         |            |         |           | 630668               | 633334                  | 636000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02              | 3500.01                 | 3540                  |                     |          |
| 20              | QPSK       | 1       | 1         | 20.01                | 19.98                   | 20.01                 | 21.0                | 0.0      |
| Channel         |            |         |           | 630500               | 633334                  | 636168                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3457.5               | 3500.01                 | 3542.52               |                     |          |
| 15              | QPSK       | 1       | 1         | 19.95                | 19.96                   | 20.00                 | 21.0                | 0.0      |
| Channel         |            |         |           | 630334               | 633334                  | 636334                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3455.01              | 3500.01                 | 3545.01               |                     |          |
| 10              | QPSK       | 1       | 1         | 20.02                | 19.96                   | 20.05                 | 21.0                | 0.0      |

## Part27Q 78 PC2 Ant3 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| Channel         |            |         |           | 633334                |                          |                        |                     |          |     |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |     |
| 50              | PI2 BPSK   | 1       | 1         |                       | 22.92                    |                        | 24.0                | 0.0      |     |
| 50              | PI2 BPSK   | 1       | 135       |                       | 23.14                    |                        |                     |          |     |
| 50              | PI2 BPSK   | 1       | 268       |                       | 22.88                    |                        |                     |          |     |
| 50              | PI2 BPSK   | 135     | 0         |                       | 22.59                    |                        | 23.5                | 0.5      |     |
| 50              | PI2 BPSK   | 135     | 68        |                       | 23.16                    |                        | 24.0                | 0.0      |     |
| 50              | PI2 BPSK   | 135     | 135       |                       | 22.86                    |                        | 23.5                | 0.5      |     |
| 50              | PI2 BPSK   | 270     | 0         |                       | 22.62                    |                        |                     |          |     |
| 50              | QPSK       | 1       | 1         |                       | 23.16                    |                        | 24.0                | 0.0      |     |
| 50              | QPSK       | 1       | 135       |                       | 23.25                    |                        |                     |          |     |
| 50              | QPSK       | 1       | 268       |                       | 23.11                    |                        |                     |          |     |
| 50              | QPSK       | 135     | 0         |                       | 22.12                    |                        | 23.0                | 1.0      |     |
| 50              | QPSK       | 135     | 68        |                       | 23.21                    |                        | 24.0                | 0.0      |     |
| 50              | QPSK       | 135     | 135       |                       | 22.09                    |                        | 23.0                | 1.0      |     |
| 50              | QPSK       | 270     | 0         |                       | 22.16                    |                        |                     |          |     |
| 50              | 16QAM      | 1       | 1         |                       | 21.95                    |                        | 23.0                | 1.0      |     |
| 50              | 64QAM      | 1       | 1         |                       | 20.36                    |                        | 21.5                | 2.5      |     |
| 50              | 256QAM     | 1       | 1         |                       | 18.98                    |                        | 19.5                | 4.5      |     |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40              | QPSK       | 1       | 1         |                       | 23.08                    | 23.06                  | 23.08               | 24.0     | 0.0 |
| Channel         |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30              | QPSK       | 1       | 1         |                       | 23.09                    | 23.10                  | 23.04               | 24.0     | 0.0 |
| Channel         |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3463.51               | 3500.01                  | 3537.51                |                     |          |     |
| 25              | QPSK       | 1       | 1         |                       | 23.07                    | 23.12                  | 23.06               | 24.0     | 0.0 |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20              | QPSK       | 1       | 1         |                       | 23.07                    | 23.06                  | 23.04               | 24.0     | 0.0 |
| Channel         |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15              | QPSK       | 1       | 1         |                       | 23.11                    | 23.10                  | 23.09               | 24.0     | 0.0 |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10              | QPSK       | 1       | 1         |                       | 23.07                    | 23.03                  | 23.05               | 24.0     | 0.0 |

## Par27O n77 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| Channel         |            |         |           | 643334                      | 650000                         | 663668                       |                        |             |
| Frequency (MHz) |            |         |           | 3725.01                     | 3840                           | 3955.02                      |                        |             |
| 50              | PI2 BPSK   | 1       | 1         | 25.22                       | 25.26                          | 25.20                        | 25.7                   | 0.0         |
| 50              | PI2 BPSK   | 1       | 135       | 25.39                       | 25.51                          | 25.49                        |                        |             |
| 50              | PI2 BPSK   | 1       | 268       | 25.23                       | 25.34                          | 25.26                        | 25.2                   | 0.5         |
| 50              | PI2 BPSK   | 135     | 0         | 24.90                       | 24.92                          | 24.86                        |                        |             |
| 50              | PI2 BPSK   | 135     | 68        | 25.41                       | 25.48                          | 25.40                        | 25.7                   | 0.0         |
| 50              | PI2 BPSK   | 135     | 135       | 24.79                       | 24.82                          | 24.73                        | 25.2                   | 0.5         |
| 50              | PI2 BPSK   | 270     | 0         | 24.87                       | 24.93                          | 24.87                        | 25.7                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 25.24                       | 25.31                          | 25.21                        |                        |             |
| 50              | QPSK       | 1       | 135       | 25.53                       | 25.55                          | 25.47                        | 25.7                   | 0.0         |
| 50              | QPSK       | 1       | 268       | 25.25                       | 25.36                          | 25.26                        |                        |             |
| 50              | QPSK       | 135     | 0         | 24.39                       | 24.46                          | 24.43                        | 24.7                   | 1.0         |
| 50              | QPSK       | 135     | 68        | 25.39                       | 25.49                          | 25.43                        | 25.7                   | 0.0         |
| 50              | QPSK       | 135     | 135       | 24.24                       | 24.31                          | 24.21                        | 24.7                   | 1.0         |
| 50              | QPSK       | 270     | 0         | 24.34                       | 24.37                          | 24.28                        | 24.7                   | 1.0         |
| 50              | 16QAM      | 1       | 1         | 24.30                       | 24.41                          | 24.30                        |                        |             |
| 50              | 64QAM      | 1       | 1         | 22.90                       | 22.96                          | 22.84                        | 23.2                   | 2.5         |
| 50              | 256QAM     | 1       | 1         | 20.81                       | 20.88                          | 20.86                        | 21.2                   | 4.5         |
| Channel         |            |         |           | 640000                      | 650000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | QPSK       | 1       | 1         | 25.21                       | 25.20                          | 25.14                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 647668                      | 650000                         | 664334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | QPSK       | 1       | 1         | 25.22                       | 25.27                          | 25.09                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 647500                      | 650000                         | 664500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3712.5                      | 3840                           | 3967.5                       |                        |             |
| 25              | QPSK       | 1       | 1         | 25.21                       | 25.22                          | 25.11                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 647334                      | 650000                         | 664668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | QPSK       | 1       | 1         | 25.12                       | 25.29                          | 25.09                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 647168                      | 650000                         | 664834                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3707.52                     | 3840                           | 3972.51                      |                        |             |
| 15              | QPSK       | 1       | 1         | 25.18                       | 25.25                          | 25.12                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 647000                      | 650000                         | 665000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3705                        | 3840                           | 3975                         |                        |             |
| 10              | QPSK       | 1       | 1         | 25.15                       | 25.28                          | 25.14                        | 25.7                   | 0.0         |

## Part27Q n77 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| Channel         |            |         |           | 633334                      | 633334                         | 633334                       |                        |             |
| Frequency (MHz) |            |         |           | 3500.01                     | 3500.01                        | 3500.01                      |                        |             |
| 50              | PI2 BPSK   | 1       | 1         | 25.23                       | 25.23                          |                              | 25.7                   | 0.0         |
| 50              | PI2 BPSK   | 1       | 135       | 25.45                       | 25.45                          |                              |                        |             |
| 50              | PI2 BPSK   | 1       | 268       | 25.19                       | 25.19                          |                              | 25.2                   | 0.5         |
| 50              | PI2 BPSK   | 135     | 0         | 24.89                       | 24.89                          |                              |                        |             |
| 50              | PI2 BPSK   | 135     | 68        | 25.46                       | 25.46                          |                              | 25.7                   | 0.0         |
| 50              | PI2 BPSK   | 135     | 135       | 24.85                       | 24.85                          |                              | 25.2                   | 0.5         |
| 50              | PI2 BPSK   | 270     | 0         | 24.97                       | 24.97                          |                              | 25.7                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 25.26                       | 25.26                          |                              |                        |             |
| 50              | QPSK       | 1       | 135       | 25.47                       | 25.47                          |                              | 24.7                   | 1.0         |
| 50              | QPSK       | 1       | 268       | 25.22                       | 25.22                          |                              |                        |             |
| 50              | QPSK       | 135     | 0         | 24.42                       | 24.42                          |                              | 24.7                   | 1.0         |
| 50              | QPSK       | 135     | 68        | 25.41                       | 25.41                          |                              | 25.7                   | 0.0         |
| 50              | QPSK       | 135     | 135       | 24.35                       | 24.35                          |                              | 24.7                   | 1.0         |
| 50              | QPSK       | 270     | 0         | 24.35                       | 24.35                          |                              | 24.7                   | 1.0         |
| 50              | 16QAM      | 1       | 1         | 24.31                       | 24.31                          |                              |                        |             |
| 50              | 64QAM      | 1       | 1         | 22.82                       | 22.82                          |                              | 23.2                   | 2.5         |
| 50              | 256QAM     | 1       | 1         | 20.96                       | 20.96                          |                              | 21.2                   | 4.5         |
| Channel         |            |         |           | 631384                      | 633334                         | 635384                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40              | QPSK       | 1       | 1         | 25.24                       | 25.22                          | 25.21                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30              | QPSK       | 1       | 1         | 25.15                       | 25.19                          | 25.24                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 630834                      | 633334                         | 635834                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3462.51                     | 3500.01                        | 3537.51                      |                        |             |
| 25              | QPSK       | 1       | 1         | 25.18                       | 25.24                          | 25.16                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20              | QPSK       | 1       | 1         | 25.14                       | 25.19                          | 25.21                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 630500                      | 633334                         | 636168                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3457.5                      | 3500.01                        | 3542.52                      |                        |             |
| 15              | QPSK       | 1       | 1         | 25.23                       | 25.16                          | 25.18                        | 25.7                   | 0.0         |
| Channel         |            |         |           | 630334                      | 633334                         | 636334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3455.01                     | 3500.01                        | 3545.01                      |                        |             |
| 10              | QPSK       | 1       | 1         | 25.15                       | 25.18                          | 25.22                        | 25.7                   | 0.0         |

## Part27O n78 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| Channel         |            |         |           | 650000                      | 650000                         | 650000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3750                           | 3750                         |                        |             |
| 50              | PI2 BPSK   | 1       | 1         |                             | 24.11                          |                              | 25.0                   | 0.0         |
| 50              | PI2 BPSK   | 1       | 135       |                             | 24.26                          |                              |                        |             |
| 50              | PI2 BPSK   | 1       | 268       |                             | 24.13                          |                              | 25.0                   | 0.0         |
| 50              | PI2 BPSK   | 135     | 0         |                             | 24.25                          |                              |                        |             |
| 50              | PI2 BPSK   | 135     | 68        |                             | 24.22                          |                              | 25.0                   | 0.0         |
| 50              | PI2 BPSK   | 135     | 135       |                             | 24.19                          |                              | 25.0                   | 0.0         |
| 50              | PI2 BPSK   | 270     | 0         |                             | 24.21                          |                              | 25.0                   | 0.0         |
| 50              | QPSK       | 1       | 1         |                             | 24.20                          |                              |                        |             |
| 50              | QPSK       | 1       | 135       |                             | 25.35                          |                              | 25.0                   | 0.0         |
| 50              | QPSK       | 1       | 268       |                             | 24.23                          |                              |                        |             |
| 50              | QPSK       | 135     | 0         |                             | 24.26                          |                              | 25.0                   | 0.0         |
| 50              | QPSK       | 135     | 68        |                             | 24.33                          |                              | 25.0                   | 0.0         |
| 50              | QPSK       | 135     | 135       |                             | 24.25                          |                              | 25.0                   | 0.0         |
| 50              | QPSK       | 270     | 0         |                             | 25.25                          |                              | 25.0                   | 0.0         |
| 50              | 16QAM      | 1       | 1         |                             | 24.19                          |                              |                        |             |
| 50              | 64QAM      | 1       | 1         |                             | 24.17                          |                              | 25.0                   | 0.0         |
| 50              | 256QAM     | 1       | 1         |                             | 22.82                          |                              | 23.5                   | 1.5         |
| Channel         |            |         |           | 648000                      | 650000                         | 652000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3750                           | 3780                         |                        |             |
| 40              | QPSK       | 1       | 1         | 24.10                       | 24.18                          | 24.12                        | 25.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 650000                         | 652334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3750                           | 3785.01                      |                        |             |
| 30              | QPSK       | 1       | 1         | 24.08                       | 24.14                          | 24.12                        | 25.0                   | 0.0         |
| Channel         |            |         |           | 647500                      | 650000                         | 652500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3712.5                      | 3750                           | 3787.5                       |                        |             |
| 25              | QPSK       | 1       | 1         | 24.13                       | 24.13                          | 24.09                        | 25.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 650000                         | 652668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3750                           | 3790.02                      |                        |             |
| 20              | QPSK       | 1       | 1         | 24.08                       | 24.14                          | 24.12                        | 25.0                   | 0.0         |
| Channel         |            |         |           | 647168                      | 650000                         | 652834                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3707.52                     | 3750                           | 3792.51                      |                        |             |
| 15              | QPSK       | 1       | 1         | 24.09                       | 24.11                          | 24.14                        | 25.0                   | 0.0         |
| Channel         |            |         |           | 647000                      | 650000                         | 653000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3705                        | 3750                           | 3795                         |                        |             |
| 10              | QPSK       | 1       | 1         | 24.13                       | 24.10                          | 24.15                        | 25.0                   | 0.0         |



| Part270 n78 PC2 Ant4 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                      |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)              |            |         |           | 3750                  |                          |                        |                     |          |  |
| 50                           | PI/2 BPSK  | 1       | 1         |                       | 27.19                    |                        | 28.0                | 0.0      |  |
| 50                           | PI/2 BPSK  | 1       | 135       |                       | 27.38                    |                        |                     |          |  |
| 50                           | PI/2 BPSK  | 1       | 268       |                       | 27.26                    |                        |                     |          |  |
| 50                           | PI/2 BPSK  | 135     | 0         |                       | 26.88                    |                        |                     |          |  |
| 50                           | PI/2 BPSK  | 135     | 68        |                       | 27.37                    |                        | 28.0                | 0.0      |  |
| 50                           | PI/2 BPSK  | 135     | 135       |                       | 26.71                    |                        | 27.5                | 0.5      |  |
| 50                           | PI/2 BPSK  | 270     | 0         |                       | 26.73                    |                        |                     |          |  |
| 50                           | QPSK       | 1       | 1         |                       | 27.24                    |                        | 28.0                | 0.0      |  |
| 50                           | QPSK       | 1       | 135       |                       | 27.42                    |                        |                     |          |  |
| 50                           | QPSK       | 1       | 268       |                       | 27.31                    |                        | 27.0                | 1.0      |  |
| 50                           | QPSK       | 135     | 0         |                       | 26.53                    |                        |                     |          |  |
| 50                           | QPSK       | 135     | 68        |                       | 27.28                    |                        | 28.0                | 0.0      |  |
| 50                           | QPSK       | 135     | 135       |                       | 26.31                    |                        | 27.0                | 1.0      |  |
| 50                           | QPSK       | 270     | 0         |                       | 26.46                    |                        |                     |          |  |
| 50                           | 16QAM      | 1       | 1         |                       | 26.42                    |                        | 27.0                | 1.0      |  |
| 50                           | 64QAM      | 1       | 1         |                       | 25.11                    |                        | 25.5                | 2.5      |  |
| 50                           | 256QAM     | 1       | 1         |                       | 23.07                    |                        | 23.5                | 4.5      |  |
| Channel                      |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                           | QPSK       | 1       | 1         | 27.21                 | 27.21                    | 27.21                  | 28.0                | 0.0      |  |
| Channel                      |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                           | QPSK       | 1       | 1         | 27.45                 | 27.40                    | 27.22                  | 28.0                | 0.0      |  |
| Channel                      |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                           | QPSK       | 1       | 1         | 27.12                 | 27.21                    | 27.15                  | 28.0                | 0.0      |  |
| Channel                      |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3709.41               | 3750                     | 3790.02                |                     |          |  |
| 20                           | QPSK       | 1       | 1         | 27.22                 | 27.17                    | 27.15                  | 28.0                | 0.0      |  |
| Channel                      |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                           | QPSK       | 1       | 1         | 27.22                 | 27.14                    | 27.15                  | 28.0                | 0.0      |  |
| Channel                      |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                           | QPSK       | 1       | 1         | 27.20                 | 27.19                    | 27.12                  | 28.0                | 0.0      |  |

| Part27Q 78 Ant4 Default |            |         |           |                       |                          |                        |                     |          |  |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                 |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)         |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 50                      | PI/2 BPSK  | 1       | 1         |                       | 24.24                    |                        | 25.0                | 0.0      |  |
| 50                      | PI/2 BPSK  | 1       | 135       |                       | 24.42                    |                        |                     |          |  |
| 50                      | PI/2 BPSK  | 1       | 268       |                       | 24.10                    |                        |                     |          |  |
| 50                      | PI/2 BPSK  | 135     | 0         |                       | 24.32                    |                        |                     |          |  |
| 50                      | PI/2 BPSK  | 135     | 68        |                       | 24.41                    |                        | 25.0                | 0.0      |  |
| 50                      | PI/2 BPSK  | 135     | 135       |                       | 24.27                    |                        | 25.0                | 0.0      |  |
| 50                      | PI/2 BPSK  | 270     | 0         |                       | 24.36                    |                        |                     |          |  |
| 50                      | QPSK       | 1       | 1         |                       | 24.33                    |                        | 25.0                | 0.0      |  |
| 50                      | QPSK       | 1       | 135       |                       | 24.48                    |                        |                     |          |  |
| 50                      | QPSK       | 1       | 268       |                       | 24.12                    |                        | 25.0                | 0.0      |  |
| 50                      | QPSK       | 135     | 0         |                       | 24.29                    |                        |                     |          |  |
| 50                      | QPSK       | 135     | 68        |                       | 24.43                    |                        | 25.0                | 0.0      |  |
| 50                      | QPSK       | 135     | 135       |                       | 24.26                    |                        | 25.0                | 0.0      |  |
| 50                      | QPSK       | 270     | 0         |                       | 24.38                    |                        |                     |          |  |
| 50                      | 16QAM      | 1       | 1         |                       | 24.21                    |                        | 25.0                | 0.0      |  |
| 50                      | 64QAM      | 1       | 1         |                       | 24.16                    |                        | 25.0                | 0.0      |  |
| 50                      | 256QAM     | 1       | 1         |                       | 22.81                    |                        | 23.5                | 1.5      |  |
| Channel                 |            |         |           | 631834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                      | QPSK       | 1       | 1         | 24.22                 | 24.28                    | 24.30                  | 25.0                | 0.0      |  |
| Channel                 |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                      | QPSK       | 1       | 1         | 24.22                 | 24.29                    | 24.27                  | 25.0                | 0.0      |  |
| Channel                 |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                      | QPSK       | 1       | 1         | 24.22                 | 24.30                    | 24.22                  | 25.0                | 0.0      |  |
| Channel                 |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                      | QPSK       | 1       | 1         | 24.26                 | 24.23                    | 24.31                  | 25.0                | 0.0      |  |
| Channel                 |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                      | QPSK       | 1       | 1         | 24.20                 | 24.22                    | 24.28                  | 25.0                | 0.0      |  |
| Channel                 |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                      | QPSK       | 1       | 1         | 24.26                 | 24.26                    | 24.21                  | 25.0                | 0.0      |  |

| Part27Q 78 PC2 Ant4 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)             |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 50                          | PI/2 BPSK  | 1       | 1         |                       | 27.33                    |                        | 28.0                | 0.0      |  |
| 50                          | PI/2 BPSK  | 1       | 135       |                       | 27.56                    |                        |                     |          |  |
| 50                          | PI/2 BPSK  | 1       | 268       |                       | 27.19                    |                        |                     |          |  |
| 50                          | PI/2 BPSK  | 135     | 0         |                       | 26.86                    |                        |                     |          |  |
| 50                          | PI/2 BPSK  | 135     | 68        |                       | 27.47                    |                        | 28.0                | 0.0      |  |
| 50                          | PI/2 BPSK  | 135     | 135       |                       | 26.88                    |                        | 27.5                | 0.5      |  |
| 50                          | PI/2 BPSK  | 270     | 0         |                       | 26.84                    |                        |                     |          |  |
| 50                          | QPSK       | 1       | 1         |                       | 27.44                    |                        | 28.0                | 0.0      |  |
| 50                          | QPSK       | 1       | 135       |                       | 27.62                    |                        |                     |          |  |
| 50                          | QPSK       | 1       | 268       |                       | 27.31                    |                        | 27.0                | 1.0      |  |
| 50                          | QPSK       | 135     | 0         |                       | 26.38                    |                        |                     |          |  |
| 50                          | QPSK       | 135     | 68        |                       | 27.54                    |                        | 28.0                | 0.0      |  |
| 50                          | QPSK       | 135     | 135       |                       | 26.41                    |                        | 27.0                | 1.0      |  |
| 50                          | QPSK       | 270     | 0         |                       | 26.52                    |                        |                     |          |  |
| 50                          | 16QAM      | 1       | 1         |                       | 26.56                    |                        | 27.0                | 1.0      |  |
| 50                          | 64QAM      | 1       | 1         |                       | 25.03                    |                        | 25.5                | 2.5      |  |
| 50                          | 256QAM     | 1       | 1         |                       | 22.84                    |                        | 23.5                | 4.5      |  |
| Channel                     |            |         |           | 631834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                          | QPSK       | 1       | 1         | 27.36                 | 27.42                    | 27.40                  | 28.0                | 0.0      |  |
| Channel                     |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                          | QPSK       | 1       | 1         | 27.36                 | 27.42                    | 27.32                  | 28.0                | 0.0      |  |
| Channel                     |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                          | QPSK       | 1       | 1         | 27.33                 | 27.36                    | 27.43                  | 28.0                | 0.0      |  |
| Channel                     |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                          | QPSK       | 1       | 1         | 27.40                 | 27.31                    | 27.38                  | 28.0                | 0.0      |  |
| Channel                     |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                          | QPSK       | 1       | 1         | 27.37                 | 27.41                    | 27.42                  | 28.0                | 0.0      |  |
| Channel                     |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                          | QPSK       | 1       | 1         | 27.34                 | 27.40                    | 27.40                  | 28.0                | 0.0      |  |

| n7 Ant5 Default |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 25.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 23.78                 | 23.84                    | 23.82                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 135       | 23.48                 | 23.68                    | 23.62                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 268       | 23.41                 | 23.51                    | 23.46                  | 24.5                | 0.5      |
| 50              | PI/2 BPSK  | 135     | 0         | 23.29                 | 23.44                    | 23.32                  |                     |          |
| 50              | PI/2 BPSK  | 135     | 68        | 23.68                 | 23.80                    | 23.68                  | 25.0                | 0.0      |
| 50              | PI/2 BPSK  | 135     | 135       | 23.04                 | 23.14                    | 23.04                  | 24.5                | 0.5      |
| 50              | PI/2 BPSK  | 270     | 0         | 23.15                 | 23.33                    | 23.21                  |                     |          |
| 50              | QPSK       | 1       | 1         | 23.78                 | 23.85                    | 23.81                  | 25.0                | 0.0      |
| 50              | QPSK       | 1       | 135       | 23.61                 | 23.69                    | 23.61                  |                     |          |
| 50              | QPSK       | 1       | 268       | 23.53                 | 23.56                    | 23.46                  |                     |          |
| 50              | QPSK       | 135     | 0         | 22.69                 | 22.86                    | 22.69                  | 24.0                | 1.0      |
| 50              | QPSK       | 135     | 68        | 23.71                 | 23.76                    | 23.72                  | 25.0                | 0.0      |
| 50              | QPSK       | 135     | 135       | 22.64                 | 22.86                    | 22.68                  | 24.0                | 1.0      |
| 50              | QPSK       | 270     | 0         | 22.66                 | 22.73                    | 22.63                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 22.43                 | 22.38                    | 22.50                  | 24.0                | 1.0      |
| 50              | 64QAM      | 1       | 1         | 20.91                 | 20.96                    | 20.87                  | 22.5                | 2.5      |
| 50              | 256QAM     | 1       | 1         | 19.36                 | 19.43                    | 19.32                  | 20.5                | 4.5      |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   | 25.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 23.69                 | 23.77                    | 23.68                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 25.0                | 0.0      |
| 30              | QPSK       | 1       | 1         | 23.67                 | 23.73                    | 23.66                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 25.0                | 0.0      |
| 25              | QPSK       | 1       | 1         | 23.63                 | 23.80                    | 23.73                  |                     |          |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 25.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 23.72                 | 23.82                    | 23.72                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 25.0                | 0.0      |
| 15              | QPSK       | 1       | 1         | 23.68                 | 23.80                    | 23.77                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 25.0                | 0.0      |
| 10              | QPSK       | 1       | 1         | 23.65                 | 23.79                    | 23.71                  |                     |          |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 25.0                | 0.0      |
| 5               | QPSK       | 1       | 1         | 23.75                 | 23.74                    | 23.68                  |                     |          |



| n38 Ant5 Default |            |         |           |                       |                          |                        |                    |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------------------|----------|--|
| BW (MHz)         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up time (min) | MTR (dB) |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 40               | PWZ BPSK   | 1       | 1         | 23.53                 | 23.64                    | 23.58                  | 25.5               | 0.0      |  |
| 40               | PWZ BPSK   | 1       | 104       | 23.52                 | 23.59                    | 23.61                  |                    |          |  |
| 40               | PWZ BPSK   | 1       | 214       | 23.54                 | 23.56                    | 23.51                  |                    |          |  |
| 40               | PWZ BPSK   | 104     | 0         | 23.51                 | 23.62                    | 23.53                  | 25.5               | 0.5      |  |
| 40               | PWZ BPSK   | 104     | 54        | 23.52                 | 23.63                    | 23.55                  | 25.5               | 0.0      |  |
| 40               | PWZ BPSK   | 104     | 104       | 23.28                 | 23.38                    | 23.20                  | 25.0               | 0.5      |  |
| 40               | PWZ BPSK   | 214     | 0         | 23.24                 | 23.41                    | 23.40                  | 25.0               | 0.5      |  |
| 40               | QPSK       | 1       | 1         | 23.53                 | 23.63                    | 23.52                  |                    |          |  |
| 40               | QPSK       | 1       | 104       | 23.55                 | 23.53                    | 23.51                  |                    |          |  |
| 40               | QPSK       | 1       | 214       | 23.55                 | 23.58                    | 23.54                  | 24.5               | 1.0      |  |
| 40               | QPSK       | 104     | 0         | 22.87                 | 23.94                    | 23.81                  |                    |          |  |
| 40               | QPSK       | 104     | 54        | 23.82                 | 23.90                    | 23.87                  |                    |          |  |
| 40               | QPSK       | 104     | 104       | 22.75                 | 22.82                    | 22.75                  | 24.5               | 1.0      |  |
| 40               | QPSK       | 214     | 0         | 22.81                 | 22.84                    | 22.87                  | 24.5               | 1.0      |  |
| 40               | SSQAM      | 1       | 1         | 22.58                 | 22.74                    | 22.64                  |                    |          |  |
| 40               | SSQAM      | 1       | 1         | 21.20                 | 21.30                    | 21.17                  |                    |          |  |
| 40               | SSQAM      | 1       | 1         | 19.83                 | 19.68                    | 19.59                  | 21.0               | 4.5      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 515672                | 515690                   | 515690                 | Turn-up time (min) | MTR      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 23.51                 | 23.58                    | 23.53                  | 25.5               | 0.0      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 25               | QPSK       | 1       | 1         | 515672                | 515690                   | 515690                 | Turn-up time (min) | MTR      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 23.51                 | 23.58                    | 23.52                  | 25.5               | 0.0      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 23.51                 | 23.66                    | 23.56                  | 25.5               | 0.0      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 45               | QPSK       | 1       | 1         | 515672                | 515690                   | 515690                 | Turn-up time (min) | MTR      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 515674                | 515692                   | 515692                 | Turn-up time (min) | MTR      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 515674                | 515692                   | 515692                 | Turn-up time (min) | MTR      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 515680                | 515698                   | 515698                 | Turn-up time (min) | MTR      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 515680                | 515698                   | 515698                 | Turn-up time (min) | MTR      |  |

| n41 Ant5 Default |            |         |           |                       |                          |                        |                    |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------------------|----------|--|
| BW (MHz)         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up time (min) | MTR (dB) |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 40               | PWZ BPSK   | 1       | 1         | 23.58                 | 23.72                    | 23.62                  | 25.5               | 0.0      |  |
| 40               | PWZ BPSK   | 1       | 135       | 23.58                 | 24.07                    | 24.00                  |                    |          |  |
| 40               | PWZ BPSK   | 1       | 268       | 23.62                 | 23.69                    | 23.56                  |                    |          |  |
| 40               | PWZ BPSK   | 135     | 0         | 23.46                 | 23.49                    | 23.54                  | 25.0               | 0.5      |  |
| 40               | PWZ BPSK   | 135     | 66        | 23.48                 | 23.57                    | 23.79                  | 25.5               | 0.0      |  |
| 40               | PWZ BPSK   | 135     | 135       | 23.24                 | 23.30                    | 23.29                  | 25.0               | 0.5      |  |
| 40               | PWZ BPSK   | 270     | 0         | 23.57                 | 23.47                    | 23.36                  | 25.0               | 0.0      |  |
| 40               | QPSK       | 1       | 1         | 23.57                 | 23.70                    | 23.68                  |                    |          |  |
| 40               | QPSK       | 1       | 135       | 23.97                 | 24.03                    | 24.04                  |                    |          |  |
| 40               | QPSK       | 1       | 268       | 23.56                 | 23.63                    | 23.51                  | 24.5               | 1.0      |  |
| 40               | QPSK       | 135     | 0         | 22.84                 | 22.90                    | 22.80                  |                    |          |  |
| 40               | QPSK       | 135     | 66        | 23.94                 | 24.00                    | 23.99                  |                    |          |  |
| 40               | QPSK       | 135     | 135       | 22.79                 | 22.85                    | 22.76                  | 24.5               | 1.0      |  |
| 40               | QPSK       | 270     | 0         | 22.80                 | 22.82                    | 22.79                  | 24.5               | 1.0      |  |
| 40               | SSQAM      | 1       | 1         | 22.75                 | 22.86                    | 22.76                  |                    |          |  |
| 40               | SSQAM      | 1       | 1         | 21.18                 | 21.31                    | 21.21                  |                    |          |  |
| 40               | SSQAM      | 1       | 1         | 19.42                 | 19.54                    | 19.50                  | 21.0               | 4.5      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 40               | QPSK       | 1       | 1         | 23.62                 | 23.78                    | 23.58                  | 25.5               | 0.0      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 23.63                 | 23.71                    | 23.69                  | 25.5               | 0.0      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 40               | QPSK       | 1       | 1         | 23.54                 | 23.67                    | 23.58                  | 25.5               | 0.0      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 45               | QPSK       | 1       | 1         | 515502                | 515503                   | 515506                 | Turn-up time (min) | 0.0      |  |
| Channel          |            |         |           |                       |                          |                        |                    |          |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                    |          |  |
| 30               | QPSK       | 1       | 1         | 23.59                 | 23.67                    | 23.60                  | 25.5               | 0.0      |  |



| Par270 n77 Ant5 Default |            |          |            |                       |                          |                        |                    |          |     |
|-------------------------|------------|----------|------------|-----------------------|--------------------------|------------------------|--------------------|----------|-----|
| BW (MHz)                | Modulation | RIS Size | RIS Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up time (min) | MFR (dB) |     |
| Channel                 |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)         |            |          |            |                       |                          |                        |                    |          |     |
| 50                      | P1/2 BPSK  | 1        | 1          | 23.05                 | 23.18                    | 23.07                  | 24.0               | 0.0      |     |
| 50                      | P1/2 BPSK  | 1        | 135        | 23.18                 | 23.31                    | 23.25                  |                    |          |     |
| 50                      | P1/2 BPSK  | 1        | 268        | 23.01                 | 23.11                    | 22.99                  |                    |          |     |
| 50                      | P1/2 BPSK  | 135      | 0          | 22.94                 | 22.78                    | 22.72                  | 23.5               | 0.5      |     |
| 50                      | P1/2 BPSK  | 135      | 66         | 23.11                 | 23.28                    | 23.21                  | 23.0               | 0.0      |     |
| 50                      | P1/2 BPSK  | 135      | 135        | 22.62                 | 22.70                    | 22.62                  | 23.5               | 0.5      |     |
| 50                      | P1/2 BPSK  | 270      | 0          | 22.96                 | 23.74                    | 23.64                  |                    |          |     |
| 50                      | QPSK       | 1        | 1          | 23.15                 | 23.28                    | 23.19                  | 24.0               | 0.0      |     |
| 50                      | QPSK       | 1        | 135        | 23.11                 | 23.38                    | 23.28                  |                    |          |     |
| 50                      | QPSK       | 1        | 268        | 23.12                 | 23.21                    | 23.14                  |                    |          |     |
| 50                      | QPSK       | 135      | 0          | 23.18                 | 22.26                    | 22.18                  | 23.6               | 1.8      |     |
| 50                      | QPSK       | 135      | 66         | 23.18                 | 23.13                    | 23.20                  | 24.0               | 0.0      |     |
| 50                      | QPSK       | 135      | 135        | 22.21                 | 22.30                    | 22.19                  | 23.0               | 1.0      |     |
| 50                      | QPSK       | 270      | 0          | 22.21                 | 22.35                    | 22.26                  |                    |          |     |
| 50                      | 16QAM      | 1        | 1          | 22.14                 | 22.19                    | 22.15                  | 23.0               | 1.0      |     |
| 50                      | 56QAM      | 1        | 1          | 20.07                 | 20.74                    | 20.70                  | 23.5               | 1.5      |     |
| 50                      | 56QAM      | 1        | 1          | 18.97                 | 18.82                    | 18.50                  | 23.5               | 4.5      |     |
| Channel                 |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)         |            |          |            |                       |                          |                        |                    |          |     |
| 40                      | QPSK       | 1        | 1          | 23.02                 | 23.22                    | 23.10                  | 24.0               | 0.0      | MFR |
| Channel                 |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)         |            |          |            |                       |                          |                        |                    |          |     |
| 30                      | QPSK       | 1        | 1          | 23.05                 | 23.19                    | 23.11                  | 24.0               | 0.0      | MFR |
| Channel                 |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)         |            |          |            |                       |                          |                        |                    |          |     |
| 25                      | QPSK       | 1        | 1          | 23.04                 | 23.18                    | 23.07                  | 24.0               | 0.0      | MFR |
| Channel                 |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)         |            |          |            |                       |                          |                        |                    |          |     |
| 20                      | QPSK       | 1        | 1          | 23.03                 | 23.18                    | 23.07                  | 24.0               | 0.0      | MFR |
| Channel                 |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)         |            |          |            |                       |                          |                        |                    |          |     |
| 15                      | QPSK       | 1        | 1          | 23.01                 | 23.19                    | 23.07                  | 24.0               | 0.0      | MFR |
| Channel                 |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)         |            |          |            |                       |                          |                        |                    |          |     |
| 10                      | QPSK       | 1        | 1          | 23.04                 | 23.18                    | 23.05                  | 24.0               | 0.0      | MFR |

| Part27Q n77 Ant5 Default |            |          |            |                       |                          |                        |                    |          |     |
|--------------------------|------------|----------|------------|-----------------------|--------------------------|------------------------|--------------------|----------|-----|
| BW (MHz)                 | Modulation | RIS Size | RIS Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up time (min) | MFR (dB) |     |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 50                       | P1/2 BPSK  | 1        | 1          |                       | 3500.01                  |                        |                    | 24.0     | 0.0 |
| 50                       | P1/2 BPSK  | 1        | 135        |                       | 23.18                    |                        |                    |          |     |
| 50                       | P1/2 BPSK  | 1        | 268        |                       | 23.03                    |                        |                    |          |     |
| 50                       | P1/2 BPSK  | 135      | 0          |                       | 22.94                    |                        |                    | 23.5     | 0.5 |
| 50                       | P1/2 BPSK  | 135      | 66         |                       | 23.12                    |                        |                    | 23.0     | 0.0 |
| 50                       | P1/2 BPSK  | 135      | 135        |                       | 22.59                    |                        |                    | 23.5     | 0.5 |
| 50                       | P1/2 BPSK  | 270      | 0          |                       | 22.96                    |                        |                    |          |     |
| 50                       | QPSK       | 1        | 1          |                       | 23.07                    |                        |                    | 24.0     | 0.0 |
| 50                       | QPSK       | 1        | 135        |                       | 23.25                    |                        |                    |          |     |
| 50                       | QPSK       | 1        | 268        |                       | 23.01                    |                        |                    |          |     |
| 50                       | QPSK       | 135      | 0          |                       | 22.08                    |                        |                    | 23.0     | 1.0 |
| 50                       | QPSK       | 135      | 66         |                       | 23.09                    |                        |                    | 24.0     | 0.0 |
| 50                       | QPSK       | 135      | 135        |                       | 22.11                    |                        |                    | 23.0     | 1.0 |
| 50                       | QPSK       | 270      | 0          |                       | 22.19                    |                        |                    |          |     |
| 50                       | 25QAM      | 1        | 1          |                       | 22.09                    |                        |                    | 23.0     | 1.0 |
| 50                       | 25QAM      | 1        | 1          |                       | 20.54                    |                        |                    | 23.5     | 1.5 |
| 50                       | 25QAM      | 1        | 1          |                       | 18.90                    |                        |                    | 23.5     | 4.5 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 40                       | QPSK       | 1        | 1          |                       | 23.08                    |                        |                    | 23.05    | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 30                       | QPSK       | 1        | 1          |                       | 23.05                    |                        |                    | 23.07    | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 25                       | QPSK       | 1        | 1          |                       | 23.05                    |                        |                    | 23.07    | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 20                       | QPSK       | 1        | 1          |                       | 23.02                    |                        |                    | 23.07    | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 15                       | QPSK       | 1        | 1          |                       | 23.03                    |                        |                    | 23.06    | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 10                       | QPSK       | 1        | 1          |                       | 23.01                    |                        |                    | 23.07    | 0.0 |

| Part27O n78 Ant5 Default |            |          |            |                       |                          |                        |                    |          |     |
|--------------------------|------------|----------|------------|-----------------------|--------------------------|------------------------|--------------------|----------|-----|
| BW (MHz)                 | Modulation | RIS Size | RIS Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up time (min) | MFR (dB) |     |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 50                       | P1/2 BPSK  | 1        | 1          |                       | 22.01                    |                        | 23.0               |          | 0.0 |
| 50                       | P1/2 BPSK  | 1        | 135        |                       | 22.16                    |                        |                    |          |     |
| 50                       | P1/2 BPSK  | 1        | 268        |                       | 21.92                    |                        |                    |          |     |
| 50                       | P1/2 BPSK  | 135      | 0          |                       | 22.08                    |                        | 23.0               |          | 0.0 |
| 50                       | P1/2 BPSK  | 135      | 66         |                       | 22.12                    |                        | 23.0               |          | 0.0 |
| 50                       | P1/2 BPSK  | 135      | 135        |                       | 22.00                    |                        | 23.0               |          | 0.0 |
| 50                       | P1/2 BPSK  | 270      | 0          |                       | 22.19                    |                        |                    |          |     |
| 50                       | QPSK       | 1        | 1          |                       | 22.04                    |                        | 23.0               |          | 0.0 |
| 50                       | QPSK       | 1        | 135        |                       | 22.17                    |                        |                    |          |     |
| 50                       | QPSK       | 1        | 268        |                       | 21.97                    |                        |                    |          |     |
| 50                       | QPSK       | 135      | 0          |                       | 22.19                    |                        | 23.0               |          | 0.0 |
| 50                       | QPSK       | 135      | 66         |                       | 22.16                    |                        | 23.0               |          | 0.0 |
| 50                       | QPSK       | 135      | 135        |                       | 22.14                    |                        | 23.0               |          | 0.0 |
| 50                       | QPSK       | 270      | 0          |                       | 22.02                    |                        |                    |          |     |
| 50                       | 25QAM      | 1        | 1          |                       | 21.86                    |                        | 23.0               |          | 0.0 |
| 50                       | 25QAM      | 1        | 1          |                       | 21.81                    |                        | 23.0               |          | 0.0 |
| 50                       | 25QAM      | 1        | 1          |                       | 20.47                    |                        | 23.5               |          | 1.5 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 40                       | QPSK       | 1        | 1          |                       | 21.97                    |                        | 21.92              |          | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 30                       | QPSK       | 1        | 1          |                       | 21.95                    |                        | 21.99              |          | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 25                       | QPSK       | 1        | 1          |                       | 21.92                    |                        | 21.95              |          | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 20                       | QPSK       | 1        | 1          |                       | 21.90                    |                        | 21.97              |          | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 15                       | QPSK       | 1        | 1          |                       | 21.92                    |                        | 21.94              |          | 0.0 |
| Channel                  |            |          |            |                       |                          |                        |                    |          |     |
| Frequency (MHz)          |            |          |            |                       |                          |                        |                    |          |     |
| 10                       | QPSK       | 1        | 1          |                       | 22.00                    |                        | 22.01              |          | 0.0 |





Full Power Mode\_Main PA  
DFT-30

| n5 Ant0 Default |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 166800                   | 167300                      | 167800                    | 25.5                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 834                      | 836.5                       | 839                       |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.66                    | 24.69                       | 24.61                     |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 26        | 24.54                    | 24.56                       | 24.42                     |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 49        | 24.53                    | 24.61                       | 24.60                     | 25.0                   | 0.5         |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.91                    | 24.02                       | 24.01                     |                        |             |  |
| 20              | PI/2 BPSK  | 25      | 13        | 24.58                    | 24.65                       | 24.54                     |                        |             |  |
| 20              | PI/2 BPSK  | 25      | 26        | 24.12                    | 24.12                       | 24.01                     |                        |             |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.93                    | 24.08                       | 24.02                     | 25.0                   | 0.5         |  |
| 20              | QPSK       | 1       | 1         | 24.72                    | 24.78                       | 24.64                     |                        |             |  |
| 20              | QPSK       | 1       | 26        | 24.73                    | 24.74                       | 24.60                     |                        |             |  |
| 20              | QPSK       | 1       | 49        | 24.69                    | 24.72                       | 24.69                     |                        |             |  |
| 20              | QPSK       | 25      | 0         | 23.69                    | 23.79                       | 23.76                     | 24.5                   | 1.0         |  |
| 20              | QPSK       | 25      | 13        | 24.71                    | 24.76                       | 24.65                     |                        |             |  |
| 20              | QPSK       | 25      | 26        | 23.58                    | 23.67                       | 23.56                     |                        |             |  |
| 20              | QPSK       | 50      | 0         | 23.58                    | 23.59                       | 23.47                     |                        |             |  |
| 20              | 16QAM      | 1       | 1         | 23.42                    | 23.48                       | 23.36                     | 24.5                   | 1.0         |  |
| 20              | 64QAM      | 1       | 1         | 22.12                    | 22.12                       | 21.99                     |                        |             |  |
| 20              | 256QAM     | 1       | 1         | 20.37                    | 20.39                       | 20.25                     |                        |             |  |
| 20              | 256QAM     | 1       | 1         | 20.37                    | 20.39                       | 20.25                     |                        |             |  |
| Channel         |            |         |           | 166300                   | 167300                      | 168300                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 831.5                    | 836.5                       | 841.5                     |                        |             |  |
| 15              | QPSK       | 1       | 1         | 23.93                    | 24.04                       | 24.01                     | 25.5                   | 0.0         |  |
| Channel         |            |         |           | 166800                   | 167300                      | 168300                    |                        |             |  |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       |                        |             |  |
| 10              | QPSK       | 1       | 1         | 23.97                    | 24.11                       | 24.08                     |                        |             |  |

| n7 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 24.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 1         | 22.88                 | 22.99                    | 22.95                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 67        | 22.76                 | 22.83                    | 22.83                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 131       | 22.56                 | 22.57                    | 22.58                  | 24.0                | 0.5      |  |
| 50              | PI/2 BPSK  | 64      | 0         | 22.56                 | 22.59                    | 22.54                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 35        | 22.77                 | 22.92                    | 22.86                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 69        | 22.08                 | 22.14                    | 22.08                  |                     |          |  |
| 50              | PI/2 BPSK  | 128     | 0         | 22.29                 | 22.41                    | 22.38                  | 24.0                | 0.5      |  |
| 50              | QPSK       | 1       | 1         | 22.98                 | 23.05                    | 22.91                  |                     |          |  |
| 50              | QPSK       | 1       | 67        | 22.75                 | 22.87                    | 22.83                  |                     |          |  |
| 50              | QPSK       | 1       | 131       | 22.54                 | 22.53                    | 22.57                  |                     |          |  |
| 50              | QPSK       | 64      | 0         | 22.00                 | 22.11                    | 22.08                  | 23.5                | 1.0      |  |
| 50              | QPSK       | 64      | 35        | 22.91                 | 22.97                    | 22.93                  |                     |          |  |
| 50              | QPSK       | 64      | 69        | 21.71                 | 21.74                    | 21.69                  |                     |          |  |
| 50              | QPSK       | 128     | 0         | 21.80                 | 21.90                    | 21.89                  |                     |          |  |
| 50              | 16QAM      | 1       | 1         | 21.81                 | 21.87                    | 21.80                  | 23.5                | 1.0      |  |
| 50              | 64QAM      | 1       | 1         | 20.34                 | 20.36                    | 20.33                  |                     |          |  |
| 50              | 256QAM     | 1       | 1         | 18.92                 | 18.94                    | 18.83                  |                     |          |  |
| 50              | 500000     | 1       | 1         | 18.92                 | 18.94                    | 18.83                  |                     |          |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 22.78                 | 22.93                    | 22.88                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.82                 | 22.89                    | 22.87                  |                     |          |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | 24.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 22.74                 | 22.88                    | 22.97                  |                     |          |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 24.5                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.80                 | 22.92                    | 22.94                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.78                 | 22.89                    | 22.96                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.80                 | 23.00                    | 22.96                  |                     |          |  |

| n38 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 518004                | 519000                   | 519996                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 1         | 22.53                 | 22.56                    | 22.52                  |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 53        | 22.91                 | 22.97                    | 22.94                  | 24.0                | 0.5      |  |
| 40               | PI/2 BPSK  | 1       | 104       | 22.52                 | 22.54                    | 22.51                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 0         | 22.34                 | 22.38                    | 22.31                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 28        | 22.82                 | 22.94                    | 22.82                  | 24.0                | 0.5      |  |
| 40               | PI/2 BPSK  | 50      | 56        | 22.18                 | 22.32                    | 22.26                  |                     |          |  |
| 40               | PI/2 BPSK  | 100     | 0         | 22.23                 | 22.37                    | 22.33                  |                     |          |  |
| 40               | QPSK       | 1       | 1         | 22.56                 | 22.58                    | 22.54                  | 24.5                | 0.0      |  |
| 40               | QPSK       | 1       | 53        | 22.88                 | 23.02                    | 22.97                  |                     |          |  |
| 40               | QPSK       | 1       | 104       | 22.55                 | 22.53                    | 22.51                  |                     |          |  |
| 40               | QPSK       | 50      | 0         | 21.74                 | 21.87                    | 21.76                  | 23.5                | 1.0      |  |
| 40               | QPSK       | 50      | 28        | 22.90                 | 22.98                    | 22.91                  |                     |          |  |
| 40               | QPSK       | 50      | 56        | 21.75                 | 21.82                    | 21.67                  |                     |          |  |
| 40               | QPSK       | 100     | 0         | 21.77                 | 21.85                    | 21.75                  | 23.5                | 1.0      |  |
| 40               | 16QAM      | 1       | 1         | 21.53                 | 21.61                    | 21.56                  |                     |          |  |
| 40               | 64QAM      | 1       | 1         | 20.18                 | 20.29                    | 20.26                  |                     | 22.0     |  |
| 40               | 256QAM     | 1       | 1         | 18.36                 | 18.42                    | 18.31                  |                     |          |  |
| Channel          |            |         |           | 517002                | 519000                   | 520998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2585.01               | 2595                     | 2604.99                |                     |          |  |
| 30               | QPSK       | 1       | 1         | 22.55                 | 22.52                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 516504                | 519000                   | 521496                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2582.52               | 2595                     | 2607.48                |                     |          |  |
| 25               | QPSK       | 1       | 1         | 22.61                 | 22.54                    | 22.51                  |                     |          |  |
| Channel          |            |         |           | 516000                | 519000                   | 522000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20               | QPSK       | 1       | 1         | 22.52                 | 22.56                    | 22.54                  |                     |          |  |
| Channel          |            |         |           | 515502                | 519000                   | 522498                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |  |
| 15               | QPSK       | 1       | 1         | 22.57                 | 22.51                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 515004                | 519000                   | 522996                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |  |
| 10               | QPSK       | 1       | 1         | 22.51                 | 22.52                    | 22.60                  |                     |          |  |

| n41 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 509202                | 518598                   | 528000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 1         | 22.52                 | 22.56                    | 22.51                  |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 137       | 22.94                 | 23.05                    | 23.00                  | 24.0                | 0.5      |  |
| 100              | PI/2 BPSK  | 1       | 271       | 22.58                 | 22.54                    | 22.55                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 0         | 22.35                 | 22.42                    | 22.38                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 69        | 22.92                 | 23.00                    | 22.93                  | 24.0                | 0.5      |  |
| 100              | PI/2 BPSK  | 135     | 138       | 22.17                 | 22.30                    | 22.22                  |                     |          |  |
| 100              | PI/2 BPSK  | 270     | 0         | 22.35                 | 22.39                    | 22.26                  |                     |          |  |
| 100              | QPSK       | 1       | 1         | 22.56                 | 22.63                    | 22.51                  | 24.5                | 0.0      |  |
| 100              | QPSK       | 1       | 137       | 22.97                 | 23.11                    | 23.05                  |                     |          |  |
| 100              | QPSK       | 1       | 271       | 22.54                 | 22.51                    | 22.52                  |                     |          |  |
| 100              | QPSK       | 135     | 0         | 21.82                 | 21.92                    | 21.87                  | 23.5                | 1.0      |  |
| 100              | QPSK       | 135     | 69        | 22.97                 | 23.08                    | 23.05                  |                     |          |  |
| 100              | QPSK       | 135     | 138       | 21.78                 | 21.83                    | 21.82                  |                     |          |  |
| 100              | QPSK       | 270     | 0         | 21.86                 | 21.88                    | 21.86                  | 23.5                | 1.0      |  |
| 100              | 16QAM      | 1       | 1         | 21.59                 | 21.52                    | 21.56                  |                     |          |  |
| 100              | 64QAM      | 1       | 1         | 20.06                 | 20.10                    | 20.01                  |                     | 22.0     |  |
| 100              | 256QAM     | 1       | 1         | 18.06                 | 18.11                    | 18.03                  |                     |          |  |
| Channel          |            |         |           | 508200                | 518598                   | 528998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |  |
| 90               | QPSK       | 1       | 1         | 22.55                 | 22.60                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 507204                | 518598                   | 529998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2536.02               | 2592.99                  | 2640.99                |                     |          |  |
| 80               | QPSK       | 1       | 1         | 22.61                 | 22.62                    | 22.54                  |                     |          |  |
| Channel          |            |         |           | 506202                | 518598                   | 531000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |  |
| 70               | QPSK       | 1       | 1         | 22.64                 | 22.64                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 505200                | 518598                   | 531998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |  |
| 60               | QPSK       | 1       | 1         | 22.59                 | 22.66                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 504204                | 518598                   | 532998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |  |
| 50               | QPSK       | 1       | 1         | 22.55                 | 22.72                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 503202                | 518598                   | 534000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |  |
| 40               | QPSK       | 1       | 1         | 22.64                 | 22.61                    | 22.47                  |                     |          |  |
| Channel          |            |         |           | 502200                | 518598                   | 534998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |  |
| 30               | QPSK       | 1       | 1         | 22.54                 | 22.71                    | 22.58                  |                     |          |  |
| Channel          |            |         |           | 501204                | 518598                   | 535998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2506.02               | 2592.99                  | 2670.99                |                     |          |  |
| 20               | QPSK       | 1       | 1         | 22.55                 | 22.68                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 500200                | 518598                   | 536998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |  |
| 15               | QPSK       | 1       | 1         | 22.51                 | 22.73                    | 22.47                  |                     |          |  |
| Channel          |            |         |           | 500202                | 518598                   | 537000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |  |
| 10               | QPSK       | 1       | 1         | 22.63                 | 22.59                    | 22.51                  |                     |          |  |

| n5 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 834                   | 836.5                    | 839                    | 25.7                | 0.0      |  |
| Frequency (MHz) |            |         |           | 166800                | 167300                   | 167800                 |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.01                 | 24.11                    | 24.06                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 23.89                 | 24.00                    | 23.90                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 24.00                 | 24.07                    | 23.99                  | 25.2                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.58                 | 23.68                    | 23.57                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 13        | 23.91                 | 24.04                    | 23.91                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 26        | 23.72                 | 23.81                    | 23.77                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.67                 | 23.71                    | 23.65                  | 25.7                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 24.06                 | 24.13                    | 23.99                  |                     |          |  |
| 20              | QPSK       | 1       | 26        | 23.95                 | 24.06                    | 24.00                  |                     |          |  |
| 20              | QPSK       | 1       | 49        | 23.96                 | 24.08                    | 24.02                  |                     |          |  |
| 20              | QPSK       | 25      | 0         | 23.00                 | 23.07                    | 23.00                  | 24.7                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 24.04                 | 24.12                    | 24.01                  | 25.7                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 23.09                 | 23.21                    | 23.12                  | 24.7                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 23.16                 | 23.20                    | 23.08                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.90                 | 22.93                    | 22.81                  | 24.7                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.41                 | 21.51                    | 21.39                  | 23.2                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 19.69                 | 19.77                    | 19.69                  | 21.2                | 4.5      |  |
| Channel         |            |         |           | 166800                | 167300                   | 168300                 | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | (dBm)               | (dB)     |  |
| 15              | QPSK       | 1       | 1         | 23.96                 | 24.09                    | 23.90                  | 25.7                | 0.0      |  |
| Channel         |            |         |           | 166800                | 167300                   | 168300                 | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    | (dBm)               | (dB)     |  |
| 10              | QPSK       | 1       | 1         | 23.93                 | 24.05                    | 23.93                  | 25.7                | 0.0      |  |

| n7 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2525                  | 2536                     | 2545                   |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 1         | 23.77                 | 23.91                    | 23.78                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 67        | 23.58                 | 23.71                    | 23.63                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 131       | 23.63                 | 23.67                    | 23.58                  | 24.5                | 0.5      |  |
| 50              | PI/2 BPSK  | 64      | 0         | 23.31                 | 23.41                    | 23.35                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 35        | 23.72                 | 23.82                    | 23.77                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 69        | 22.92                 | 22.95                    | 22.91                  |                     |          |  |
| 50              | PI/2 BPSK  | 128     | 0         | 23.13                 | 23.20                    | 23.08                  | 25.0                | 0.0      |  |
| 50              | QPSK       | 1       | 1         | 23.94                 | 23.97                    | 23.84                  |                     |          |  |
| 50              | QPSK       | 1       | 67        | 23.59                 | 23.65                    | 23.53                  |                     |          |  |
| 50              | QPSK       | 1       | 131       | 23.49                 | 23.56                    | 23.43                  |                     |          |  |
| 50              | QPSK       | 64      | 0         | 22.88                 | 23.02                    | 22.95                  | 24.0                | 1.0      |  |
| 50              | QPSK       | 64      | 35        | 23.81                 | 23.85                    | 23.71                  | 25.0                | 0.0      |  |
| 50              | QPSK       | 64      | 69        | 22.45                 | 22.56                    | 22.44                  | 24.0                | 1.0      |  |
| 50              | QPSK       | 128     | 0         | 22.62                 | 22.73                    | 22.61                  |                     |          |  |
| 50              | 16QAM      | 1       | 1         | 22.66                 | 22.71                    | 22.67                  | 24.0                | 1.0      |  |
| 50              | 64QAM      | 1       | 1         | 21.14                 | 21.23                    | 21.16                  | 22.5                | 2.5      |  |
| 50              | 256QAM     | 1       | 1         | 19.66                 | 19.80                    | 19.68                  | 20.5                | 4.5      |  |
| Channel         |            |         |           | 505000                | 507000                   | 510000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2536                     | 2550                   | (dBm)               | (dB)     |  |
| 40              | QPSK       | 1       | 1         | 23.91                 | 23.83                    | 23.73                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2515                  | 2536                     | 2555                   | (dBm)               | (dB)     |  |
| 30              | QPSK       | 1       | 1         | 23.86                 | 23.90                    | 23.78                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2536                     | 2557.5                 | (dBm)               | (dB)     |  |
| 25              | QPSK       | 1       | 1         | 23.85                 | 23.87                    | 23.71                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2510                  | 2536                     | 2560                   | (dBm)               | (dB)     |  |
| 20              | QPSK       | 1       | 1         | 23.84                 | 23.88                    | 23.73                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2536                     | 2562.5                 | (dBm)               | (dB)     |  |
| 15              | QPSK       | 1       | 1         | 23.85                 | 23.87                    | 23.73                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz) |            |         |           | 2505                  | 2536                     | 2565                   | (dBm)               | (dB)     |  |
| 10              | QPSK       | 1       | 1         | 23.79                 | 23.86                    | 23.80                  | 25.0                | 0.0      |  |

| n38 Ant1 Default |            |         |           |                         |                            |                          |                        |             |  |
|------------------|------------|---------|-----------|-------------------------|----------------------------|--------------------------|------------------------|-------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch / Freq. | Power Middle<br>Ch / Freq. | Power High<br>Ch / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel          |            |         |           | 518004                  | 519000                     | 519996                   |                        |             |  |
| Frequency (MHz)  |            |         |           | 2690.02                 | 2695                       | 2699.98                  |                        |             |  |
| 40               | PI/2 BPSK  | 1       | 1         | 23.58                   | 23.52                      | 23.57                    | 25.5                   | 0.0         |  |
| 40               | PI/2 BPSK  | 1       | 53        | 24.05                   | 24.15                      | 24.03                    |                        |             |  |
| 40               | PI/2 BPSK  | 1       | 104       | 23.59                   | 23.51                      | 23.56                    |                        |             |  |
| 40               | PI/2 BPSK  | 50      | 0         | 23.77                   | 23.91                      | 23.86                    | 25.0                   | 0.5         |  |
| 40               | PI/2 BPSK  | 50      | 28        | 24.33                   | 24.37                      | 24.30                    | 25.5                   | 0.0         |  |
| 40               | PI/2 BPSK  | 50      | 56        | 23.84                   | 23.98                      | 23.90                    | 25.0                   | 0.5         |  |
| 40               | PI/2 BPSK  | 100     | 0         | 23.85                   | 23.93                      | 23.80                    |                        |             |  |
| 40               | QPSK       | 1       | 1         | 23.53                   | 23.56                      | 23.54                    | 25.5                   | 0.0         |  |
| 40               | QPSK       | 1       | 53        | 24.38                   | 24.45                      | 24.31                    |                        |             |  |
| 40               | QPSK       | 1       | 104       | 23.56                   | 23.53                      | 23.57                    |                        |             |  |
| 40               | QPSK       | 50      | 0         | 23.28                   | 23.37                      | 23.33                    | 24.5                   | 1.0         |  |
| 40               | QPSK       | 50      | 28        | 24.25                   | 24.35                      | 24.20                    | 25.5                   | 0.0         |  |
| 40               | QPSK       | 50      | 56        | 23.35                   | 23.38                      | 23.30                    | 24.5                   | 1.0         |  |
| 40               | QPSK       | 100     | 0         | 23.36                   | 23.43                      | 23.35                    |                        |             |  |
| 40               | 16QAM      | 1       | 1         | 22.51                   | 22.55                      | 22.56                    | 24.5                   | 1.0         |  |
| 40               | 64QAM      | 1       | 1         | 21.01                   | 21.09                      | 21.11                    | 23.0                   | 2.5         |  |
| 40               | 256QAM     | 1       | 1         | 19.93                   | 19.97                      | 19.89                    | 21.0                   | 4.5         |  |
| Channel          |            |         |           | 517002                  | 519000                     | 520998                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2635.01                 | 2695                       | 2694.99                  |                        |             |  |
| 30               | QPSK       | 1       | 1         | 23.54                   | 23.59                      | 23.56                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 516504                  | 519000                     | 521496                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2682.52                 | 2695                       | 2697.48                  |                        |             |  |
| 25               | QPSK       | 1       | 1         | 23.52                   | 23.57                      | 23.51                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 516000                  | 519000                     | 522000                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2580                    | 2595                       | 2610                     |                        |             |  |
| 20               | QPSK       | 1       | 1         | 23.54                   | 23.58                      | 23.55                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 515502                  | 519000                     | 522498                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2577.51                 | 2595                       | 2612.49                  |                        |             |  |
| 15               | QPSK       | 1       | 1         | 23.57                   | 23.53                      | 23.52                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 515004                  | 519000                     | 522996                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2575.02                 | 2595                       | 2614.98                  |                        |             |  |
| 10               | QPSK       | 1       | 1         | 23.55                   | 23.51                      | 23.56                    | 25.5                   | 0.0         |  |

| n41 Ant1 Default |            |         |           |                         |                            |                          |                        |             |  |
|------------------|------------|---------|-----------|-------------------------|----------------------------|--------------------------|------------------------|-------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch / Freq. | Power Middle<br>Ch / Freq. | Power High<br>Ch / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel          |            |         |           | 509202                  | 518598                     | 528000                   |                        |             |  |
| Frequency (MHz)  |            |         |           | 2546.01                 | 2592.99                    | 2640                     |                        |             |  |
| 100              | PI/2 BPSK  | 1       | 1         | 23.61                   | 23.53                      | 23.56                    | 25.5                   | 0.0         |  |
| 100              | PI/2 BPSK  | 1       | 137       | 24.27                   | 24.34                      | 24.26                    |                        |             |  |
| 100              | PI/2 BPSK  | 1       | 271       | 23.51                   | 23.60                      | 23.58                    |                        |             |  |
| 100              | PI/2 BPSK  | 135     | 0         | 23.52                   | 23.65                      | 23.55                    | 25.0                   | 0.5         |  |
| 100              | PI/2 BPSK  | 135     | 69        | 24.20                   | 24.29                      | 24.25                    | 25.5                   | 0.0         |  |
| 100              | PI/2 BPSK  | 135     | 138       | 23.70                   | 23.70                      | 23.64                    | 25.0                   | 0.5         |  |
| 100              | PI/2 BPSK  | 270     | 0         | 23.64                   | 23.69                      | 23.66                    |                        |             |  |
| 100              | QPSK       | 1       | 1         | 23.54                   | 23.58                      | 23.51                    | 25.5                   | 0.0         |  |
| 100              | QPSK       | 1       | 137       | 24.38                   | 24.39                      | 24.26                    |                        |             |  |
| 100              | QPSK       | 1       | 271       | 23.65                   | 23.66                      | 23.56                    |                        |             |  |
| 100              | QPSK       | 135     | 0         | 23.02                   | 23.13                      | 23.09                    | 24.5                   | 1.0         |  |
| 100              | QPSK       | 135     | 69        | 24.30                   | 24.34                      | 24.25                    | 25.5                   | 0.0         |  |
| 100              | QPSK       | 135     | 138       | 23.13                   | 23.18                      | 23.06                    | 24.5                   | 1.0         |  |
| 100              | QPSK       | 270     | 0         | 23.15                   | 23.20                      | 23.18                    |                        |             |  |
| 100              | 16QAM      | 1       | 1         | 22.56                   | 22.64                      | 22.51                    | 24.5                   | 1.0         |  |
| 100              | 64QAM      | 1       | 1         | 21.05                   | 21.16                      | 21.12                    | 23.0                   | 2.5         |  |
| 100              | 256QAM     | 1       | 1         | 19.17                   | 19.31                      | 19.23                    | 21.0                   | 4.5         |  |
| Channel          |            |         |           | 508200                  | 518598                     | 529998                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2541                    | 2592.99                    | 2644.98                  |                        |             |  |
| 90               | QPSK       | 1       | 1         | 23.52                   | 23.61                      | 23.64                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 507204                  | 518598                     | 529998                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2536.02                 | 2592.99                    | 2649.99                  |                        |             |  |
| 80               | QPSK       | 1       | 1         | 23.55                   | 23.68                      | 23.55                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 506202                  | 518598                     | 531000                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2531.01                 | 2592.99                    | 2655                     |                        |             |  |
| 70               | QPSK       | 1       | 1         | 23.56                   | 23.62                      | 23.54                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 505200                  | 518598                     | 531996                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2526                    | 2592.99                    | 2659.98                  |                        |             |  |
| 60               | QPSK       | 1       | 1         | 23.58                   | 23.65                      | 23.64                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 504204                  | 518598                     | 532998                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2521.02                 | 2592.99                    | 2664.99                  |                        |             |  |
| 50               | QPSK       | 1       | 1         | 23.57                   | 23.64                      | 23.54                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 503202                  | 518598                     | 534000                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2516.01                 | 2592.99                    | 2670                     |                        |             |  |
| 40               | QPSK       | 1       | 1         | 23.58                   | 23.60                      | 23.62                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 502200                  | 518598                     | 534996                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2511                    | 2592.99                    | 2674.98                  |                        |             |  |
| 30               | QPSK       | 1       | 1         | 23.51                   | 23.65                      | 23.52                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 501204                  | 518598                     | 535998                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2506.02                 | 2592.99                    | 2679.99                  |                        |             |  |
| 20               | QPSK       | 1       | 1         | 23.63                   | 23.59                      | 23.53                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 500700                  | 518598                     | 536996                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2503.5                  | 2592.99                    | 2682.48                  |                        |             |  |
| 15               | QPSK       | 1       | 1         | 23.52                   | 23.68                      | 23.64                    | 25.5                   | 0.0         |  |
| Channel          |            |         |           | 500202                  | 518598                     | 537000                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)  |            |         |           | 2501.01                 | 2592.99                    | 2685                     |                        |             |  |
| 10               | QPSK       | 1       | 1         | 23.55                   | 23.71                      | 23.55                    | 25.5                   | 0.0         |  |

| n7 Ant2 Default |            |         |           |                      |                         |                       |                     |          |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000               | 507000                  | 509000                | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                 | 2535                    | 2545                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 22.58                | 22.61                   | 22.56                 | 24.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 67        | 22.54                | 22.62                   | 22.54                 |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 22.51                | 22.57                   | 22.53                 |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 22.12                | 22.23                   | 22.10                 | 23.5                | 0.5      |
| 50              | PI/2 BPSK  | 64      | 35        | 22.58                | 22.67                   | 22.56                 | 24.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 22.01                | 22.11                   | 22.06                 | 23.5                | 0.5      |
| 50              | PI/2 BPSK  | 128     | 0         | 22.04                | 22.06                   | 22.03                 |                     |          |
| 50              | QPSK       | 1       | 1         | 22.60                | 22.68                   | 22.60                 | 24.0                | 0.0      |
| 50              | QPSK       | 1       | 67        | 22.61                | 22.61                   | 22.58                 |                     |          |
| 50              | QPSK       | 1       | 131       | 22.51                | 22.52                   | 22.54                 |                     |          |
| 50              | QPSK       | 64      | 0         | 21.68                | 21.78                   | 21.63                 | 23.0                | 1.0      |
| 50              | QPSK       | 64      | 35        | 22.59                | 22.66                   | 22.65                 | 24.0                | 0.0      |
| 50              | QPSK       | 64      | 69        | 21.56                | 21.53                   | 21.52                 | 23.0                | 1.0      |
| 50              | QPSK       | 128     | 0         | 21.54                | 21.56                   | 21.55                 |                     |          |
| 50              | 16QAM      | 1       | 1         | 21.54                | 21.56                   | 21.52                 | 23.0                | 1.0      |
| 50              | 64QAM      | 1       | 1         | 20.07                | 20.15                   | 20.04                 | 21.5                | 2.5      |
| 50              | 256QAM     | 1       | 1         | 18.50                | 18.62                   | 18.50                 | 19.5                | 4.5      |
| Channel         |            |         |           | 505000               | 507000                  | 510000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2520                 | 2535                    | 2550                  |                     |          |
| 40              | QPSK       | 1       | 1         | 22.70                | 22.79                   | 22.81                 | 24.0                | 0.0      |
| Channel         |            |         |           | 503000               | 507000                  | 511000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                 | 2535                    | 2555                  |                     |          |
| 30              | QPSK       | 1       | 1         | 22.74                | 22.88                   | 22.77                 | 24.0                | 0.0      |
| Channel         |            |         |           | 502500               | 507000                  | 511500                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5               | 2535                    | 2557.5                |                     |          |
| 25              | QPSK       | 1       | 1         | 22.68                | 22.86                   | 22.78                 | 24.0                | 0.0      |
| Channel         |            |         |           | 502000               | 507000                  | 512000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                 | 2535                    | 2560                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.69                | 22.82                   | 22.73                 | 24.0                | 0.0      |
| Channel         |            |         |           | 501500               | 507000                  | 512500                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5               | 2535                    | 2562.5                |                     |          |
| 15              | QPSK       | 1       | 1         | 22.70                | 22.90                   | 22.85                 | 24.0                | 0.0      |
| Channel         |            |         |           | 501000               | 507000                  | 513000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                 | 2535                    | 2565                  |                     |          |
| 10              | QPSK       | 1       | 1         | 22.76                | 22.88                   | 22.82                 | 24.0                | 0.0      |



| n38 Ant2 Default |            |         |           |                       |                          |                        |                     |                     |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel          |            |         |           | 519004                | 519000                   | 519996                 | 25.0                | 0.0                 |  |
| Frequency (MHz)  |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |                     |  |
| 40               | PI2 BPSK   | 1       | 1         | 23.03                 | 23.09                    | 23.01                  |                     |                     |  |
| 40               | PI2 BPSK   | 1       | 53        | 23.14                 | 23.21                    | 23.15                  |                     |                     |  |
| 40               | PI2 BPSK   | 1       | 104       | 23.02                 | 23.06                    | 23.05                  | 24.5                | 0.5                 |  |
| 40               | PI2 BPSK   | 50      | 0         | 22.66                 | 22.68                    | 22.65                  |                     |                     |  |
| 40               | PI2 BPSK   | 50      | 28        | 23.13                 | 23.18                    | 23.14                  |                     |                     |  |
| 40               | PI2 BPSK   | 50      | 56        | 22.70                 | 22.69                    | 22.68                  |                     |                     |  |
| 40               | PI2 BPSK   | 100     | 0         | 22.71                 | 22.72                    | 22.70                  | 25.0                | 0.0                 |  |
| 40               | QPSK       | 1       | 1         | 23.06                 | 23.02                    | 23.01                  |                     |                     |  |
| 40               | QPSK       | 1       | 53        | 23.14                 | 23.25                    | 23.19                  |                     |                     |  |
| 40               | QPSK       | 1       | 104       | 23.02                 | 23.04                    | 23.05                  |                     |                     |  |
| 40               | QPSK       | 50      | 0         | 22.19                 | 22.24                    | 22.16                  | 24.0                | 1.0                 |  |
| 40               | QPSK       | 50      | 28        | 23.17                 | 23.25                    | 23.18                  |                     |                     |  |
| 40               | QPSK       | 50      | 56        | 22.18                 | 22.14                    | 22.23                  |                     |                     |  |
| 40               | QPSK       | 100     | 0         | 22.18                 | 22.21                    | 22.13                  |                     |                     |  |
| 40               | 16QAM      | 1       | 1         | 22.08                 | 22.11                    | 22.02                  | 24.0                | 1.0                 |  |
| 40               | 64QAM      | 1       | 1         | 20.95                 | 20.62                    | 20.53                  |                     |                     |  |
| 40               | 256QAM     | 1       | 1         | 18.71                 | 18.73                    | 18.66                  |                     |                     |  |
| Channel          |            |         |           | 517052                | 519000                   | 520996                 |                     | 20.5                |  |
| Frequency (MHz)  |            |         |           | 2585.01               | 2595                     | 2604.99                |                     |                     |  |
| 30               | QPSK       | 1       | 1         | 23.09                 | 23.01                    | 23.02                  |                     |                     |  |
| Channel          |            |         |           | 516504                | 519000                   | 521496                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz)  |            |         |           | 2592.52               | 2595                     | 2607.48                |                     |                     |  |
| 25               | QPSK       | 1       | 1         | 23.09                 | 23.03                    | 23.11                  |                     | 25.0                |  |
| Channel          |            |         |           | 519000                | 519000                   | 522000                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2590                  | 2595                     | 2610                   |                     |                     |  |
| 20               | QPSK       | 1       | 1         | 23.10                 | 23.03                    | 23.06                  |                     | 25.0                |  |
| Channel          |            |         |           | 515502                | 519000                   | 522498                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2617.51               | 2595                     | 2612.49                |                     |                     |  |
| 15               | QPSK       | 1       | 1         | 23.01                 | 23.04                    | 23.09                  |                     | 25.0                |  |
| Channel          |            |         |           | 515004                | 519000                   | 522996                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |                     |  |
| 10               | QPSK       | 1       | 1         | 23.03                 | 23.02                    | 23.06                  |                     | 25.0                |  |

| n41 Ant2 Default |            |         |           |                       |                          |                        |                     |                     |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel          |            |         |           | 560002                | 518598                   | 526000                 | 24.5                | 0.0                 |  |
| Frequency (MHz)  |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |                     |  |
| 100              | PI2 BPSK   | 1       | 1         | 23.04                 | 23.05                    | 23.03                  |                     |                     |  |
| 100              | PI2 BPSK   | 1       | 137       | 23.16                 | 23.25                    | 23.19                  |                     |                     |  |
| 100              | PI2 BPSK   | 1       | 271       | 23.02                 | 23.09                    | 23.04                  | 24.0                | 0.5                 |  |
| 100              | PI2 BPSK   | 135     | 0         | 22.67                 | 22.70                    | 22.66                  |                     |                     |  |
| 100              | PI2 BPSK   | 135     | 69        | 23.19                 | 23.24                    | 23.16                  |                     |                     |  |
| 100              | PI2 BPSK   | 135     | 138       | 22.64                 | 22.68                    | 22.67                  |                     |                     |  |
| 100              | PI2 BPSK   | 270     | 0         | 22.68                 | 22.71                    | 22.66                  | 24.5                | 0.0                 |  |
| 100              | QPSK       | 1       | 1         | 23.03                 | 23.09                    | 23.05                  |                     |                     |  |
| 100              | QPSK       | 1       | 137       | 23.25                 | 23.31                    | 23.19                  |                     |                     |  |
| 100              | QPSK       | 1       | 271       | 23.02                 | 23.08                    | 23.03                  |                     |                     |  |
| 100              | QPSK       | 135     | 0         | 22.15                 | 22.29                    | 22.18                  | 23.5                | 1.0                 |  |
| 100              | QPSK       | 135     | 69        | 23.22                 | 23.25                    | 23.16                  |                     |                     |  |
| 100              | QPSK       | 135     | 138       | 22.14                 | 22.22                    | 22.19                  |                     |                     |  |
| 100              | QPSK       | 270     | 0         | 22.19                 | 22.26                    | 22.24                  |                     |                     |  |
| 100              | 16QAM      | 1       | 1         | 22.08                 | 22.14                    | 22.09                  | 23.5                | 1.0                 |  |
| 100              | 64QAM      | 1       | 1         | 20.59                 | 20.66                    | 20.55                  |                     |                     |  |
| 100              | 256QAM     | 1       | 1         | 18.69                 | 18.99                    | 18.95                  |                     |                     |  |
| Channel          |            |         |           | 560003                | 518598                   | 526000                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz)  |            |         |           | 2541                  | 2592.99                  | 2644.99                |                     |                     |  |
| 90               | QPSK       | 1       | 1         | 23.06                 | 23.02                    | 23.07                  |                     | 24.5                |  |
| Channel          |            |         |           | 507204                | 518598                   | 529998                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2536.02               | 2592.99                  | 2648.99                |                     |                     |  |
| 80               | QPSK       | 1       | 1         | 23.07                 | 23.01                    | 23.11                  |                     | 24.5                |  |
| Channel          |            |         |           | 506002                | 518598                   | 531000                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |                     |  |
| 70               | QPSK       | 1       | 1         | 23.05                 | 23.02                    | 23.09                  |                     | 24.5                |  |
| Channel          |            |         |           | 505000                | 518598                   | 531998                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2526                  | 2592.99                  | 2654.98                |                     |                     |  |
| 60               | QPSK       | 1       | 1         | 23.08                 | 23.06                    | 23.06                  |                     | 24.5                |  |
| Channel          |            |         |           | 504004                | 518598                   | 532998                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2521.02               | 2592.99                  | 2654.99                |                     |                     |  |
| 50               | QPSK       | 1       | 1         | 23.06                 | 23.01                    | 23.08                  |                     | 24.5                |  |
| Channel          |            |         |           | 502002                | 518598                   | 534000                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |                     |  |
| 40               | QPSK       | 1       | 1         | 23.02                 | 23.08                    | 23.04                  |                     | 24.5                |  |
| Channel          |            |         |           | 502000                | 518598                   | 534998                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2511                  | 2592.99                  | 2674.99                |                     |                     |  |
| 30               | QPSK       | 1       | 1         | 23.05                 | 23.04                    | 23.10                  |                     | 24.5                |  |
| Channel          |            |         |           | 501204                | 518598                   | 535998                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2506.02               | 2592.99                  | 2678.99                |                     |                     |  |
| 20               | QPSK       | 1       | 1         | 23.03                 | 23.09                    | 23.06                  |                     | 24.5                |  |
| Channel          |            |         |           | 500700                | 518598                   | 536998                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2501.5                | 2592.99                  | 2683.48                |                     |                     |  |
| 15               | QPSK       | 1       | 1         | 23.05                 | 23.01                    | 23.11                  |                     | 24.5                |  |
| Channel          |            |         |           | 500002                | 518598                   | 537000                 |                     |                     |  |
| Frequency (MHz)  |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |                     |  |
| 10               | QPSK       | 1       | 1         | 23.01                 | 23.08                    | 23.04                  |                     | 24.5                |  |

| Par270 n77 Ant2 Default |            |         |           |                       |                          |                        |                     |                     |  |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel                 |            |         |           | 650000                | 650000                   | 650000                 | 24.0                | 0.0                 |  |
| Frequency (MHz)         |            |         |           | 3750                  | 3840                     | 3930                   |                     |                     |  |
| 100                     | PI2 BPSK   | 1       | 1         | 22.29                 | 22.40                    | 22.27                  |                     |                     |  |
| 100                     | PI2 BPSK   | 1       | 137       | 22.84                 | 22.96                    | 22.88                  |                     |                     |  |
| 100                     | PI2 BPSK   | 1       | 271       | 22.16                 | 22.27                    | 22.18                  | 23.5                | 0.5                 |  |
| 100                     | PI2 BPSK   | 135     | 0         | 22.35                 | 22.46                    | 22.39                  |                     |                     |  |
| 100                     | PI2 BPSK   | 135     | 69        | 22.79                 | 22.84                    | 22.81                  |                     |                     |  |
| 100                     | PI2 BPSK   | 135     | 138       | 22.28                 | 22.35                    | 22.26                  |                     |                     |  |
| 100                     | PI2 BPSK   | 270     | 0         | 22.33                 | 22.39                    | 22.29                  | 24.0                | 0.0                 |  |
| 100                     | QPSK       | 1       | 1         | 22.36                 | 22.46                    | 22.41                  |                     |                     |  |
| 100                     | QPSK       | 1       | 137       | 22.86                 | 22.95                    | 22.92                  |                     |                     |  |
| 100                     | QPSK       | 1       | 271       | 22.23                 | 22.34                    | 22.22                  |                     |                     |  |
| 100                     | QPSK       | 135     | 0         | 21.73                 | 21.84                    | 21.77                  | 23.0                | 1.0                 |  |
| 100                     | QPSK       | 135     | 69        | 22.76                 | 22.91                    | 22.88                  |                     |                     |  |
| 100                     | QPSK       | 135     | 138       | 21.75                 | 21.79                    | 21.68                  |                     |                     |  |
| 100                     | QPSK       | 270     | 0         | 21.81                 | 21.85                    | 21.80                  |                     |                     |  |
| 100                     | 16QAM      | 1       | 1         | 21.57                 | 21.55                    | 21.41                  | 23.0                | 1.0                 |  |
| 100                     | 64QAM      | 1       | 1         | 20.15                 | 20.26                    | 20.13                  |                     |                     |  |
| 100                     | 256QAM     | 1       | 1         | 18.78                 | 18.83                    | 18.70                  |                     |                     |  |
| Channel                 |            |         |           | 649999                | 650000                   | 649334                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz)         |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |                     |  |
| 90                      | QPSK       | 1       | 1         | 22.34                 | 22.47                    | 22.42                  |                     | 24.0                |  |
| Channel                 |            |         |           | 649334                | 650000                   | 662668                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3740.02               | 3840                     | 3940.02                |                     |                     |  |
| 80                      | QPSK       | 1       | 1         | 22.35                 | 22.51                    | 22.33                  |                     | 24.0                |  |
| Channel                 |            |         |           | 649000                | 650000                   | 663000                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3735                  | 3840                     | 3945                   |                     |                     |  |
| 70                      | QPSK       | 1       | 1         | 22.31                 | 22.49                    | 22.47                  |                     | 24.0                |  |
| Channel                 |            |         |           | 648668                | 650000                   | 663334                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3730.24               | 3840                     | 3950.51                |                     |                     |  |
| 60                      | QPSK       | 1       | 1         | 22.38                 | 22.47                    | 22.43                  |                     | 24.0                |  |
| Channel                 |            |         |           | 648334                | 650000                   | 663668                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |                     |  |
| 50                      | QPSK       | 1       | 1         | 22.36                 | 22.50                    | 22.37                  | 24.0                |                     |  |
| Channel                 |            |         |           | 648000                | 650000                   | 664000                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3720                  | 3840                     | 3960                   |                     |                     |  |
| 40                      | QPSK       | 1       | 1         | 22.35                 | 22.48                    | 22.44                  | 24.0                |                     |  |
| Channel                 |            |         |           | 647668                | 650000                   | 664334                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |                     |  |
| 30                      | QPSK       | 1       | 1         | 22.37                 | 22.43                    | 22.42                  | 24.0                |                     |  |
| Channel                 |            |         |           | 647334                | 650000                   | 664668                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3710.24               | 3840                     | 3970.51                |                     |                     |  |
| 25                      | QPSK       | 1       | 1         | 22.31                 | 22.40                    | 22.48                  | 24.0                |                     |  |
| Channel                 |            |         |           | 647000                | 650000                   | 665000                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |                     |  |
| 20                      | QPSK       | 1       | 1         | 22.34                 | 22.42                    | 22.44                  | 24.0                |                     |  |
| Channel                 |            |         |           | 646668                | 650000                   | 664834                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |                     |  |
| 15                      | QPSK       | 1       | 1         | 22.34                 | 22.48                    | 22.47                  | 24.0                |                     |  |
| Channel                 |            |         |           | 646334                | 650000                   | 665168                 |                     |                     |  |
| Frequency (MHz)         |            |         |           | 3702.5                | 3840                     | 3976                   |                     |                     |  |
| 10                      | QPSK       | 1       | 1         | 22.41                 | 22.45                    | 22.39                  | 24.0                |                     |  |

| Part27Q n77 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                  |            |         |           | 63334                 |                          |                        |                     |          |  |
| Frequency (MHz)          |            |         |           | 3600.01               |                          |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 1         | 22.68                 |                          |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 137       | 23.29                 |                          |                        | 24.0                | 0.0      |  |
| 100                      | PV2 BPSK   | 1       | 271       | 22.73                 |                          |                        |                     |          |  |
| 100                      | PV2 BPSK   | 135     | 0         | 22.77                 |                          |                        | 23.5                | 0.5      |  |
| 100                      | PV2 BPSK   | 135     | 69        | 23.26                 |                          |                        | 24.0                | 0.0      |  |
| 100                      | PV2 BPSK   | 135     | 138       | 22.68                 |                          |                        | 23.5                | 0.5      |  |
| 100                      | PV2 BPSK   | 270     | 0         | 22.70                 |                          |                        |                     |          |  |
| 100                      | QPSK       | 1       | 1         | 22.71                 |                          |                        |                     |          |  |
| 100                      | QPSK       | 1       | 137       | 23.32                 |                          |                        | 24.0                | 0.0      |  |
| 100                      | QPSK       | 1       | 271       | 22.78                 |                          |                        |                     |          |  |
| 100                      | QPSK       | 135     | 0         | 22.13                 |                          |                        | 23.0                | 1.0      |  |
| 100                      | QPSK       | 135     | 69        | 23.29                 |                          |                        | 24.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 138       | 22.24                 |                          |                        | 23.0                | 1.0      |  |
| 100                      | QPSK       | 270     | 0         | 22.35                 |                          |                        |                     |          |  |
| 100                      | 16QAM      | 1       | 1         | 21.68                 |                          |                        | 23.0                | 1.0      |  |
| 100                      | 64QAM      | 1       | 1         | 20.21                 |                          |                        | 21.5                | 2.5      |  |
| 100                      | 256QAM     | 1       | 1         | 18.91                 |                          |                        | 19.5                | 4.5      |  |
| Channel                  |            |         |           | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3495                  | 3600.01                  | 3605.02                |                     |          |  |
| 90                       | QPSK       | 1       | 1         | 22.59                 | 22.59                    | 22.63                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63268                 | 63334                    | 63400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3490.02               | 3600.01                  | 3610                   |                     |          |  |
| 80                       | QPSK       | 1       | 1         | 22.52                 | 22.45                    | 22.49                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63234                 | 63334                    | 63434                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3485.01               | 3600.01                  | 3615.01                |                     |          |  |
| 70                       | QPSK       | 1       | 1         | 22.62                 | 22.53                    | 22.54                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63200                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3480                  | 3600.01                  | 3620.02                |                     |          |  |
| 60                       | QPSK       | 1       | 1         | 22.55                 | 22.65                    | 22.63                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63168                 | 63334                    | 63500                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3475.02               | 3600.01                  | 3625                   |                     |          |  |
| 50                       | QPSK       | 1       | 1         | 22.65                 | 22.61                    | 22.62                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63134                 | 63334                    | 63534                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3470.01               | 3600.01                  | 3630.01                |                     |          |  |
| 40                       | QPSK       | 1       | 1         | 22.51                 | 22.58                    | 22.65                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63100                 | 63334                    | 63568                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3465                  | 3600.01                  | 3635.02                |                     |          |  |
| 30                       | QPSK       | 1       | 1         | 22.64                 | 22.65                    | 22.63                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63068                 | 63334                    | 63634                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3460.51               | 3600.01                  | 3637.51                |                     |          |  |
| 25                       | QPSK       | 1       | 1         | 22.54                 | 22.62                    | 22.54                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63034                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3460.02               | 3600.01                  | 3640                   |                     |          |  |
| 20                       | QPSK       | 1       | 1         | 22.58                 | 22.53                    | 22.54                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63000                 | 63334                    | 63618                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3457.5                | 3600.01                  | 3642.52                |                     |          |  |
| 15                       | QPSK       | 1       | 1         | 22.57                 | 22.59                    | 22.59                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 63034                 | 63334                    | 63634                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3455.01               | 3600.01                  | 3645.01                |                     |          |  |
| 10                       | QPSK       | 1       | 1         | 22.55                 | 22.57                    | 22.64                  | 24.0                | 0.0      |  |

| Part27O n78 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                  |            |         |           | 65000                 |                          |                        |                     |          |  |
| Frequency (MHz)          |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 1         | 22.08                 |                          |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 137       | 22.17                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | PV2 BPSK   | 1       | 271       | 22.11                 |                          |                        |                     |          |  |
| 100                      | PV2 BPSK   | 135     | 0         | 22.12                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | PV2 BPSK   | 135     | 69        | 22.28                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | PV2 BPSK   | 135     | 138       | 22.18                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | PV2 BPSK   | 270     | 0         | 22.08                 |                          |                        |                     |          |  |
| 100                      | QPSK       | 1       | 1         | 22.12                 |                          |                        |                     |          |  |
| 100                      | QPSK       | 1       | 137       | 22.31                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | QPSK       | 1       | 271       | 22.14                 |                          |                        |                     |          |  |
| 100                      | QPSK       | 135     | 0         | 22.12                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 69        | 22.26                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 138       | 22.14                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | QPSK       | 270     | 0         | 22.12                 |                          |                        |                     |          |  |
| 100                      | 16QAM      | 1       | 1         | 22.09                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | 64QAM      | 1       | 1         | 22.03                 |                          |                        | 23.0                | 0.0      |  |
| 100                      | 256QAM     | 1       | 1         | 20.56                 |                          |                        | 21.5                | 1.5      |  |
| Channel                  |            |         |           | 64868                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                       | QPSK       | 1       | 1         | 22.06                 | 22.03                    | 22.04                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64934                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                       | QPSK       | 1       | 1         | 22.09                 | 22.12                    | 22.08                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64900                 | 65000                    | 65100                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                       | QPSK       | 1       | 1         | 22.04                 | 22.07                    | 22.09                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3730.02               | 3750                     | 3760.01                |                     |          |  |
| 60                       | QPSK       | 1       | 1         | 22.01                 | 22.11                    | 22.16                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64834                 | 65000                    | 65168                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                       | QPSK       | 1       | 1         | 22.08                 | 22.06                    | 22.08                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64800                 | 65000                    | 65200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                       | QPSK       | 1       | 1         | 22.05                 | 22.04                    | 22.08                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64768                 | 65000                    | 65234                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3715.02               | 3750                     | 3765.01                |                     |          |  |
| 30                       | QPSK       | 1       | 1         | 22.09                 | 22.02                    | 22.01                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64700                 | 65000                    | 65250                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3712.5                | 3750                     | 3767.5                 |                     |          |  |
| 25                       | QPSK       | 1       | 1         | 22.08                 | 22.03                    | 22.05                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64734                 | 65000                    | 65368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3710.01               | 3750                     | 3760.02                |                     |          |  |
| 20                       | QPSK       | 1       | 1         | 22.06                 | 22.10                    | 22.02                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64718                 | 65000                    | 65384                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3707.52               | 3750                     | 3762.51                |                     |          |  |
| 15                       | QPSK       | 1       | 1         | 22.08                 | 22.04                    | 22.06                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 64700                 | 65000                    | 65300                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                       | QPSK       | 1       | 1         | 22.06                 | 22.12                    | 22.10                  | 23.0                | 0.0      |  |

| Part270 n78 PC2 Ant2 Default |            |         |           |                       |                          |                        |                     |          |     |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                      |            |         |           | 65000                 | 65000                    | 65000                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |
| 100                          | Pv2 BPSK   | 1       | 1         | 25.03                 |                          |                        |                     |          |     |
| 100                          | Pv2 BPSK   | 1       | 137       | 25.28                 |                          |                        | 26.0                |          | 0.0 |
| 100                          | Pv2 BPSK   | 1       | 271       | 24.97                 |                          |                        |                     |          |     |
| 100                          | Pv2 BPSK   | 135     | 0         | 24.70                 |                          |                        | 25.5                |          | 0.5 |
| 100                          | Pv2 BPSK   | 135     | 69        | 25.24                 |                          |                        | 26.0                |          | 0.0 |
| 100                          | Pv2 BPSK   | 135     | 138       | 24.74                 |                          |                        | 25.5                |          | 0.5 |
| 100                          | Pv2 BPSK   | 270     | 0         | 24.68                 |                          |                        |                     |          |     |
| 100                          | QPSK       | 1       | 1         | 25.06                 |                          |                        |                     |          |     |
| 100                          | QPSK       | 1       | 137       | 25.31                 |                          |                        | 26.0                |          | 0.0 |
| 100                          | QPSK       | 1       | 271       | 24.94                 |                          |                        |                     |          |     |
| 100                          | QPSK       | 135     | 0         | 24.21                 |                          |                        | 25.0                |          | 1.0 |
| 100                          | QPSK       | 135     | 69        | 25.27                 |                          |                        | 26.0                |          | 0.0 |
| 100                          | QPSK       | 135     | 138       | 24.24                 |                          |                        | 25.0                |          | 1.0 |
| 100                          | QPSK       | 270     | 0         | 25.20                 |                          |                        |                     |          |     |
| 100                          | 16QAM      | 1       | 1         | 23.92                 |                          |                        | 25.0                |          | 1.0 |
| 100                          | 64QAM      | 1       | 1         | 22.38                 |                          |                        | 23.5                |          | 2.5 |
| 100                          | 256QAM     | 1       | 1         | 21.32                 |                          |                        | 21.5                |          | 4.5 |
| Channel                      |            |         |           | 64669                 | 65000                    | 65034                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3745.02               | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |     |
| 90                           | QPSK       | 1       | 1         | 25.08                 | 25.14                    | 25.07                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64634                 | 65000                    | 65066                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3740.01               | 3750                     | 3760.02                | Tune-up limit (dBm) | MPR (dB) |     |
| 80                           | QPSK       | 1       | 1         | 25.13                 | 25.12                    | 25.08                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64633                 | 65000                    | 65100                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3735                  | 3750                     | 3765                   | Tune-up limit (dBm) | MPR (dB) |     |
| 70                           | QPSK       | 1       | 1         | 25.07                 | 25.01                    | 25.11                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64669                 | 65000                    | 65134                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3740.02               | 3750                     | 3760.03                | Tune-up limit (dBm) | MPR (dB) |     |
| 60                           | QPSK       | 1       | 1         | 25.09                 | 25.11                    | 25.10                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64834                 | 65000                    | 65169                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3735.01               | 3750                     | 3775.02                | Tune-up limit (dBm) | MPR (dB) |     |
| 50                           | QPSK       | 1       | 1         | 25.06                 | 25.04                    | 25.01                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64900                 | 65000                    | 65200                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3720                  | 3750                     | 3790                   | Tune-up limit (dBm) | MPR (dB) |     |
| 40                           | QPSK       | 1       | 1         | 25.01                 | 25.08                    | 25.01                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64769                 | 65000                    | 65234                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3715.02               | 3760                     | 3785.03                | Tune-up limit (dBm) | MPR (dB) |     |
| 30                           | QPSK       | 1       | 1         | 25.00                 | 25.13                    | 25.07                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64700                 | 65000                    | 65250                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3712.5                | 3750                     | 3787.5                 | Tune-up limit (dBm) | MPR (dB) |     |
| 25                           | QPSK       | 1       | 1         | 25.08                 | 25.05                    | 25.10                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64734                 | 65000                    | 65268                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3710.01               | 3750                     | 3790.02                | Tune-up limit (dBm) | MPR (dB) |     |
| 20                           | QPSK       | 1       | 1         | 25.04                 | 25.13                    | 25.06                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64768                 | 65000                    | 65284                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3707.52               | 3750                     | 3792.51                | Tune-up limit (dBm) | MPR (dB) |     |
| 15                           | QPSK       | 1       | 1         | 25.13                 | 25.06                    | 25.12                  | 26.0                |          | 0.0 |
| Channel                      |            |         |           | 64700                 | 65000                    | 65200                  |                     |          |     |
| Frequency (MHz)              |            |         |           | 3705                  | 3750                     | 3795                   | Tune-up limit (dBm) | MPR (dB) |     |
| 10                           | QPSK       | 1       | 1         | 25.10                 | 25.07                    | 25.09                  | 26.0                |          | 0.0 |

## Part27Q 78 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |     |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|-----|
| Channel         |            |         |           | 633334              |                        | 3500.01              | 23.0                | 0.0      |     |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 1         |                     | 22.19                  |                      |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 137       |                     | 22.29                  |                      |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 271       |                     | 22.21                  |                      |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 0         |                     | 22.32                  |                      | 23.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 69        |                     | 22.39                  |                      | 23.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 138       |                     | 22.20                  |                      | 23.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 270     | 0         |                     | 22.36                  |                      | 23.0                | 0.0      |     |
| 100             | QPSK       | 1       | 1         |                     | 22.21                  |                      |                     |          |     |
| 100             | QPSK       | 1       | 137       |                     | 22.44                  |                      | 23.0                | 0.0      |     |
| 100             | QPSK       | 1       | 271       |                     | 22.29                  |                      |                     |          |     |
| 100             | QPSK       | 135     | 0         |                     | 22.34                  |                      | 23.0                | 1.0      |     |
| 100             | QPSK       | 135     | 69        |                     | 22.41                  |                      | 23.0                | 0.0      |     |
| 100             | QPSK       | 135     | 138       |                     | 22.25                  |                      | 23.0                | 1.0      |     |
| 100             | QPSK       | 270     | 0         |                     | 22.37                  |                      |                     |          |     |
| 100             | 16QAM      | 1       | 1         |                     | 22.21                  |                      | 23.0                | 0.0      |     |
| 100             | 64QAM      | 1       | 1         |                     | 22.17                  |                      | 23.0                | 0.0      |     |
| 100             | 256QAM     | 1       | 1         |                     | 21.43                  |                      | 21.5                | 1.5      |     |
| Channel         |            |         |           | 633000              | 633334                 | 633668               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3495                | 3500.01                | 3505.02              |                     |          |     |
| 90              | QPSK       | 1       | 1         |                     | 22.18                  | 22.17                | 22.21               | 23.0     | 0.0 |
| Channel         |            |         |           | 632668              | 633334                 | 634000               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3490.02             | 3500.01                | 3510                 |                     |          |     |
| 80              | QPSK       | 1       | 1         |                     | 22.21                  | 22.22                | 22.15               | 23.0     | 0.0 |
| Channel         |            |         |           | 632334              | 633334                 | 634334               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3485.01             | 3500.01                | 3515.01              |                     |          |     |
| 70              | QPSK       | 1       | 1         |                     | 22.18                  | 22.19                | 22.14               | 23.0     | 0.0 |
| Channel         |            |         |           | 632000              | 633334                 | 634668               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3480                | 3500.01                | 3520.02              |                     |          |     |
| 60              | QPSK       | 1       | 1         |                     | 22.15                  | 22.18                | 22.15               | 23.0     | 0.0 |
| Channel         |            |         |           | 631668              | 633334                 | 635000               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3475.02             | 3500.01                | 3525                 |                     |          |     |
| 50              | QPSK       | 1       | 1         |                     | 22.16                  | 22.15                | 22.14               | 23.0     | 0.0 |
| Channel         |            |         |           | 631334              | 633334                 | 635334               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3470.01             | 3500.01                | 3530.01              |                     |          |     |
| 40              | QPSK       | 1       | 1         |                     | 22.15                  | 22.14                | 22.20               | 23.0     | 0.0 |
| Channel         |            |         |           | 631000              | 633334                 | 635668               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3465                | 3500.01                | 3535.02              |                     |          |     |
| 30              | QPSK       | 1       | 1         |                     | 22.17                  | 22.16                | 22.21               | 23.0     | 0.0 |
| Channel         |            |         |           | 630668              | 633334                 | 636000               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3462.51             | 3500.01                | 3537.51              |                     |          |     |
| 25              | QPSK       | 1       | 1         |                     | 22.21                  | 22.16                | 22.17               | 23.0     | 0.0 |
| Channel         |            |         |           | 630334              | 633334                 | 636334               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3460.02             | 3500.01                | 3540                 |                     |          |     |
| 20              | QPSK       | 1       | 1         |                     | 22.14                  | 22.21                | 22.18               | 23.0     | 0.0 |
| Channel         |            |         |           | 630000              | 633334                 | 636668               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3457.5              | 3500.01                | 3542.52              |                     |          |     |
| 15              | QPSK       | 1       | 1         |                     | 22.17                  | 22.15                | 22.20               | 23.0     | 0.0 |
| Channel         |            |         |           | 630334              | 633334                 | 636334               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3455.01             | 3500.01                | 3545.01              |                     |          |     |
| 10              | QPSK       | 1       | 1         |                     | 22.20                  | 22.21                | 22.19               | 23.0     | 0.0 |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| Channel         |            |         |           | 633334                |                          |                        | 26.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 25.13                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 25.36                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 25.31                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 24.82                    |                        | 25.5                | 0.5      |     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 25.32                    |                        | 25.5                | 0.5      |     |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 24.74                    |                        | 25.5                | 0.5      |     |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 24.79                    |                        |                     |          |     |
| 100             | QPSK       | 1       | 1         |                       | 25.18                    |                        |                     |          |     |
| 100             | QPSK       | 1       | 137       |                       | 25.35                    |                        | 26.0                | 0.0      |     |
| 100             | QPSK       | 1       | 271       |                       | 25.36                    |                        |                     |          |     |
| 100             | QPSK       | 135     | 0         |                       | 24.23                    |                        | 25.0                | 1.0      |     |
| 100             | QPSK       | 135     | 69        |                       | 25.34                    |                        | 26.0                | 0.0      |     |
| 100             | QPSK       | 135     | 138       |                       | 24.22                    |                        | 25.0                | 1.0      |     |
| 100             | QPSK       | 270     | 0         |                       | 24.27                    |                        |                     |          |     |
| 100             | 16QAM      | 1       | 1         |                       | 23.91                    |                        | 25.0                | 1.0      |     |
| 100             | 64QAM      | 1       | 1         |                       | 22.39                    |                        | 23.5                | 2.5      |     |
| 100             | 256QAM     | 1       | 1         |                       | 21.46                    |                        | 21.5                | 4.5      |     |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90              | QPSK       | 1       | 1         |                       | 25.28                    | 25.35                  | 25.24               | 26.0     | 0.0 |
| Channel         |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |     |
| 80              | QPSK       | 1       | 1         |                       | 25.27                    | 25.34                  | 25.32               | 26.0     | 0.0 |
| Channel         |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |
| 70              | QPSK       | 1       | 1         |                       | 25.36                    | 25.26                  | 25.37               | 26.0     | 0.0 |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60              | QPSK       | 1       | 1         |                       | 25.24                    | 25.30                  | 25.32               | 26.0     | 0.0 |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50              | QPSK       | 1       | 1         |                       | 25.29                    | 25.27                  | 25.25               | 26.0     | 0.0 |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40              | QPSK       | 1       | 1         |                       | 25.34                    | 25.31                  | 25.27               | 26.0     | 0.0 |
| Channel         |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30              | QPSK       | 1       | 1         |                       | 25.35                    | 25.29                  | 25.29               | 26.0     | 0.0 |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |     |
| 25              | QPSK       | 1       | 1         |                       | 25.33                    | 25.34                  | 25.33               | 26.0     | 0.0 |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20              | QPSK       | 1       | 1         |                       | 25.37                    | 25.23                  | 25.37               | 26.0     | 0.0 |
| Channel         |            |         |           | 630000                | 633334                   | 636668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15              | QPSK       | 1       | 1         |                       | 25.26                    | 25.37                  | 25.24               | 26.0     | 0.0 |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10              | QPSK       | 1       | 1         |                       | 25.36                    | 25.31                  | 25.35               | 26.0     | 0.0 |



| Par270 n77 Ant3 Default |            |         |           |                       |                          |                        |                     |          |  |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                 |            |         |           | 65000                 | 65000                    | 65000                  |                     |          |  |
| Frequency (MHz)         |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                     | Pi2 BPSK   | 1       | 1         | 20.70                 | 20.84                    | 20.84                  | 22.0                | 0.0      |  |
| 100                     | Pi2 BPSK   | 1       | 137       | 21.26                 | 21.35                    | 21.28                  |                     |          |  |
| 100                     | Pi2 BPSK   | 1       | 271       | 20.63                 | 20.76                    | 20.65                  |                     |          |  |
| 100                     | Pi2 BPSK   | 135     | 0         | 20.77                 | 20.86                    | 20.74                  | 21.5                | 0.5      |  |
| 100                     | Pi2 BPSK   | 135     | 69        | 21.18                 | 21.29                    | 21.24                  | 22.0                | 0.0      |  |
| 100                     | Pi2 BPSK   | 135     | 138       | 20.81                 | 20.86                    | 20.78                  | 21.5                | 0.5      |  |
| 100                     | Pi2 BPSK   | 270     | 0         | 20.77                 | 20.86                    | 20.83                  | 22.0                | 0.0      |  |
| 100                     | QPSK       | 1       | 1         | 20.85                 | 20.87                    | 20.74                  |                     |          |  |
| 100                     | QPSK       | 1       | 137       | 21.26                 | 21.36                    | 21.32                  |                     |          |  |
| 100                     | QPSK       | 1       | 271       | 20.70                 | 20.79                    | 20.67                  | 21.0                | 1.0      |  |
| 100                     | QPSK       | 135     | 0         | 20.21                 | 20.25                    | 20.15                  |                     |          |  |
| 100                     | QPSK       | 135     | 69        | 21.20                 | 21.30                    | 21.27                  | 22.0                | 0.0      |  |
| 100                     | QPSK       | 135     | 138       | 20.11                 | 20.16                    | 20.06                  | 21.0                | 1.0      |  |
| 100                     | QPSK       | 270     | 0         | 20.09                 | 20.19                    | 20.15                  | 21.0                | 1.0      |  |
| 100                     | 16QAM      | 1       | 1         | 19.82                 | 19.91                    | 19.78                  |                     |          |  |
| 100                     | 64QAM      | 1       | 1         | 18.52                 | 18.56                    | 18.46                  | 19.5                | 2.5      |  |
| 100                     | 256QAM     | 1       | 1         | 17.03                 | 17.11                    | 16.98                  | 17.5                | 4.5      |  |
| Channel                 |            |         |           | 649668                | 656000                   | 662334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |          |  |
| 90                      | QPSK       | 1       | 1         | 20.74                 | 20.72                    | 20.61                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 643234                | 650000                   | 656666                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                      | QPSK       | 1       | 1         | 20.05                 | 20.66                    | 20.59                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3725                  | 3840                     | 3945                   |                     |          |  |
| 70                      | QPSK       | 1       | 1         | 20.63                 | 20.66                    | 20.61                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                      | QPSK       | 1       | 1         | 20.69                 | 20.71                    | 20.55                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 648334                | 656000                   | 663668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |
| 50                      | QPSK       | 1       | 1         | 20.61                 | 20.76                    | 20.62                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                      | QPSK       | 1       | 1         | 20.05                 | 20.76                    | 20.49                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 647668                | 656000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3721.02               | 3840                     | 3965.03                |                     |          |  |
| 30                      | QPSK       | 1       | 1         | 20.73                 | 20.71                    | 20.62                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 647500                | 656000                   | 665000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                      | QPSK       | 1       | 1         | 20.09                 | 20.67                    | 20.62                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 647334                | 656000                   | 665668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3718.01               | 3840                     | 3970.02                |                     |          |  |
| 20                      | QPSK       | 1       | 1         | 20.67                 | 20.66                    | 20.54                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 647168                | 656000                   | 666034                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                      | QPSK       | 1       | 1         | 20.70                 | 20.63                    | 20.58                  | 22.0                | 0.0      |  |
| Channel                 |            |         |           | 647000                | 656000                   | 666300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |
| 10                      | QPSK       | 1       | 1         | 20.71                 | 20.64                    | 20.62                  | 22.0                | 0.0      |  |

| Part27Q n77 Ant3 Default |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                  |            |         |           | 633000                | 633334                   | 633668                 |                     |          |  |
| Frequency (MHz)          |            |         |           | 3500.01               | 3500.01                  | 3500.01                |                     |          |  |
| 100                      | Pi2 BPSK   | 1       | 1         |                       | 20.92                    |                        | 22.0                | 0.0      |  |
| 100                      | Pi2 BPSK   | 1       | 137       |                       | 21.40                    |                        |                     |          |  |
| 100                      | Pi2 BPSK   | 1       | 271       |                       | 20.86                    |                        |                     |          |  |
| 100                      | Pi2 BPSK   | 135     | 0         |                       | 20.84                    |                        | 21.5                | 0.5      |  |
| 100                      | Pi2 BPSK   | 135     | 69        |                       | 21.36                    |                        | 22.0                | 0.0      |  |
| 100                      | Pi2 BPSK   | 135     | 138       |                       | 20.88                    |                        | 21.5                | 0.5      |  |
| 100                      | Pi2 BPSK   | 270     | 0         |                       | 20.80                    |                        | 22.0                | 0.0      |  |
| 100                      | QPSK       | 1       | 1         |                       | 20.95                    |                        |                     |          |  |
| 100                      | QPSK       | 1       | 137       |                       | 22.46                    |                        |                     |          |  |
| 100                      | QPSK       | 1       | 271       |                       | 20.91                    |                        | 21.0                | 1.0      |  |
| 100                      | QPSK       | 135     | 0         |                       | 20.56                    |                        |                     |          |  |
| 100                      | QPSK       | 135     | 69        |                       | 21.38                    |                        | 22.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 138       |                       | 20.61                    |                        | 21.0                | 1.0      |  |
| 100                      | QPSK       | 270     | 0         |                       | 20.55                    |                        | 21.0                | 1.0      |  |
| 100                      | 16QAM      | 1       | 1         |                       | 20.03                    |                        |                     |          |  |
| 100                      | 64QAM      | 1       | 1         |                       | 18.61                    |                        | 19.5                | 2.5      |  |
| 100                      | 256QAM     | 1       | 1         |                       | 17.23                    |                        | 17.5                | 4.5      |  |
| Channel                  |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                       | QPSK       | 1       | 1         | 20.71                 | 20.77                    | 20.79                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                       | QPSK       | 1       | 1         | 20.89                 | 20.80                    | 20.83                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                       | QPSK       | 1       | 1         | 20.83                 | 20.86                    | 20.78                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                       | QPSK       | 1       | 1         | 20.78                 | 20.78                    | 20.76                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                       | QPSK       | 1       | 1         | 20.79                 | 20.89                    | 20.85                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                       | QPSK       | 1       | 1         | 20.85                 | 20.84                    | 20.77                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                       | QPSK       | 1       | 1         | 20.79                 | 20.81                    | 20.78                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 630668                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                       | QPSK       | 1       | 1         | 20.86                 | 20.86                    | 20.78                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 630334                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                       | QPSK       | 1       | 1         | 20.88                 | 20.83                    | 20.79                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 630000                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                       | QPSK       | 1       | 1         | 20.78                 | 20.88                    | 20.77                  | 22.0                | 0.0      |  |
| Channel                  |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                       | QPSK       | 1       | 1         | 20.80                 | 20.81                    | 20.88                  | 22.0                | 0.0      |  |

| Part270 n78 Ant3 Default |            |         |           |                      |                         |                       |                     |          |  |
|--------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                  |            |         |           | 650000               | 650000                  | 650000                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3750                 | 3750                    | 3750                  |                     |          |  |
| 100                      | Pi2 BPSK   | 1       | 1         |                      | 19.47                   |                       | 21.0                | 0.0      |  |
| 100                      | Pi2 BPSK   | 1       | 137       |                      | 20.01                   |                       |                     |          |  |
| 100                      | Pi2 BPSK   | 1       | 271       |                      | 19.51                   |                       |                     |          |  |
| 100                      | Pi2 BPSK   | 135     | 0         |                      | 19.96                   |                       | 21.0                | 0.0      |  |
| 100                      | Pi2 BPSK   | 135     | 69        |                      | 20.02                   |                       | 21.0                | 0.0      |  |
| 100                      | Pi2 BPSK   | 135     | 138       |                      | 19.90                   |                       | 21.0                | 0.0      |  |
| 100                      | Pi2 BPSK   | 270     | 0         |                      | 19.92                   |                       | 21.0                | 0.0      |  |
| 100                      | QPSK       | 1       | 1         |                      | 19.48                   |                       |                     |          |  |
| 100                      | QPSK       | 1       | 137       |                      | 20.06                   |                       |                     |          |  |
| 100                      | QPSK       | 1       | 271       |                      | 19.50                   |                       | 21.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 0         |                      | 19.88                   |                       | 21.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 69        |                      | 20.03                   |                       | 21.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 138       |                      | 19.88                   |                       | 21.0                | 0.0      |  |
| 100                      | QPSK       | 270     | 0         |                      | 19.86                   |                       | 21.0                | 0.0      |  |
| 100                      | 16QAM      | 1       | 1         |                      | 19.91                   |                       | 21.0                | 0.0      |  |
| 100                      | 64QAM      | 1       | 1         |                      | 19.82                   |                       | 21.0                | 0.0      |  |
| 100                      | 256QAM     | 1       | 1         |                      | 19.43                   |                       | 19.5                | 1.5      |  |
| Channel                  |            |         |           | 648668               | 650000                  | 650334                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3745.02              | 3750                    | 3755.04               |                     |          |  |
| 90                       | QPSK       | 1       | 1         | 19.64                | 19.62                   | 19.57                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 649334               | 650000                  | 650568                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3740.01              | 3750                    | 3760.02               |                     |          |  |
| 80                       | QPSK       | 1       | 1         | 19.49                | 19.58                   | 19.54                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 649000               | 650000                  | 651000                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3735                 | 3750                    | 3765                  |                     |          |  |
| 70                       | QPSK       | 1       | 1         | 19.55                | 19.56                   | 19.55                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 648668               | 650000                  | 651334                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3730.02              | 3750                    | 3770.01               |                     |          |  |
| 60                       | QPSK       | 1       | 1         | 19.56                | 19.61                   | 19.56                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 648334               | 650000                  | 651668                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3725.01              | 3750                    | 3775.02               |                     |          |  |
| 50                       | QPSK       | 1       | 1         | 19.64                | 19.55                   | 19.54                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 648000               | 650000                  | 652000                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3720                 | 3750                    | 3780                  |                     |          |  |
| 40                       | QPSK       | 1       | 1         | 19.51                | 19.56                   | 19.60                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 647668               | 650000                  | 652334                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3715.02              | 3750                    | 3785.01               |                     |          |  |
| 30                       | QPSK       | 1       | 1         | 19.56                | 19.61                   | 19.59                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 647500               | 650000                  | 652500                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3712.5               | 3750                    | 3787.5                |                     |          |  |
| 25                       | QPSK       | 1       | 1         | 19.51                | 19.61                   | 19.63                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 647234               | 650000                  | 652868                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3710.01              | 3750                    | 3790.02               |                     |          |  |
| 20                       | QPSK       | 1       | 1         | 19.57                | 19.61                   | 19.64                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 647168               | 650000                  | 652834                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3707.52              | 3750                    | 3792.51               |                     |          |  |
| 15                       | QPSK       | 1       | 1         | 19.60                | 19.59                   | 19.62                 | 21.0                | 0.0      |  |
| Channel                  |            |         |           | 647000               | 650000                  | 653000                |                     |          |  |
| Frequency (MHz)          |            |         |           | 3705                 | 3750                    | 3795                  |                     |          |  |
| 10                       | QPSK       | 1       | 1         | 19.60                | 19.57                   | 19.64                 | 21.0                | 0.0      |  |



| Part270 n78 PC2 Ant3 Default |            |         |           |                      |                         |                       |                     |          |  |
|------------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch./ Freq. | Power Middle Ch./ Freq. | Power High Ch./ Freq. | Tune-up limit       | MPR (dB) |  |
| Channel                      |            |         |           | 68000                | 68000                   | 68000                 | 24.0                | 0.0      |  |
| Frequency (MHz)              |            |         |           | 3750                 | 3750                    | 3750                  |                     |          |  |
| 100                          | PI2 BPSK   | 1       | 1         |                      | 22.43                   |                       | 24.0                | 0.0      |  |
| 100                          | PI2 BPSK   | 1       | 137       |                      | 22.96                   |                       |                     |          |  |
| 100                          | PI2 BPSK   | 1       | 271       |                      | 22.48                   |                       |                     |          |  |
| 100                          | PI2 BPSK   | 135     | 0         |                      | 22.35                   |                       | 24.0                | 0.5      |  |
| 100                          | PI2 BPSK   | 135     | 69        |                      | 22.93                   |                       |                     |          |  |
| 100                          | PI2 BPSK   | 135     | 138       |                      | 22.42                   |                       | 23.5                | 0.5      |  |
| 100                          | PI2 BPSK   | 270     | 0         |                      | 22.43                   |                       |                     |          |  |
| 100                          | QPSK       | 1       | 1         |                      | 22.47                   |                       | 24.0                | 0.0      |  |
| 100                          | QPSK       | 1       | 137       |                      | 22.00                   |                       |                     |          |  |
| 100                          | QPSK       | 1       | 271       |                      | 22.52                   |                       |                     |          |  |
| 100                          | QPSK       | 135     | 0         |                      | 21.91                   |                       | 23.0                | 1.0      |  |
| 100                          | QPSK       | 135     | 69        |                      | 22.97                   |                       |                     |          |  |
| 100                          | QPSK       | 135     | 138       |                      | 21.89                   |                       | 23.0                | 1.0      |  |
| 100                          | QPSK       | 270     | 0         |                      | 21.88                   |                       |                     |          |  |
| 100                          | 16QAM      | 1       | 1         |                      | 21.46                   |                       | 23.0                | 1.0      |  |
| 100                          | 64QAM      | 1       | 1         |                      | 19.94                   |                       |                     |          |  |
| 100                          | 256QAM     | 1       | 1         |                      | 18.51                   |                       | 19.5 4.5            |          |  |
| Channel                      |            |         |           | 64968                | 65000                   | 65034                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3745.02              | 3750                    | 3755.01               |                     |          |  |
| 90                           | QPSK       | 1       | 1         |                      | 22.58                   | 22.57                 | 24.0                | 0.0      |  |
| Channel                      |            |         |           | 649334               | 650000                  | 650668                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3740.01              | 3750                    | 3760.02               | 24.0                | 0.0      |  |
| 80                           | QPSK       | 1       | 1         |                      | 22.54                   | 22.61                 |                     | 24.0     |  |
| Channel                      |            |         |           | 649000               | 650000                  | 651000                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3735                 | 3750                    | 3765                  | 24.0                | 0.0      |  |
| 70                           | QPSK       | 1       | 1         |                      | 22.48                   | 22.57                 |                     | 24.0     |  |
| Channel                      |            |         |           | 64968                | 650000                  | 651334                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3730.02              | 3750                    | 3770.01               | 24.0                | 0.0      |  |
| 60                           | QPSK       | 1       | 1         |                      | 22.59                   | 22.56                 |                     | 24.0     |  |
| Channel                      |            |         |           | 648334               | 650000                  | 651668                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3725.01              | 3750                    | 3775.02               | 24.0                | 0.0      |  |
| 50                           | QPSK       | 1       | 1         |                      | 22.52                   | 22.51                 |                     | 24.0     |  |
| Channel                      |            |         |           | 649000               | 650000                  | 652000                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3720                 | 3750                    | 3780                  | 24.0                | 0.0      |  |
| 40                           | QPSK       | 1       | 1         |                      | 22.60                   | 22.50                 |                     | 24.0     |  |
| Channel                      |            |         |           | 64768                | 650000                  | 652334                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3715.02              | 3750                    | 3765.01               | 24.0                | 0.0      |  |
| 30                           | QPSK       | 1       | 1         |                      | 22.55                   | 22.52                 |                     | 24.0     |  |
| Channel                      |            |         |           | 647500               | 650000                  | 652500                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3712.5               | 3750                    | 3767.5                | 24.0                | 0.0      |  |
| 25                           | QPSK       | 1       | 1         |                      | 22.57                   | 22.52                 |                     | 24.0     |  |
| Channel                      |            |         |           | 647334               | 650000                  | 652668                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3710.01              | 3750                    | 3760.02               | 24.0                | 0.0      |  |
| 20                           | QPSK       | 1       | 1         |                      | 22.48                   | 22.50                 |                     | 24.0     |  |
| Channel                      |            |         |           | 647168               | 650000                  | 652834                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3707.52              | 3750                    | 3762.51               | 24.0                | 0.0      |  |
| 15                           | QPSK       | 1       | 1         |                      | 22.53                   | 22.48                 |                     | 24.0     |  |
| Channel                      |            |         |           | 647000               | 650000                  | 653000                |                     |          |  |
| Frequency (MHz)              |            |         |           | 3705                 | 3750                    | 3795                  | 24.0                | 0.0      |  |
| 10                           | QPSK       | 1       | 1         |                      | 22.55                   | 22.54                 |                     | 24.0     |  |

| Part27Q 78 Ant3 Default |            |         |           |                       |                          |                        |                     |          |  |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (db) |  |
| Channel                 |            |         |           | 63334                 |                          |                        | 21.0                | 0.0      |  |
| Frequency (MHz)         |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                     | PI2 BPSK   | 1       | 1         | 19.70                 |                          |                        | 21.0                | 0.0      |  |
| 100                     | PI2 BPSK   | 1       | 137       | 20.22                 |                          |                        |                     |          |  |
| 100                     | PI2 BPSK   | 1       | 271       | 19.59                 |                          |                        |                     |          |  |
| 100                     | PI2 BPSK   | 135     | 0         | 20.02                 |                          |                        | 21.0                | 0.0      |  |
| 100                     | PI2 BPSK   | 135     | 69        | 20.18                 |                          |                        |                     |          |  |
| 100                     | PI2 BPSK   | 135     | 138       | 20.08                 |                          |                        | 21.0                | 0.0      |  |
| 100                     | PI2 BPSK   | 270     | 0         | 20.18                 |                          |                        |                     |          |  |
| 100                     | QPSK       | 1       | 1         | 19.67                 |                          |                        | 21.0                | 0.0      |  |
| 100                     | QPSK       | 1       | 137       | 20.27                 |                          |                        |                     |          |  |
| 100                     | QPSK       | 1       | 271       | 19.60                 |                          |                        |                     |          |  |
| 100                     | QPSK       | 135     | 0         | 20.13                 |                          |                        | 21.0                | 0.0      |  |
| 100                     | QPSK       | 135     | 69        | 20.23                 |                          |                        |                     |          |  |
| 100                     | QPSK       | 135     | 138       | 20.09                 |                          |                        | 21.0                | 0.0      |  |
| 100                     | QPSK       | 270     | 0         | 20.10                 |                          |                        |                     |          |  |
| 100                     | 16QAM      | 1       | 1         | 19.49                 |                          |                        | 21.0                | 0.0      |  |
| 100                     | 64QAM      | 1       | 1         | 19.45                 |                          |                        |                     |          |  |
| 100                     | 256QAM     | 1       | 1         | 18.56                 |                          |                        | 19.5 1.5            |          |  |
| Channel                 |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)         |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                      | QPSK       | 1       | 1         | 19.63                 | 19.66                    | 19.63                  | 21.0                | 0.0      |  |
| Channel                 |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3490.02               | 3500.01                  | 3510                   | 21.0                | 0.0      |  |
| 80                      | QPSK       | 1       | 1         | 19.65                 | 19.62                    | 19.69                  |                     | 21.0     |  |
| Channel                 |            |         |           | 632334                | 633334                   | 634334                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 21.0                | 0.0      |  |
| 70                      | QPSK       | 1       | 1         | 19.77                 | 19.70                    | 19.69                  |                     | 21.0     |  |
| Channel                 |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3480                  | 3500.01                  | 3520.02                | 21.0                | 0.0      |  |
| 60                      | QPSK       | 1       | 1         | 19.71                 | 19.75                    | 19.71                  |                     | 21.0     |  |
| Channel                 |            |         |           | 631668                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3475.02               | 3500.01                  | 3525                   | 21.0                | 0.0      |  |
| 50                      | QPSK       | 1       | 1         | 19.66                 | 19.70                    | 19.71                  |                     | 21.0     |  |
| Channel                 |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 21.0                | 0.0      |  |
| 40                      | QPSK       | 1       | 1         | 19.72                 | 19.70                    | 19.72                  |                     | 21.0     |  |
| Channel                 |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3465                  | 3500.01                  | 3535.02                | 21.0                | 0.0      |  |
| 30                      | QPSK       | 1       | 1         | 19.75                 | 19.69                    | 19.76                  |                     | 21.0     |  |
| Channel                 |            |         |           | 630634                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3462.51               | 3500.01                  | 3537.51                | 21.0                | 0.0      |  |
| 25                      | QPSK       | 1       | 1         | 19.76                 | 19.77                    | 19.77                  |                     | 21.0     |  |
| Channel                 |            |         |           | 630568                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3460.02               | 3500.01                  | 3540                   | 21.0                | 0.0      |  |
| 20                      | QPSK       | 1       | 1         | 19.74                 | 19.69                    | 19.68                  |                     | 21.0     |  |
| Channel                 |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 21.0                | 0.0      |  |
| 15                      | QPSK       | 1       | 1         | 19.64                 | 19.70                    | 19.67                  |                     | 21.0     |  |
| Channel                 |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)         |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 21.0                | 0.0      |  |
| 10                      | QPSK       | 1       | 1         | 19.67                 | 19.64                    | 19.74                  |                     | 21.0     |  |

| Part27Q 78 PC2 Ant3 Default |            |         |           |                      |                         |                       |                     |          |     |
|-----------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|-----|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dbm) | MPR (dB) |     |
| Channel                     |            |         |           | 63334                |                         |                       | 250.01              |          |     |
| Frequency (MHz)             |            |         |           | 22.72                |                         |                       |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 1         |                      | 22.72                   |                       | 24.0                | 0.0      |     |
| 100                         | PI2 BPSK   | 1       | 137       |                      | 23.24                   |                       |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 271       |                      | 22.69                   |                       |                     |          |     |
| 100                         | PI2 BPSK   | 135     | 0         |                      | 22.67                   |                       | 23.5                | 0.5      |     |
| 100                         | PI2 BPSK   | 135     | 69        |                      | 23.32                   |                       |                     |          |     |
| 100                         | PI2 BPSK   | 135     | 138       |                      | 22.66                   |                       | 23.5                | 0.5      |     |
| 100                         | PI2 BPSK   | 270     | 0         |                      | 22.72                   |                       |                     |          |     |
| 100                         | QPSK       | 1       | 1         |                      | 22.73                   |                       | 24.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 137       |                      | 23.36                   |                       |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                      | 22.68                   |                       |                     |          |     |
| 100                         | QPSK       | 135     | 0         |                      | 22.12                   |                       | 23.0                | 1.0      |     |
| 100                         | QPSK       | 135     | 69        |                      | 22.28                   |                       |                     |          |     |
| 100                         | QPSK       | 135     | 138       |                      | 22.28                   |                       | 23.0                | 1.0      |     |
| 100                         | QPSK       | 270     | 0         |                      | 22.16                   |                       |                     |          |     |
| 100                         | 16QAM      | 1       | 1         |                      | 21.35                   |                       | 23.0                | 1.0      |     |
| 100                         | 64QAM      | 1       | 1         |                      | 19.88                   |                       |                     |          |     |
| 100                         | 256QAM     | 1       | 1         |                      | 18.61                   |                       | 19.5                | 4.5      |     |
| Channel                     |            |         |           | 63330                | 63333                   | 63368                 |                     |          |     |
| Frequency (MHz)             |            |         |           | 3495                 | 3500.01                 | 3506.02               | Tune-up limit (dbm) | MPR (dB) |     |
| 90                          | QPSK       | 1       | 1         | 22.76                | 22.72                   | 22.67                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63268                | 63334                   | 63400                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3490.02              | 3500.01                 | 3510                  | Tune-up limit (dbm) | MPR (dB) |     |
| 80                          | QPSK       | 1       | 1         | 22.78                | 22.81                   | 22.70                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63234                | 63333                   | 63434                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3485.01              | 3500.01                 | 3515.01               | Tune-up limit (dbm) | MPR (dB) |     |
| 70                          | QPSK       | 1       | 1         | 22.77                | 22.69                   | 22.75                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63200                | 63334                   | 63468                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3480                 | 3500.01                 | 3520.02               | Tune-up limit (dbm) | MPR (dB) |     |
| 60                          | QPSK       | 1       | 1         | 22.74                | 22.77                   | 22.82                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63166                | 63333                   | 63500                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3475.02              | 3500.01                 | 3525                  | Tune-up limit (dbm) | MPR (dB) |     |
| 50                          | QPSK       | 1       | 1         | 22.75                | 22.76                   | 22.77                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63134                | 63334                   | 63534                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3470.01              | 3500.01                 | 3530.01               | Tune-up limit (dbm) | MPR (dB) |     |
| 40                          | QPSK       | 1       | 1         | 22.69                | 22.66                   | 22.73                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63100                | 63333                   | 63568                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3465                 | 3500.01                 | 3536.02               | Tune-up limit (dbm) | MPR (dB) |     |
| 30                          | QPSK       | 1       | 1         | 22.80                | 22.70                   | 22.80                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63084                | 63334                   | 63584                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3465.51              | 3500.01                 | 3537.51               | Tune-up limit (dbm) | MPR (dB) |     |
| 25                          | QPSK       | 1       | 1         | 22.73                | 22.71                   | 22.70                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63068                | 63333                   | 63600                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3460.02              | 3500.01                 | 3540                  | Tune-up limit (dbm) | MPR (dB) |     |
| 20                          | QPSK       | 1       | 1         | 22.72                | 22.77                   | 22.70                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63020                | 63334                   | 636168                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3457.5               | 3500.01                 | 3542.52               | Tune-up limit (dbm) | MPR (dB) |     |
| 15                          | QPSK       | 1       | 1         | 22.75                | 22.82                   | 22.70                 | 24.0                | 0.0      | 0.0 |
| Channel                     |            |         |           | 63034                | 63334                   | 63634                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3455.01              | 3500.01                 | 3545.01               | Tune-up limit (dbm) | MPR (dB) |     |
| 10                          | QPSK       | 1       | 1         | 22.67                | 22.81                   | 22.68                 | 24.0                | 0.0      | 0.0 |

## Par270 n77 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 3750                     | 3840                        | 3930                      |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 24.93                    | 25.01                       | 25.00                     |                        |             |
| 100             | PI2 BPSK   | 1       | 137       | 25.51                    | 25.58                       | 25.53                     | 25.7                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 271       | 24.62                    | 24.74                       | 24.67                     |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 24.91                    | 24.98                       | 24.87                     | 25.2                   | 0.5         |
| 100             | PI2 BPSK   | 135     | 69        | 25.42                    | 25.54                       | 25.54                     | 25.7                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 24.69                    | 24.82                       | 24.76                     | 25.2                   | 0.5         |
| 100             | PI2 BPSK   | 270     | 0         | 24.89                    | 24.93                       | 24.81                     |                        |             |
| 100             | QPSK       | 1       | 1         | 24.79                    | 24.91                       | 24.86                     |                        |             |
| 100             | QPSK       | 1       | 137       | 25.56                    | 25.61                       | 25.59                     | 25.7                   | 0.0         |
| 100             | QPSK       | 1       | 271       | 24.69                    | 24.74                       | 24.66                     |                        |             |
| 100             | QPSK       | 135     | 0         | 24.39                    | 24.46                       | 24.32                     | 24.7                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 25.50                    | 25.59                       | 25.54                     | 25.7                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 24.25                    | 24.31                       | 24.26                     | 24.7                   | 1.0         |
| 100             | QPSK       | 270     | 0         | 24.28                    | 24.37                       | 24.35                     |                        |             |
| 100             | 16QAM      | 1       | 1         | 23.77                    | 23.79                       | 23.70                     | 24.7                   | 1.0         |
| 100             | 64QAM      | 1       | 1         | 22.27                    | 22.32                       | 22.22                     | 23.2                   | 2.5         |
| 100             | 256QAM     | 1       | 1         | 20.78                    | 20.89                       | 20.85                     | 21.2                   | 4.5         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 3745.02                  | 3840                        | 3935.01                   |                        |             |
| 90              | QPSK       | 1       | 1         | 24.84                    | 24.98                       | 24.83                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 649334                   | 656000                      | 662668                    | Tune-up limit<br>(dBm) | MPR         |
| 80              | QPSK       | 1       | 1         | 24.75                    | 24.84                       | 24.84                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 649000                   | 656000                      | 663000                    | Tune-up limit<br>(dBm) | MPR         |
| 70              | QPSK       | 1       | 1         | 24.77                    | 25.00                       | 24.94                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 648668                   | 656000                      | 663334                    | Tune-up limit<br>(dBm) | MPR         |
| 60              | QPSK       | 1       | 1         | 24.76                    | 25.01                       | 24.89                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 648334                   | 656000                      | 663668                    | Tune-up limit<br>(dBm) | MPR         |
| 50              | QPSK       | 1       | 1         | 24.84                    | 24.99                       | 24.89                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 648000                   | 656000                      | 664000                    | Tune-up limit<br>(dBm) | MPR         |
| 40              | QPSK       | 1       | 1         | 24.80                    | 24.88                       | 24.88                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 647668                   | 656000                      | 664334                    | Tune-up limit<br>(dBm) | MPR         |
| 30              | QPSK       | 1       | 1         | 24.79                    | 25.00                       | 24.89                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 647334                   | 656000                      | 664668                    | Tune-up limit<br>(dBm) | MPR         |
| 25              | QPSK       | 1       | 1         | 24.86                    | 25.00                       | 24.85                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 647334                   | 656000                      | 664668                    | Tune-up limit<br>(dBm) | MPR         |
| 20              | QPSK       | 1       | 1         | 24.84                    | 24.96                       | 24.83                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 647168                   | 656000                      | 664834                    | Tune-up limit<br>(dBm) | MPR         |
| 15              | QPSK       | 1       | 1         | 24.84                    | 24.91                       | 24.93                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 647000                   | 656000                      | 665000                    | Tune-up limit<br>(dBm) | MPR         |
| 10              | QPSK       | 1       | 1         | 24.88                    | 24.93                       | 24.90                     | 25.7                   | 0.0         |

## Part27Q n77 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 3500.01                  | 633334                      |                           |                        |             |
| 100             | PI2 BPSK   | 1       | 1         |                          | 25.00                       |                           |                        |             |
| 100             | PI2 BPSK   | 1       | 137       |                          | 25.50                       |                           | 25.7                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 271       |                          | 24.65                       |                           |                        |             |
| 100             | PI2 BPSK   | 135     | 0         |                          | 24.89                       |                           | 25.2                   | 0.5         |
| 100             | PI2 BPSK   | 135     | 69        |                          | 25.46                       |                           | 25.7                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       |                          | 24.85                       |                           | 25.2                   | 0.5         |
| 100             | PI2 BPSK   | 270     | 0         |                          | 24.97                       |                           |                        |             |
| 100             | QPSK       | 1       | 1         |                          | 24.86                       |                           |                        |             |
| 100             | QPSK       | 1       | 137       |                          | 25.57                       |                           | 25.7                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                          | 24.72                       |                           |                        |             |
| 100             | QPSK       | 135     | 0         |                          | 24.42                       |                           | 24.7                   | 1.0         |
| 100             | QPSK       | 135     | 69        |                          | 25.51                       |                           | 25.7                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                          | 24.36                       |                           | 24.7                   | 1.0         |
| 100             | QPSK       | 270     | 0         |                          | 24.35                       |                           |                        |             |
| 100             | 16QAM      | 1       | 1         |                          | 23.55                       |                           | 24.7                   | 1.0         |
| 100             | 64QAM      | 1       | 1         |                          | 22.22                       |                           | 23.2                   | 2.5         |
| 100             | 256QAM     | 1       | 1         |                          | 20.71                       |                           | 21.2                   | 4.5         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 633000                   | 633334                      | 633668                    | Tune-up limit<br>(dBm) | MPR         |
| 90              | QPSK       | 1       | 1         | 24.82                    | 24.86                       | 24.93                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 632668                   | 633334                      | 634000                    | Tune-up limit<br>(dBm) | MPR         |
| 80              | QPSK       | 1       | 1         | 24.92                    | 24.89                       | 24.86                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 632334                   | 633334                      | 634334                    | Tune-up limit<br>(dBm) | MPR         |
| 70              | QPSK       | 1       | 1         | 24.87                    | 24.86                       | 24.87                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 632000                   | 633334                      | 634668                    | Tune-up limit<br>(dBm) | MPR         |
| 60              | QPSK       | 1       | 1         | 24.81                    | 24.87                       | 24.90                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 631668                   | 633334                      | 635000                    | Tune-up limit<br>(dBm) | MPR         |
| 50              | QPSK       | 1       | 1         | 24.80                    | 24.83                       | 24.81                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 631334                   | 633334                      | 635334                    | Tune-up limit<br>(dBm) | MPR         |
| 40              | QPSK       | 1       | 1         | 24.82                    | 24.95                       | 24.84                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 631000                   | 633334                      | 635668                    | Tune-up limit<br>(dBm) | MPR         |
| 30              | QPSK       | 1       | 1         | 24.90                    | 24.94                       | 24.80                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 630668                   | 633334                      | 635934                    | Tune-up limit<br>(dBm) | MPR         |
| 25              | QPSK       | 1       | 1         | 24.82                    | 24.82                       | 24.88                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 630668                   | 633334                      | 636000                    | Tune-up limit<br>(dBm) | MPR         |
| 20              | QPSK       | 1       | 1         | 24.83                    | 24.82                       | 24.84                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 630500                   | 633334                      | 636168                    | Tune-up limit<br>(dBm) | MPR         |
| 15              | QPSK       | 1       | 1         | 24.88                    | 24.95                       | 24.86                     | 25.7                   | 0.0         |
| Channel         |            |         |           |                          |                             |                           |                        |             |
| Frequency (MHz) |            |         |           | 630334                   | 633334                      | 636334                    | Tune-up limit<br>(dBm) | MPR         |
| 10              | QPSK       | 1       | 1         | 24.85                    | 24.88                       | 24.86                     | 25.7                   | 0.0         |

## Part27O n78 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 650000                      | 650000                         | 650000                       |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 3750                        | 3750                           | 3750                         |                        |             |
| 100             | PI2 BPSK   | 1       | 137       |                             | 23.91                          |                              | 25.0                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 271       |                             | 24.56                          |                              |                        |             |
| 100             | PI2 BPSK   | 135     | 0         |                             | 24.55                          |                              | 25.0                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 69        |                             | 24.52                          |                              | 25.0                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       |                             | 24.54                          |                              | 25.0                   | 0.0         |
| 100             | PI2 BPSK   | 270     | 0         |                             | 24.58                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 24.46                          |                              | 25.0                   | 0.0         |
| 100             | QPSK       | 1       | 137       |                             | 24.65                          |                              |                        |             |
| 100             | QPSK       | 1       | 271       |                             | 24.03                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 24.53                          |                              | 25.0                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 24.63                          |                              | 25.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 24.46                          |                              | 25.0                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 24.58                          |                              |                        |             |
| 100             | 16QAM      | 1       | 1         |                             | 23.98                          |                              | 25.0                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 23.87                          |                              | 25.0                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 22.82                          |                              | 23.5                   | 1.5         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 648668                      | 650000                         | 660334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 90              | QPSK       | 1       | 1         | 24.01                       | 24.04                          | 24.11                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 649334                      | 650000                         | 660668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 80              | QPSK       | 1       | 1         | 23.96                       | 24.08                          | 23.99                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 649000                      | 650000                         | 661000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 70              | QPSK       | 1       | 1         | 24.09                       | 24.02                          | 23.98                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 648668                      | 650000                         | 661334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 60              | QPSK       | 1       | 1         | 23.97                       | 24.09                          | 24.11                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 648334                      | 650000                         | 661668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 50              | QPSK       | 1       | 1         | 24.09                       | 24.07                          | 24.10                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 648000                      | 650000                         | 662000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 40              | QPSK       | 1       | 1         | 24.00                       | 23.96                          | 23.97                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 647668                      | 650000                         | 662334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 30              | QPSK       | 1       | 1         | 24.05                       | 23.99                          | 24.00                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 647334                      | 650000                         | 662500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 25              | QPSK       | 1       | 1         | 24.10                       | 24.08                          | 23.97                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 647000                      | 650000                         | 662668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 20              | QPSK       | 1       | 1         | 23.99                       | 23.96                          | 24.00                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 646668                      | 650000                         | 662834                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 1         | 23.98                       | 24.10                          | 24.08                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 646334                      | 650000                         | 663000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 1         | 24.07                       | 24.08                          | 23.97                        | 25.0                   | 0.0         |

| Part270 n78 PC2 Ant4 Default |            |         |           |                           |                            |                            |                     |          |     |
|------------------------------|------------|---------|-----------|---------------------------|----------------------------|----------------------------|---------------------|----------|-----|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch./Freq. 65000 | Power Mide Ch./Freq. 65000 | Power High Ch./Freq. 65000 | Turn-up limit (dBm) | MPR (dB) |     |
| Channel                      |            |         |           | 3750                      | 3750                       | 3750                       |                     |          |     |
| 100                          | Pt2 BPSK   | 1       | 1         |                           | 26.43                      |                            |                     |          |     |
| 100                          | Pt2 BPSK   | 1       | 137       |                           | 27.54                      |                            | 28.0                | 0.0      |     |
| 100                          | Pt2 BPSK   | 1       | 271       |                           | 27.17                      |                            |                     |          |     |
| 100                          | Pt2 BPSK   | 135     | 0         |                           | 27.02                      |                            | 27.5                | 0.6      |     |
| 100                          | Pt2 BPSK   | 135     | 69        |                           | 26.66                      |                            | 28.0                | 0.0      |     |
| 100                          | Pt2 BPSK   | 135     | 138       |                           | 26.91                      |                            | 27.5                | 0.5      |     |
| 100                          | Pt2 BPSK   | 270     | 0         |                           | 26.83                      |                            | 27.0                |          |     |
| 100                          | QPSK       | 1       | 1         |                           | 26.66                      |                            |                     |          |     |
| 100                          | QPSK       | 1       | 137       |                           | 27.53                      |                            | 28.0                | 0.0      |     |
| 100                          | QPSK       | 1       | 271       |                           | 26.28                      |                            |                     |          |     |
| 100                          | QPSK       | 135     | 0         |                           | 26.73                      |                            | 27.0                | 1.0      |     |
| 100                          | QPSK       | 135     | 69        |                           | 26.58                      |                            | 28.0                | 0.0      |     |
| 100                          | QPSK       | 135     | 138       |                           | 26.61                      |                            | 27.0                | 1.0      |     |
| 100                          | QPSK       | 270     | 0         |                           | 26.56                      |                            | 28.0                | 0.0      |     |
| 100                          | 15QAM      | 1       | 1         |                           | 26.62                      |                            | 27.0                | 1.0      |     |
| 160                          | 64QAM      | 1       | 1         |                           | 25.11                      |                            | 25.5                | 2.5      |     |
| 100                          | 256QAM     | 1       | 1         |                           | 23.07                      |                            | 23.5                | 4.5      |     |
| Channel                      |            |         |           | 64666                     | 65000                      | 65234                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3745.02                   | 3750                       | 3756.01                    | Turn-up limit (dBm) | MPR (dB) |     |
| 90                           | QPSK       | 1       | 1         |                           | 26.69                      | 26.68                      | 26.64               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64634                     | 65000                      | 65066                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3740.01                   | 3750                       | 3760.02                    | Turn-up limit (dBm) | MPR (dB) |     |
| 80                           | QPSK       | 1       | 1         |                           | 26.65                      | 26.60                      | 26.66               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64590                     | 65000                      | 65010                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3735                      | 3750                       | 3765                       | Turn-up limit (dBm) | MPR (dB) |     |
| 70                           | QPSK       | 1       | 1         |                           | 26.69                      | 26.70                      | 26.75               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64666                     | 65000                      | 65134                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3742.02                   | 3750                       | 3762.01                    | Turn-up limit (dBm) | MPR (dB) |     |
| 60                           | QPSK       | 1       | 1         |                           | 26.64                      | 26.66                      | 26.73               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64634                     | 65000                      | 65166                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3735.01                   | 3750                       | 3775.02                    | Turn-up limit (dBm) | MPR (dB) |     |
| 50                           | QPSK       | 1       | 1         |                           | 26.72                      | 26.66                      | 26.73               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64670                     | 65000                      | 65200                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3720                      | 3750                       | 3780                       | Turn-up limit (dBm) | MPR (dB) |     |
| 40                           | QPSK       | 1       | 1         |                           | 26.75                      | 26.64                      | 26.67               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64768                     | 65000                      | 65234                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3715.02                   | 3750                       | 3765.01                    | Turn-up limit (dBm) | MPR (dB) |     |
| 30                           | QPSK       | 1       | 1         |                           | 26.64                      | 26.71                      | 26.64               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64700                     | 65000                      | 65200                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3712.5                    | 3750                       | 3787.5                     | Turn-up limit (dBm) | MPR (dB) |     |
| 25                           | QPSK       | 1       | 1         |                           | 26.68                      | 26.67                      | 26.69               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64734                     | 65000                      | 65268                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3718.01                   | 3750                       | 3780.01                    | Turn-up limit (dBm) | MPR (dB) |     |
| 20                           | QPSK       | 1       | 1         |                           | 26.73                      | 26.74                      | 26.71               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64716                     | 65000                      | 65284                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3707.52                   | 3750                       | 3792.51                    | Turn-up limit (dBm) | MPR (dB) |     |
| 15                           | QPSK       | 1       | 1         |                           | 26.66                      | 26.69                      | 26.66               | 28.0     | 0.0 |
| Channel                      |            |         |           | 64750                     | 65000                      | 65300                      |                     |          |     |
| Frequency (MHz)              |            |         |           | 3705                      | 3750                       | 3795                       | Turn-up limit (dBm) | MPR (dB) |     |
| 10                           | QPSK       | 1       | 1         |                           | 26.70                      | 26.67                      | 26.74               | 28.0     | 0.0 |

| Part27Q 78 Ant4 Default |            |         |           |                      |                         |                       |                     |          |     |
|-------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|-----|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch./ Freq. | Power Middle Ch./ Freq. | Power High Ch./ Freq. | Turn-up limit (dBm) | MPR (dB) |     |
| Channel                 |            |         |           | 633334               | 3500 01                 |                       |                     |          |     |
| Frequency (MHz)         |            |         |           |                      | 3500 01                 |                       |                     |          |     |
| 100                     | Pa2 BPSK   | 1       | 1         |                      | 23.94                   |                       |                     |          |     |
| 100                     | Pa2 BPSK   | 1       | 137       |                      | 24.52                   |                       | 25.0                | 0.0      |     |
| 100                     | Pa2 BPSK   | 1       | 271       |                      | 24.52                   |                       |                     |          |     |
| 100                     | Pa2 BPSK   | 135     | 0         |                      | 24.42                   |                       | 25.0                | 0.0      |     |
| 100                     | Pa2 BPSK   | 135     | 69        |                      | 24.01                   |                       | 25.0                | 0.0      |     |
| 100                     | Pa2 BPSK   | 135     | 136       |                      | 24.47                   |                       | 25.0                | 0.0      |     |
| 100                     | Pa2 BPSK   | 270     | 0         |                      | 24.46                   |                       |                     |          |     |
| 100                     | QPSK       | 1       | 1         |                      | 23.98                   |                       |                     |          |     |
| 100                     | QPSK       | 1       | 137       |                      | 24.06                   |                       | 25.0                | 0.0      |     |
| 100                     | QPSK       | 1       | 271       |                      | 23.98                   |                       |                     |          |     |
| 100                     | QPSK       | 135     | 0         |                      | 24.59                   |                       | 25.0                | 0.0      |     |
| 100                     | QPSK       | 135     | 69        |                      | 24.63                   |                       | 25.0                | 0.0      |     |
| 100                     | QPSK       | 135     | 136       |                      | 24.61                   |                       | 25.0                | 0.0      |     |
| 100                     | QPSK       | 270     | 0         |                      | 24.54                   |                       |                     |          |     |
| 100                     | 16QAM      | 1       | 1         |                      | 23.92                   |                       |                     |          |     |
| 100                     | 64QAM      | 1       | 1         |                      | 23.86                   |                       |                     |          |     |
| 100                     | 256QAM     | 1       | 1         |                      | 22.83                   |                       | 23.5                | 1.5      |     |
| Channel                 |            |         |           | 633500               | 633334                  | 633668                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3496                 | 3500 01                 | 3658 02               |                     |          |     |
| 90                      | QPSK       | 1       | 1         |                      | 23.86                   | 23.98                 | 23.94               | 25.0     |     |
| Channel                 |            |         |           | 633668               | 633334                  | 634000                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3490 02              | 3500 01                 | 3510                  |                     |          |     |
| 80                      | QPSK       | 1       | 1         |                      | 23.53                   | 23.87                 | 23.86               | 25.0     | 0.0 |
| Channel                 |            |         |           | 634034               | 633334                  | 634334                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3486 01              | 3500 01                 | 3515 01               |                     |          |     |
| 70                      | QPSK       | 1       | 1         |                      | 23.89                   | 23.92                 | 23.92               | 25.0     | 0.0 |
| Channel                 |            |         |           | 632000               | 633334                  | 634668                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3492 01              | 3500 01                 | 3512 02               |                     |          |     |
| 60                      | QPSK       | 1       | 1         |                      | 23.96                   | 23.94                 | 23.91               | 25.0     | 0.0 |
| Channel                 |            |         |           | 631668               | 633334                  | 635000                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3475 02              | 3500 01                 | 3525                  |                     |          |     |
| 50                      | QPSK       | 1       | 1         |                      | 23.91                   | 23.97                 | 23.87               | 25.0     | 0.0 |
| Channel                 |            |         |           | 631834               | 633334                  | 635334                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3470 01              | 3500 01                 | 3530 01               |                     |          |     |
| 40                      | QPSK       | 1       | 1         |                      | 23.87                   | 23.89                 | 23.95               | 25.0     | 0.0 |
| Channel                 |            |         |           | 631000               | 633334                  | 635668                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3465 00 01           | 3500 01                 | 3535 02               |                     |          |     |
| 30                      | QPSK       | 1       | 1         |                      | 23.85                   | 23.89                 | 23.90               | 25.0     | 0.0 |
| Channel                 |            |         |           | 630334               | 633334                  | 636334                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3462 51              | 3500 01                 | 3537 51               |                     |          |     |
| 25                      | QPSK       | 1       | 1         |                      | 23.90                   | 23.89                 | 23.94               | 25.0     | 0.0 |
| Channel                 |            |         |           | 635668               | 633334                  | 636000                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3468 02              | 3500 01                 | 3540                  |                     |          |     |
| 20                      | QPSK       | 1       | 1         |                      | 23.88                   | 23.92                 | 23.90               | 25.0     | 0.0 |
| Channel                 |            |         |           | 636000               | 633334                  | 636168                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3457 5               | 3500 01                 | 3542 52               |                     |          |     |
| 15                      | QPSK       | 1       | 1         |                      | 23.85                   | 23.88                 | 23.97               | 25.0     | 0.0 |
| Channel                 |            |         |           | 636334               | 633334                  | 636334                | Turn-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)         |            |         |           | 3455 01              | 3500 01                 | 3545 01               |                     |          |     |
| 10                      | QPSK       | 1       | 1         |                      | 23.95                   | 23.91                 | 23.92               | 25.0     | 0.0 |

| Part27Q 78 PC2 Ant4 Default |                 |         |           |                        |                           |                         |                        |             |     |
|-----------------------------|-----------------|---------|-----------|------------------------|---------------------------|-------------------------|------------------------|-------------|-----|
| BW [MHz]                    | Modulation      | RB Size | RB Offset | Power Low<br>Ch. Freq. | Power Middle<br>Ch. Freq. | Power High<br>Ch. Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | PI2 BPSK        | 1       | 1         |                        | 26.52                     |                         |                        |             |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | PI2 BPSK        | 1       | 137       |                        | 27.66                     |                         | 28.0                   | 0.0         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | PI2 BPSK        | 1       | 271       |                        | 27.19                     |                         | 27.5                   | 0.6         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | PI2 BPSK        | 135     | 69        |                        | 26.47                     |                         | 28.0                   | 0.5         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | PI2 BPSK        | 135     | 138       |                        | 26.88                     |                         | 27.5                   | 0.5         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | PI2 BPSK        | 270     | 0         |                        | 26.84                     |                         |                        |             |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | QPSK            | 1       | 1         |                        | 26.80                     |                         |                        |             |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | QPSK            | 1       | 137       |                        | 27.71                     |                         | 28.0                   | 0.0         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | QPSK            | 1       | 271       |                        | 27.31                     |                         |                        |             |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | QPSK            | 135     | 0         |                        | 26.23                     |                         | 27.0                   | 1.0         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | QPSK            | 135     | 69        |                        | 27.64                     |                         | 28.0                   | 0.5         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | QPSK            | 135     | 138       |                        | 26.74                     |                         | 27.0                   | 1.0         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | 16QAM           | 1       | 1         |                        | 25.40                     |                         | 27.0                   | 1.0         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | 64QAM           | 1       | 1         |                        | 24.32                     |                         | 25.5                   | 2.5         |     |
|                             | Channel         |         |           | 633354                 | 3500 01                   |                         |                        |             |     |
|                             | Frequency (MHz) |         |           |                        | 3500 01                   |                         |                        |             |     |
| 100                         | 256QAM          | 1       | 1         |                        | 22.87                     |                         | 23.5                   | 4.5         |     |
|                             | Channel         |         |           | 633000                 | 633334                    | 633666                  |                        |             |     |
|                             | Frequency (MHz) |         |           | 3486                   | 3500 01                   | 3658 02                 | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
| 90                          | QPSK            | 1       | 1         |                        | 26.97                     | 26.86                   | 26.94                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 632666                 | 633334                    | 634000                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3486 02                   | 3500 01                 | 3510                   |             |     |
| 80                          | QPSK            | 1       | 1         |                        | 26.87                     | 26.92                   | 26.90                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 632334                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3486 01                   | 3500 01                 | 3515 01                |             |     |
| 70                          | QPSK            | 1       | 1         |                        | 26.56                     | 26.66                   | 26.65                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 632000                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3486 01                   | 3500 01                 | 3510 01                |             |     |
| 60                          | QPSK            | 1       | 1         |                        | 26.34                     | 26.37                   | 26.31                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 631666                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3476 02                   | 3500 01                 | 3525                   |             |     |
| 50                          | QPSK            | 1       | 1         |                        | 26.30                     | 26.30                   | 27.00                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 631334                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3470 01                   | 3500 01                 | 3530 01                |             |     |
| 40                          | QPSK            | 1       | 1         |                        | 26.91                     | 26.94                   | 26.94                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 631000                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3465 00                   | 3500 01                 | 3535 02                |             |     |
| 30                          | QPSK            | 1       | 1         |                        | 26.99                     | 26.98                   | 26.97                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 630654                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3462 51                   | 3500 01                 | 3537 51                |             |     |
| 25                          | QPSK            | 1       | 1         |                        | 26.92                     | 26.99                   | 26.90                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 630666                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3462 54                   | 3500 01                 | 3542 52                |             |     |
| 20                          | QPSK            | 1       | 1         |                        | 26.88                     | 26.93                   | 26.95                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 630600                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3457 5                    | 3500 01                 | 3542 52                |             |     |
| 15                          | QPSK            | 1       | 1         |                        | 26.91                     | 26.99                   | 27.00                  | 28.0        | 0.0 |
|                             | Channel         |         |           | 630334                 | 633334                    | 633666                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
|                             | Frequency (MHz) |         |           |                        | 3455 01                   | 3500 01                 | 3545 01                |             |     |
| 10                          | QPSK            | 1       | 1         |                        | 26.99                     | 26.92                   | 26.90                  | 28.0        | 0.0 |

| n7 Ant5 Default |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 25.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 23.81                    | 23.92                       | 23.88                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 23.58                    | 23.73                       | 23.68                     | 24.5                   | 0.5         |
| 50              | PI/2 BPSK  | 1       | 131       | 23.53                    | 23.60                       | 23.51                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 0         | 23.41                    | 23.50                       | 23.43                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 23.73                    | 23.84                       | 23.76                     | 25.0                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 69        | 23.19                    | 23.27                       | 23.13                     | 24.5                   | 0.5         |
| 50              | PI/2 BPSK  | 128     | 0         | 23.25                    | 23.39                       | 23.28                     |                        |             |
| 50              | QPSK       | 1       | 1         | 23.81                    | 23.95                       | 23.88                     |                        |             |
| 50              | QPSK       | 1       | 67        | 23.67                    | 23.77                       | 23.65                     | 25.0                   | 0.0         |
| 50              | QPSK       | 1       | 131       | 23.61                    | 23.68                       | 23.59                     |                        |             |
| 50              | QPSK       | 64      | 0         | 22.82                    | 22.92                       | 22.78                     | 24.0                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 23.84                    | 23.91                       | 23.87                     | 25.0                   | 0.0         |
| 50              | QPSK       | 64      | 69        | 22.75                    | 22.90                       | 22.81                     |                        |             |
| 50              | QPSK       | 128     | 0         | 22.73                    | 22.87                       | 22.74                     | 24.0                   | 1.0         |
| 50              | 16QAM      | 1       | 1         | 22.53                    | 22.47                       | 22.55                     | 24.0                   | 1.0         |
| 50              | 64QAM      | 1       | 1         | 21.05                    | 21.03                       | 21.01                     | 22.5                   | 2.5         |
| 50              | 256QAM     | 1       | 1         | 19.51                    | 19.65                       | 19.51                     | 20.5                   | 4.5         |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2530                     | 2535                        | 2550                      |                        |             |
| 40              | QPSK       | 1       | 1         | 23.68                    | 23.88                       | 23.78                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 23.68                    | 23.80                       | 23.76                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 23.67                    | 23.80                       | 23.84                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | QPSK       | 1       | 1         | 23.72                    | 23.82                       | 23.77                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 23.75                    | 23.86                       | 23.79                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 23.77                    | 23.80                       | 23.81                     |                        |             |

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Power High<br>Ch./Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|------------------------|-------------|
| Channel         |            |         |           | 518004                 | 519000                    | 519996                  |                        |             |
| Frequency (MHz) |            |         |           | 2590.02                | 2595                      | 2599.98                 |                        |             |
| 40              | PV2 BPSK   | 1       | 1         | 23.01                  | 23.08                     | 23.04                   |                        |             |
| 40              | PV2 BPSK   | 1       | 53        | 23.08                  | 23.07                     | 23.08                   | 25.5                   | 0.0         |
| 40              | PV2 BPSK   | 1       | 104       | 23.52                  | 23.57                     | 23.54                   |                        |             |
| 40              | PV2 BPSK   | 50      | 0         | 23.38                  | 23.47                     | 23.40                   | 25.0                   | 0.5         |
| 40              | PV2 BPSK   | 50      | 28        | 23.91                  | 24.02                     | 23.89                   | 25.5                   | 0.0         |
| 40              | PV2 BPSK   | 50      | 56        | 23.38                  | 23.48                     | 23.34                   | 25.0                   | 0.5         |
| 40              | PV2 BPSK   | 100     | 0         | 23.36                  | 23.53                     | 23.50                   |                        |             |
| 40              | QPSK       | 1       | 1         | 23.57                  | 23.71                     | 23.65                   |                        |             |
| 40              | QPSK       | 1       | 53        | 23.97                  | 24.12                     | 23.98                   | 25.5                   | 0.0         |
| 40              | QPSK       | 1       | 104       | 23.52                  | 23.62                     | 23.56                   |                        |             |
| 40              | QPSK       | 50      | 0         | 22.98                  | 23.16                     | 23.86                   | 24.5                   | 1.0         |
| 40              | QPSK       | 50      | 28        | 23.97                  | 24.04                     | 23.98                   | 25.5                   | 0.0         |
| 40              | QPSK       | 50      | 56        | 22.79                  | 22.93                     | 22.83                   | 24.5                   | 1.0         |
| 40              | QPSK       | 100     | 0         | 22.93                  | 22.96                     | 22.81                   |                        |             |
| 40              | 13QAM      | 1       | 1         | 22.78                  | 22.79                     | 22.71                   | 24.5                   | 1.0         |
| 40              | 64QAM      | 1       | 1         | 21.23                  | 21.33                     | 21.26                   | 23.0                   | 2.5         |
| 40              | 256QAM     | 1       | 1         | 19.68                  | 19.76                     | 19.63                   | 21.0                   | 4.5         |
| Channel         |            |         |           | 517002                 | 519000                    | 520998                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2585.01                | 2595                      | 2604.99                 |                        |             |
| 30              | QPSK       | 1       | 1         | 23.68                  | 23.88                     | 23.70                   | 25.5                   | 0.0         |
| Channel         |            |         |           | 516004                 | 519000                    | 520998                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2570.02                | 2595                      | 2604.99                 |                        |             |
| 20              | QPSK       | 1       | 1         | 23.71                  | 23.78                     | 23.72                   | 25.5                   | 0.0         |
| Channel         |            |         |           | 516000                 | 519000                    | 522000                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2580                   | 2595                      | 2610                    |                        |             |
| 20              | QPSK       | 1       | 1         | 23.74                  | 23.85                     | 23.74                   | 25.5                   | 0.0         |
| Channel         |            |         |           | 515502                 | 519000                    | 522498                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2575.51                | 2595                      | 2612.49                 |                        |             |
| 15              | QPSK       | 1       | 1         | 23.69                  | 23.88                     | 23.76                   | 25.5                   | 0.0         |
| Channel         |            |         |           | 515004                 | 519000                    | 522998                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2570.02                | 2595                      | 2614.98                 |                        |             |
| 10              | QPSK       | 1       | 1         | 23.66                  | 23.80                     | 23.82                   | 25.5                   | 0.0         |

| n41 Ant5 Default |            |         |           |                          |                          |                          |                        |          |  |
|------------------|------------|---------|-----------|--------------------------|--------------------------|--------------------------|------------------------|----------|--|
| BW (MHz)         | Modulation | RB Size | RB Offset | Power Level<br>Ch / Freq | Power Level<br>Ch / Freq | Power Level<br>Ch / Freq | Time-up limit<br>(dBm) | MPR (dB) |  |
| Channel          |            |         |           | 506200                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 254.01                   | 259.79                   | 260.0                    |                        |          |  |
| 100              | PB2 BPSK   | 1       | 1         | 23.52                    | 23.54                    | 23.55                    |                        |          |  |
| 100              | PB2 BPSK   | 1       | 137       | 24.05                    | 24.14                    | 24.03                    | 25.5                   | 0.0      |  |
| 100              | PB2 BPSK   | 1       | 271       | 23.61                    | 23.58                    | 23.51                    |                        |          |  |
| 100              | PB2 BPSK   | 135     | 0         | 23.44                    | 23.53                    | 23.48                    | 25.0                   | 0.5      |  |
| 100              | PB2 BPSK   | 135     | 69        | 23.94                    | 24.08                    | 23.96                    | 25.5                   | 0.0      |  |
| 100              | PB2 BPSK   | 135     | 138       | 23.38                    | 23.44                    | 23.41                    | 25.0                   | 0.5      |  |
| 100              | PB2 BPSK   | 270     | 0         | 23.37                    | 23.47                    | 23.34                    | 25.0                   | 1.0      |  |
| 100              | QPSK       | 1       | 1         | 23.54                    | 23.62                    | 23.57                    |                        |          |  |
| 100              | QPSK       | 1       | 137       | 24.10                    | 24.17                    | 24.07                    | 25.5                   | 0.0      |  |
| 100              | QPSK       | 1       | 271       | 23.53                    | 23.56                    | 23.62                    |                        |          |  |
| 100              | QPSK       | 135     | 0         | 22.92                    | 23.05                    | 22.92                    | 24.5                   | 1.0      |  |
| 100              | QPSK       | 135     | 69        | 24.00                    | 24.14                    | 24.02                    | 25.5                   | 0.0      |  |
| 100              | QPSK       | 135     | 138       | 22.86                    | 22.96                    | 22.89                    | 24.5                   | 1.0      |  |
| 100              | QPSK       | 270     | 0         | 22.92                    | 23.06                    | 22.91                    | 24.5                   | 1.0      |  |
| 100              | 16QAM      | 1       | 1         | 22.67                    | 22.75                    | 22.63                    | 24.5                   | 1.0      |  |
| 100              | 64QAM      | 1       | 1         | 21.34                    | 21.17                    | 21.23                    | 23.0                   | 2.5      |  |
| 100              | 256QAM     | 1       | 1         | 19.46                    | 19.58                    | 19.42                    | 21.0                   | 4.5      |  |
| Channel          |            |         |           | 506200                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 254.01                   | 259.79                   | 260.0                    |                        |          |  |
| 90               | QPSK       | 1       | 1         | 23.92                    | 24.03                    | 23.87                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 507204                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 258.02                   | 260.99                   | 260.99                   |                        |          |  |
| 80               | QPSK       | 1       | 1         | 24.36                    | 24.50                    | 24.32                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 506200                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 253.01                   | 259.79                   | 260.0                    |                        |          |  |
| 70               | QPSK       | 1       | 1         | 23.95                    | 24.05                    | 23.89                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 506200                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 2526                     | 2592.99                  | 2609.98                  |                        |          |  |
| 60               | QPSK       | 1       | 1         | 24.00                    | 23.97                    | 23.91                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 504204                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 252.02                   | 259.79                   | 260.49                   |                        |          |  |
| 50               | QPSK       | 1       | 1         | 23.87                    | 24.09                    | 23.88                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 503202                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 2516.01                  | 2592.99                  | 2670                     |                        |          |  |
| 40               | QPSK       | 1       | 1         | 23.94                    | 24.04                    | 23.95                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 502200                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 2511                     | 2592.99                  | 2674.98                  |                        |          |  |
| 30               | QPSK       | 1       | 1         | 23.98                    | 24.06                    | 23.91                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 501200                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 2506.02                  | 2592.99                  | 2679.99                  |                        |          |  |
| 20               | QPSK       | 1       | 1         | 23.95                    | 24.07                    | 23.91                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 500700                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 2503.5                   | 2592.99                  | 2682.48                  |                        |          |  |
| 15               | QPSK       | 1       | 1         | 23.93                    | 23.99                    | 23.93                    | 25.5                   | 0.0      |  |
| Channel          |            |         |           | 500200                   | 518598                   | 520000                   |                        |          |  |
| Frequency (MHz)  |            |         |           | 2501.01                  | 2592.99                  | 2686                     |                        |          |  |
| 10               | QPSK       | 1       | 1         | 24.01                    | 24.04                    | 23.94                    | 25.5                   | 0.0      |  |

| Par270 n77 Ant5 Default |            |         |           |                      |                      |                       |                     |          |
|-------------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|---------------------|----------|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Turn-up limit (dBm) | MPR (dB) |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 650000               | 650000               | 662000                |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 3162                 | 3162                 | 3162                  |                     |          |
| 100                     | PV2 BPSK   | 1       | 1         | 22.66                | 22.86                | 22.87                 |                     |          |
| 100                     | PV2 BPSK   | 1       | 137       | 23.16                | 23.24                | 23.16                 | 24.0                | 0.0      |
| 100                     | PV2 BPSK   | 1       | 271       | 22.64                | 22.78                | 22.68                 |                     |          |
| 100                     | PV2 BPSK   | 195     | 0         | 22.81                | 22.81                | 22.82                 | 23.5                | 0.5      |
| 100                     | PV2 BPSK   | 195     | 69        | 23.16                | 23.31                | 23.16                 | 24.0                | 0.5      |
| 100                     | PV2 BPSK   | 135     | 135       | 22.65                | 22.74                | 22.65                 | 24.0                | 0.0      |
| 100                     | PV2 BPSK   | 270     | 0         | 22.56                | 22.77                | 22.71                 | 23.5                | 0.0      |
| 100                     | QPSK       | 1       | 1         | 22.80                | 22.91                | 22.86                 |                     |          |
| 100                     | QPSK       | 1       | 137       | 23.32                | 23.43                | 23.42                 | 24.0                | 0.0      |
| 100                     | QPSK       | 1       | 271       | 22.83                | 22.82                | 22.83                 |                     |          |
| 100                     | QPSK       | 195     | 0         | 22.26                | 22.27                | 22.15                 | 23.0                | 1.0      |
| 100                     | QPSK       | 135     | 69        | 23.25                | 23.39                | 23.34                 | 24.0                | 0.0      |
| 100                     | QPSK       | 135     | 135       | 22.02                | 22.23                | 22.08                 | 23.0                | 1.0      |
| 100                     | QPSK       | 270     | 0         | 22.00                | 22.20                | 21.99                 | 23.0                | 0.0      |
| 100                     | 16QAM      | 1       | 1         | 21.67                | 21.89                | 21.80                 | 23.0                | 1.0      |
| 100                     | 64QAM      | 1       | 1         | 20.27                | 20.47                | 20.37                 | 21.5                | 2.5      |
| 100                     | 256QAM     | 1       | 1         | 18.69                | 18.87                | 18.57                 | 19.5                | 4.5      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 646668               | 650000               | 663334                | Turn-up limit (dBm) | MPR (dB) |
| 90                      | QPSK       | 1       | 1         | 22.97                | 22.87                | 22.93                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 646334               | 650000               | 662668                | Turn-up limit (dBm) | MPR (dB) |
| 80                      | QPSK       | 1       | 1         | 22.99                | 22.86                | 22.86                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 646000               | 650000               | 663000                | Turn-up limit (dBm) | MPR (dB) |
| 70                      | QPSK       | 1       | 1         | 22.91                | 22.88                | 22.95                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 646668               | 650000               | 663334                | Turn-up limit (dBm) | MPR (dB) |
| 60                      | QPSK       | 1       | 1         | 22.97                | 22.91                | 22.87                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 646334               | 650000               | 662668                | Turn-up limit (dBm) | MPR (dB) |
| 50                      | QPSK       | 1       | 1         | 22.92                | 22.98                | 22.90                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 646000               | 650000               | 664000                | Turn-up limit (dBm) | MPR (dB) |
| 40                      | QPSK       | 1       | 1         | 22.96                | 23.00                | 22.90                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 645668               | 650000               | 663334                | Turn-up limit (dBm) | MPR (dB) |
| 30                      | QPSK       | 1       | 1         | 22.90                | 22.90                | 22.94                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 646334               | 650000               | 664500                | Turn-up limit (dBm) | MPR (dB) |
| 25                      | QPSK       | 1       | 1         | 22.88                | 23.00                | 22.90                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 646224               | 650000               | 664668                | Turn-up limit (dBm) | MPR (dB) |
| 20                      | QPSK       | 1       | 1         | 22.91                | 22.93                | 22.89                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 647168               | 650000               | 664834                | Turn-up limit (dBm) | MPR (dB) |
| 15                      | QPSK       | 1       | 1         | 22.97                | 23.01                | 22.92                 | 24.0                | 0.0      |
| Channel                 |            |         |           |                      |                      |                       |                     |          |
| Frequency (MHz)         |            |         |           |                      |                      |                       |                     |          |
|                         |            |         |           | 647000               | 650000               | 665000                | Turn-up limit (dBm) | MPR (dB) |
| 10                      | QPSK       | 1       | 1         | 22.94                | 22.91                | 22.90                 | 24.0                | 0.0      |

| Part27Q n77 Ant5 Default |            |         |           |                       |                          |                        |                     |          |     |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (dB) |     |
| Channel                  |            |         |           | 633334                |                          |                        |                     |          |     |
| Frequency (MHz)          |            |         |           | 3500.02               |                          |                        |                     |          |     |
| 100                      | PV2 BPSK   | 1       | 1         |                       | 22.96                    |                        |                     |          |     |
| 100                      | PV2 BPSK   | 1       | 137       |                       | 23.50                    |                        | 24.0                | 0.0      |     |
| 100                      | PV2 BPSK   | 1       | 271       |                       | 23.02                    |                        |                     |          |     |
| 100                      | PV2 BPSK   | 135     | 0         |                       | 22.94                    |                        | 23.5                | 0.5      |     |
| 100                      | PV2 BPSK   | 135     | 69        |                       | 23.41                    |                        | 24.0                | 0.0      |     |
| 100                      | PV2 BPSK   | 135     | 138       |                       | 22.88                    |                        | 23.5                | 0.5      |     |
| 100                      | PV2 BPSK   | 270     | 0         |                       | 22.87                    |                        |                     |          |     |
| 100                      | QPSK       | 1       | 1         |                       | 23.01                    |                        |                     |          |     |
| 100                      | QPSK       | 1       | 137       |                       | 23.51                    |                        | 24.0                | 0.0      |     |
| 100                      | QPSK       | 1       | 271       |                       | 22.99                    |                        |                     |          |     |
| 100                      | QPSK       | 135     | 0         |                       | 22.98                    |                        | 23.0                | 1.0      |     |
| 100                      | QPSK       | 135     | 69        |                       | 23.45                    |                        | 24.0                | 0.0      |     |
| 100                      | QPSK       | 135     | 138       |                       | 22.44                    |                        | 23.0                | 1.0      |     |
| 100                      | QPSK       | 270     | 0         |                       | 22.31                    |                        |                     |          |     |
| 100                      | 12QAM      | 1       | 1         |                       | 21.87                    |                        | 23.0                | 1.0      |     |
| 100                      | 64QAM      | 1       | 1         |                       | 20.64                    |                        | 21.5                | 2.5      |     |
| 100                      | 256QAM     | 1       | 1         |                       | 18.71                    |                        | 19.5                | 4.5      |     |
| Channel                  |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90                       | QPSK       | 1       | 1         |                       | 22.96                    | 22.99                  | 22.99               | 24.0     | 0.0 |
| Channel                  |            |         |           | 633068                | 633334                   | 634000                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3490.02               | 3500.03                  | 3510                   |                     |          |     |
| 80                       | QPSK       | 1       | 1         |                       | 22.95                    | 22.92                  | 22.97               | 24.0     | 0.0 |
| Channel                  |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3485.01               | 3500.03                  | 3515.01                |                     |          |     |
| 70                       | QPSK       | 1       | 1         |                       | 22.94                    | 22.97                  | 22.97               | 24.0     | 0.0 |
| Channel                  |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3480                  | 3500.03                  | 3520.02                |                     |          |     |
| 60                       | QPSK       | 1       | 1         |                       | 22.91                    | 23.00                  | 22.96               | 24.0     | 0.0 |
| Channel                  |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3475.02               | 3500.03                  | 3525                   |                     |          |     |
| 50                       | QPSK       | 1       | 1         |                       | 22.90                    | 22.98                  | 23.04               | 24.0     | 0.0 |
| Channel                  |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40                       | QPSK       | 1       | 1         |                       | 23.00                    | 22.94                  | 22.92               | 24.0     | 0.0 |
| Channel                  |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3465                  | 3500.03                  | 3505.02                |                     |          |     |
| 30                       | QPSK       | 1       | 1         |                       | 22.98                    | 23.02                  | 22.97               | 24.0     | 0.0 |
| Channel                  |            |         |           | 630834                | 633334                   | 635934                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3462.51               | 3500.03                  | 3537.51                |                     |          |     |
| 25                       | QPSK       | 1       | 1         |                       | 22.93                    | 22.94                  | 23.03               | 24.0     | 0.0 |
| Channel                  |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3460.02               | 3500.03                  | 3540                   |                     |          |     |
| 20                       | QPSK       | 1       | 1         |                       | 22.94                    | 22.99                  | 23.04               | 24.0     | 0.0 |
| Channel                  |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15                       | QPSK       | 1       | 1         |                       | 22.99                    | 22.94                  | 23.02               | 24.0     | 0.0 |
| Channel                  |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3455.01               | 3500.02                  | 3545.01                |                     |          |     |
| 10                       | QPSK       | 1       | 1         |                       | 22.94                    | 22.95                  | 23.00               | 24.0     | 0.0 |

| Part27O n78 Ant5 Default |            |         |           |                       |                          |                        |                     |          |     |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (dB) |     |
| Channel                  |            |         |           | 650000                |                          |                        |                     |          |     |
| Frequency (MHz)          |            |         |           | 3750                  |                          | 3750                   |                     |          |     |
| 100                      | PV2 BPSK   | 1       | 1         |                       | 21.63                    |                        |                     |          |     |
| 100                      | PV2 BPSK   | 1       | 137       |                       | 22.23                    |                        | 23.0                | 0.0      |     |
| 100                      | PV2 BPSK   | 1       | 271       |                       | 21.67                    |                        |                     |          |     |
| 100                      | PV2 BPSK   | 135     | 0         |                       | 22.17                    |                        | 23.0                | 0.0      |     |
| 100                      | PV2 BPSK   | 135     | 69        |                       | 22.21                    |                        | 23.0                | 0.0      |     |
| 100                      | PV2 BPSK   | 135     | 138       |                       | 22.11                    |                        | 23.0                | 0.0      |     |
| 100                      | PV2 BPSK   | 270     | 0         |                       | 22.12                    |                        |                     |          |     |
| 100                      | QPSK       | 1       | 1         |                       | 21.66                    |                        |                     |          |     |
| 100                      | QPSK       | 1       | 137       |                       | 22.24                    |                        | 23.0                | 0.0      |     |
| 100                      | QPSK       | 1       | 271       |                       | 21.74                    |                        |                     |          |     |
| 100                      | QPSK       | 135     | 0         |                       | 22.11                    |                        | 23.0                | 0.0      |     |
| 100                      | QPSK       | 135     | 69        |                       | 22.24                    |                        | 23.0                | 0.0      |     |
| 100                      | QPSK       | 135     | 138       |                       | 22.17                    |                        | 23.0                | 0.0      |     |
| 100                      | QPSK       | 270     | 0         |                       | 22.08                    |                        |                     |          |     |
| 100                      | 12QAM      | 1       | 1         |                       | 21.38                    |                        | 23.0                | 0.0      |     |
| 100                      | 64QAM      | 1       | 1         |                       | 21.47                    |                        | 23.0                | 0.0      |     |
| 100                      | 256QAM     | 1       | 1         |                       | 20.53                    |                        | 21.5                | 1.5      |     |
| Channel                  |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                       | QPSK       | 1       | 1         |                       | 21.64                    | 21.67                  | 21.64               | 23.0     | 0.0 |
| Channel                  |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                       | QPSK       | 1       | 1         |                       | 21.67                    | 21.69                  | 21.62               | 23.0     | 0.0 |
| Channel                  |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                       | QPSK       | 1       | 1         |                       | 21.63                    | 21.67                  | 21.61               | 23.0     | 0.0 |
| Channel                  |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                       | QPSK       | 1       | 1         |                       | 21.69                    | 21.72                  | 21.60               | 23.0     | 0.0 |
| Channel                  |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50                       | QPSK       | 1       | 1         |                       | 21.70                    | 21.67                  | 21.64               | 23.0     | 0.0 |
| Channel                  |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                       | QPSK       | 1       | 1         |                       | 21.61                    | 21.67                  | 21.73               | 23.0     | 0.0 |
| Channel                  |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30                       | QPSK       | 1       | 1         |                       | 21.65                    | 21.70                  | 21.73               | 23.0     | 0.0 |
| Channel                  |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |     |
| 25                       | QPSK       | 1       | 1         |                       | 21.73                    | 21.60                  | 21.68               | 23.0     | 0.0 |
| Channel                  |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3710.01               | 3750                     | 3792.02                |                     |          |     |
| 20                       | QPSK       | 1       | 1         |                       | 21.64                    | 21.62                  | 21.66               | 23.0     | 0.0 |
| Channel                  |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |
| 15                       | QPSK       | 1       | 1         |                       | 21.73                    | 21.61                  | 21.68               | 23.0     | 0.0 |
| Channel                  |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)          |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                       | QPSK       | 1       | 1         |                       | 21.70                    | 21.67                  | 21.72               | 23.0     | 0.0 |

| Part27O n78 PC2 Ant5 Default |            |         |           |                       |                          |                        |                     |          |     |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (dB) |     |
| Channel                      |            |         |           | 650000                |                          |                        |                     |          |     |
| Frequency (MHz)              |            |         |           | 3750                  |                          | 3750                   |                     |          |     |
| 100                          | PV2 BPSK   | 1       | 1         |                       | 24.64                    |                        |                     |          |     |
| 100                          | PV2 BPSK   | 1       | 137       |                       | 25.19                    |                        | 26.0                | 0.0      |     |
| 100                          | PV2 BPSK   | 1       | 271       |                       | 24.68                    |                        |                     |          |     |
| 100                          | PV2 BPSK   | 135     | 0         |                       | 24.69                    |                        | 25.5                | 0.5      |     |
| 100                          | PV2 BPSK   | 135     | 69        |                       | 25.15                    |                        | 26.0                | 0.0      |     |
| 100                          | PV2 BPSK   | 135     | 138       |                       | 24.61                    |                        | 25.5                | 0.5      |     |
| 100                          | PV2 BPSK   | 270     | 0         |                       | 24.56                    |                        |                     |          |     |
| 100                          | QPSK       | 1       | 1         |                       | 24.64                    |                        |                     |          |     |
| 100                          | QPSK       | 1       | 137       |                       | 25.25                    |                        | 26.0                | 0.0      |     |
| 100                          | QPSK       | 1       | 271       |                       | 24.71                    |                        |                     |          |     |
| 100                          | QPSK       | 135     | 0         |                       | 24.05                    |                        | 25.0                | 1.0      |     |
| 100                          | QPSK       | 135     | 69        |                       | 25.18                    |                        | 26.0                | 0.0      |     |
| 100                          | QPSK       | 135     | 138       |                       | 24.08                    |                        | 25.0                | 1.0      |     |
| 100                          | QPSK       | 270     | 0         |                       | 24.03                    |                        |                     |          |     |
| 100                          | 12QAM      | 1       | 1         |                       | 23.48                    |                        | 25.0                | 1.0      |     |
| 100                          | 64QAM      | 1       | 1         |                       | 22.02                    |                        | 23.5                | 2.5      |     |
| 100                          | 256QAM     | 1       | 1         |                       | 20.63                    |                        | 21.5                | 4.5      |     |
| Channel                      |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)              |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                           | QPSK       | 1       | 1         |                       | 24.70                    | 24.60                  | 24.64               | 26.0     | 0.0 |
| Channel                      |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)              |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                           | QPSK       | 1       | 1         |                       | 24.64                    | 24.71                  | 24.60               | 26.0     | 0.0 |
| Channel                      |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)              |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                           | QPSK       | 1       | 1         |                       | 24.63                    | 24.59                  | 24.68               | 26.0     | 0.0 |
| Channel                      |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)              |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                           | QPSK       | 1       | 1         |                       | 24.68                    | 24.60                  | 24.59               | 26.0     | 0   |

| Part27Q 78 Ant5 Default |            |         |           |                        |                           |                         |               |          |  |
|-------------------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------|----------|--|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Power High<br>Ch./Freq. | Tune-up limit | MPR (dB) |  |
| Channel                 |            |         |           | 633334                 |                           |                         |               |          |  |
| Frequency (MHz)         |            |         |           | 3500.01                |                           |                         |               |          |  |
| 100                     | PI2 BPSK   | 1       | 1         |                        | 21.53                     |                         | 23.0          | 0.0      |  |
| 100                     | PI2 BPSK   | 1       | 137       |                        | 22.05                     |                         |               |          |  |
| 100                     | PI2 BPSK   | 1       | 271       |                        | 21.62                     |                         |               |          |  |
| 100                     | PI2 BPSK   | 135     | 0         |                        | 21.91                     |                         | 23.0          | 0.0      |  |
| 100                     | PI2 BPSK   | 135     | 69        |                        | 22.04                     |                         | 23.0          | 0.0      |  |
| 100                     | PI2 BPSK   | 135     | 138       |                        | 21.96                     |                         | 23.0          | 0.0      |  |
| 100                     | PI2 BPSK   | 270     | 0         |                        | 22.02                     |                         |               |          |  |
| 100                     | QPSK       | 1       | 1         |                        | 21.58                     |                         |               |          |  |
| 100                     | QPSK       | 1       | 137       |                        | 22.18                     |                         | 23.0          | 0.0      |  |
| 100                     | QPSK       | 1       | 271       |                        | 21.67                     |                         |               |          |  |
| 100                     | QPSK       | 135     | 0         |                        | 21.96                     |                         |               |          |  |
| 100                     | QPSK       | 135     | 69        |                        | 22.10                     |                         | 23.0          | 0.0      |  |
| 100                     | QPSK       | 135     | 138       |                        | 22.01                     |                         | 23.0          | 0.0      |  |
| 100                     | QPSK       | 270     | 0         |                        | 21.98                     |                         | 23.0          | 0.0      |  |
| 100                     | 16QAM      | 1       | 1         |                        | 21.48                     |                         |               |          |  |
| 100                     | 64QAM      | 1       | 1         |                        | 21.52                     |                         |               |          |  |
| 100                     | 256QAM     | 1       | 1         |                        | 20.47                     |                         | 21.5          | 1.5      |  |
| Channel                 |            |         |           | 633000                 | 633334                    | 633668                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3495                   | 3500.01                   | 3505.02                 | 23.0          | 0.0      |  |
| 90                      | QPSK       | 1       | 1         | 21.61                  | 21.61                     | 21.61                   |               |          |  |
| Channel                 |            |         |           | 632668                 | 633334                    | 634000                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3490.02                | 3500.01                   | 3510                    | 23.0          | 0.0      |  |
| 80                      | QPSK       | 1       | 1         | 21.64                  | 21.63                     | 21.62                   |               |          |  |
| Channel                 |            |         |           | 632334                 | 633334                    | 634334                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3485.01                | 3500.01                   | 3515.01                 | 23.0          | 0.0      |  |
| 70                      | QPSK       | 1       | 1         | 21.56                  | 21.60                     | 21.53                   |               |          |  |
| Channel                 |            |         |           | 632000                 | 633334                    | 634668                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3480                   | 3500.01                   | 3520.02                 | 23.0          | 0.0      |  |
| 60                      | QPSK       | 1       | 1         | 21.65                  | 21.59                     | 21.57                   |               |          |  |
| Channel                 |            |         |           | 631668                 | 633334                    | 635000                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3475.02                | 3500.01                   | 3525                    | 23.0          | 0.0      |  |
| 50                      | QPSK       | 1       | 1         | 21.58                  | 21.62                     | 21.63                   |               |          |  |
| Channel                 |            |         |           | 631334                 | 633334                    | 635334                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3470.01                | 3500.01                   | 3530.01                 | 23.0          | 0.0      |  |
| 40                      | QPSK       | 1       | 1         | 21.59                  | 21.64                     | 21.57                   |               |          |  |
| Channel                 |            |         |           | 631000                 | 633334                    | 635668                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3465                   | 3500.01                   | 3535.02                 | 23.0          | 0.0      |  |
| 30                      | QPSK       | 1       | 1         | 21.61                  | 21.57                     | 21.61                   |               |          |  |
| Channel                 |            |         |           | 630834                 | 633334                    | 635934                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3462.51                | 3500.01                   | 3527.51                 | 23.0          | 0.0      |  |
| 25                      | QPSK       | 1       | 1         | 21.66                  | 21.53                     | 21.52                   |               |          |  |
| Channel                 |            |         |           | 630668                 | 633334                    | 636000                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3460.02                | 3500.01                   | 3530                    | 23.0          | 0.0      |  |
| 20                      | QPSK       | 1       | 1         | 21.63                  | 21.66                     | 21.62                   |               |          |  |
| Channel                 |            |         |           | 630500                 | 633334                    | 636168                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3457.5                 | 3500.01                   | 3542.52                 | 23.0          | 0.0      |  |
| 15                      | QPSK       | 1       | 1         | 21.62                  | 21.65                     | 21.60                   |               |          |  |
| Channel                 |            |         |           | 630334                 | 633334                    | 636334                  | Tune-up limit | MPR      |  |
| Frequency (MHz)         |            |         |           | 3455.01                | 3500.01                   | 3545.01                 | 23.0          | 0.0      |  |
| 10                      | QPSK       | 1       | 1         | 21.64                  | 21.60                     | 21.53                   |               |          |  |

| Part27Q 78 PC2 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)             |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                         | PI2 BPSK   | 1       | 1         |                       | 24.66                    |                        | 26.0                | 0.0      |  |
| 100                         | PI2 BPSK   | 1       | 137       |                       | 25.18                    |                        |                     |          |  |
| 100                         | PI2 BPSK   | 1       | 271       |                       | 24.74                    |                        |                     |          |  |
| 100                         | PI2 BPSK   | 135     | 0         |                       | 24.60                    |                        | 25.5                | 0.5      |  |
| 100                         | PI2 BPSK   | 135     | 69        |                       | 25.14                    |                        | 26.0                | 0.0      |  |
| 100                         | PI2 BPSK   | 135     | 138       |                       | 24.56                    |                        | 25.5                | 0.5      |  |
| 100                         | PI2 BPSK   | 270     | 0         |                       | 24.63                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 1         |                       | 24.64                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 137       |                       | 25.27                    |                        | 26.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 271       |                       | 24.73                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 24.04                    |                        | 25.0                | 1.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 25.18                    |                        | 26.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 138       |                       | 24.13                    |                        | 25.0                | 1.0      |  |
| 100                         | QPSK       | 270     | 0         |                       | 24.09                    |                        | 25.0                | 1.0      |  |
| 100                         | 16QAM      | 1       | 1         |                       | 23.44                    |                        |                     |          |  |
| 100                         | 64QAM      | 1       | 1         |                       | 22.03                    |                        |                     |          |  |
| 100                         | 256QAM     | 1       | 1         |                       | 20.64                    |                        | 21.5                | 4.5      |  |
| Channel                     |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3495                  | 3500.01                  | 3505.02                | 26.0                | 0.0      |  |
| 90                          | QPSK       | 1       | 1         | 24.70                 | 24.63                    | 24.65                  |                     |          |  |
| Channel                     |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3490.02               | 3500.01                  | 3510                   | 26.0                | 0.0      |  |
| 80                          | QPSK       | 1       | 1         | 24.59                 | 24.65                    | 24.60                  |                     |          |  |
| Channel                     |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 26.0                | 0.0      |  |
| 70                          | QPSK       | 1       | 1         | 24.68                 | 24.62                    | 24.62                  |                     |          |  |
| Channel                     |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3480                  | 3500.01                  | 3520.02                | 26.0                | 0.0      |  |
| 60                          | QPSK       | 1       | 1         | 24.63                 | 24.68                    | 24.58                  |                     |          |  |
| Channel                     |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3475.02               | 3500.01                  | 3525                   | 26.0                | 0.0      |  |
| 50                          | QPSK       | 1       | 1         | 24.57                 | 24.68                    | 24.58                  |                     |          |  |
| Channel                     |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 26.0                | 0.0      |  |
| 40                          | QPSK       | 1       | 1         | 24.64                 | 24.68                    | 24.66                  |                     |          |  |
| Channel                     |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3465                  | 3500.01                  | 3535.02                | 26.0                | 0.0      |  |
| 30                          | QPSK       | 1       | 1         | 24.57                 | 24.67                    | 24.58                  |                     |          |  |
| Channel                     |            |         |           | 630834                | 633334                   | 635934                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3462.51               | 3500.01                  | 3527.51                | 26.0                | 0.0      |  |
| 25                          | QPSK       | 1       | 1         | 24.62                 | 24.60                    | 24.59                  |                     |          |  |
| Channel                     |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3460.02               | 3500.01                  | 3530                   | 26.0                | 0.0      |  |
| 20                          | QPSK       | 1       | 1         | 24.64                 | 24.57                    | 24.65                  |                     |          |  |
| Channel                     |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 26.0                | 0.0      |  |
| 15                          | QPSK       | 1       | 1         | 24.60                 | 24.65                    | 24.63                  |                     |          |  |
| Channel                     |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 26.0                | 0.0      |  |
| 10                          | QPSK       | 1       | 1         | 24.68                 | 24.59                    | 24.66                  |                     |          |  |

Reduced Power Mode for DSI 0 ENDC\_Main PA  
DFT-30

| n5 Ant1 Default |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 166900                   | 167300                      | 167800                    | 22.7                   | 0.0         |
| Frequency (MHz) |            |         |           | 834                      | 836.5                       | 839                       |                        |             |
| 20              | PI/2 BPSK  | 1       | 1         | 20.76                    | 20.86                       | 20.77                     |                        |             |
| 20              | PI/2 BPSK  | 1       | 26        | 20.84                    | 20.84                       | 20.81                     | 22.7                   | 0.0         |
| 20              | PI/2 BPSK  | 1       | 49        | 20.86                    | 20.84                       | 20.74                     |                        |             |
| 20              | PI/2 BPSK  | 25      | 0         | 20.82                    | 20.94                       | 20.79                     |                        |             |
| 20              | PI/2 BPSK  | 25      | 13        | 20.87                    | 20.80                       | 20.79                     | 22.7                   | 0.0         |
| 20              | PI/2 BPSK  | 25      | 26        | 20.76                    | 20.98                       | 20.79                     | 22.7                   | 0.0         |
| 20              | PI/2 BPSK  | 50      | 0         | 20.91                    | 20.86                       | 20.90                     |                        |             |
| 20              | QPSK       | 1       | 1         | 20.94                    | 21.03                       | 20.89                     |                        |             |
| 20              | QPSK       | 1       | 26        | 20.72                    | 20.83                       | 20.83                     | 22.7                   | 0.0         |
| 20              | QPSK       | 1       | 49        | 20.75                    | 21.00                       | 20.71                     |                        |             |
| 20              | QPSK       | 25      | 0         | 20.95                    | 20.89                       | 20.90                     |                        |             |
| 20              | QPSK       | 25      | 13        | 20.74                    | 20.96                       | 20.80                     | 22.7                   | 0.0         |
| 20              | QPSK       | 25      | 26        | 20.89                    | 20.86                       | 20.86                     | 22.7                   | 0.0         |
| 20              | QPSK       | 50      | 0         | 20.93                    | 20.99                       | 20.78                     |                        |             |
| 20              | 16QAM      | 1       | 1         | 20.90                    | 20.84                       | 20.77                     |                        |             |
| 20              | 64QAM      | 1       | 1         | 20.86                    | 20.98                       | 20.79                     | 22.7                   | 0.0         |
| 20              | 256QAM     | 1       | 1         | 19.39                    | 19.45                       | 19.49                     | 21.2                   | 1.5         |
| Channel         |            |         |           | 166300                   | 167300                      | 168300                    | 22.7                   | 0.0         |
| Frequency (MHz) |            |         |           | 831.5                    | 836.5                       | 841.5                     |                        |             |
| 15              | QPSK       | 1       | 1         | 20.86                    | 21.00                       | 20.79                     |                        |             |
| Channel         |            |         |           | 165900                   | 167300                      | 168900                    | 22.7                   | 0.0         |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       |                        |             |
| 10              | QPSK       | 1       | 1         | 20.93                    | 20.92                       | 20.90                     |                        |             |

| n7 Ant1 DSI0    |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 19.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 17.89                    | 17.98                       | 17.65                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 17.74                    | 18.07                       | 17.72                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 1       | 131       | 17.80                    | 17.86                       | 17.62                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 0         | 17.75                    | 17.95                       | 17.72                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 17.82                    | 18.03                       | 17.73                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 69        | 17.90                    | 17.92                       | 17.75                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 128     | 0         | 17.78                    | 18.02                       | 17.61                     |                        |             |
| 50              | QPSK       | 1       | 1         | 17.92                    | 18.10                       | 17.82                     |                        |             |
| 50              | QPSK       | 1       | 67        | 17.82                    | 18.08                       | 17.61                     | 19.0                   | 0.0         |
| 50              | QPSK       | 1       | 131       | 17.81                    | 18.08                       | 17.69                     |                        |             |
| 50              | QPSK       | 64      | 0         | 17.75                    | 18.00                       | 17.63                     |                        |             |
| 50              | QPSK       | 64      | 35        | 17.74                    | 18.05                       | 17.82                     | 19.0                   | 0.0         |
| 50              | QPSK       | 64      | 69        | 17.79                    | 17.94                       | 17.68                     | 19.0                   | 0.0         |
| 50              | QPSK       | 128     | 0         | 17.73                    | 18.00                       | 17.73                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 17.80                    | 18.09                       | 17.66                     |                        |             |
| 50              | 64QAM      | 1       | 1         | 17.82                    | 17.94                       | 17.81                     | 19.0                   | 0.0         |
| 50              | 256QAM     | 1       | 1         | 17.73                    | 17.99                       | 17.73                     | 19.0                   | 0.0         |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | 19.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |
| 40              | QPSK       | 1       | 1         | 17.84                    | 18.04                       | 17.70                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | 19.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 17.76                    | 18.00                       | 17.81                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | 19.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 17.74                    | 17.93                       | 17.67                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | 19.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | QPSK       | 1       | 1         | 17.78                    | 18.04                       | 17.70                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | 19.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 17.89                    | 18.09                       | 17.68                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | 19.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 17.89                    | 17.88                       | 17.81                     |                        |             |

| Part270 n78 PC2/3 Ant3 DSI0 |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 |                     |          |     |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 13.99                    |                        | 15.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 14.03                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 13.98                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 13.88                    |                        | 15.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 14.05                    |                        | 15.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 13.89                    |                        | 15.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 13.97                    |                        | 15.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 13.78                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 137       |                       | 14.10                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 13.96                    |                        | 15.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 0         |                       | 13.95                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 69        |                       | 14.03                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 138       |                       | 13.81                    |                        | 15.0                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 13.89                    |                        | 15.0                | 0.0      |     |
| 100                         | 16QAM      | 1       | 1         |                       | 13.87                    |                        |                     |          |     |
| 100                         | 64QAM      | 1       | 1         |                       | 13.94                    |                        |                     |          |     |
| 100                         | 256QAM     | 1       | 1         |                       | 14.08                    |                        | 15.0                | 0.0      |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 13.70                    | 13.82                  | 13.78               | 15.0     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 13.90                    | 13.92                  | 13.88               | 15.0     | 0.0 |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 13.86                    | 13.90                  | 13.75               | 15.0     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 13.70                    | 13.87                  | 13.76               | 15.0     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 13.72                    | 13.72                  | 13.87               | 15.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 13.90                    | 13.81                  | 13.72               | 15.0     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 13.89                    | 13.70                  | 13.87               | 15.0     | 0.0 |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 13.69                    | 13.79                  | 13.74               | 15.0     | 0.0 |
| Channel                     |            |         |           | 647234                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |
| 20                          | QPSK       | 1       | 1         |                       | 13.80                    | 13.82                  | 13.94               | 15.0     | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 13.89                    | 13.77                  | 13.89               | 15.0     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 13.83                    | 13.85                  | 13.85               | 15.0     | 0.0 |

| Part27Q 78 PC2/3 Ant3 DSI0 |            |         |           |                       |                          |                        |                     |          |     |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                    |            |         |           |                       | 633334                   |                        |                     |          |     |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 14.04                    |                        | 15.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 14.27                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 14.23                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 14.05                    |                        | 15.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 14.11                    |                        | 15.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 14.28                    |                        | 15.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 14.29                    |                        | 15.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 1         |                       | 14.06                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 137       |                       | 14.31                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 271       |                       | 14.28                    |                        | 15.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 0         |                       | 14.28                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 69        |                       | 14.30                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 138       |                       | 14.22                    |                        | 15.0                | 0.0      |     |
| 100                        | QPSK       | 270     | 0         |                       | 14.06                    |                        | 15.0                | 0.0      |     |
| 100                        | 16QAM      | 1       | 1         |                       | 14.23                    |                        |                     |          |     |
| 100                        | 64QAM      | 1       | 1         |                       | 14.26                    |                        |                     |          |     |
| 100                        | 256QAM     | 1       | 1         |                       | 14.09                    |                        | 15.0                | 0.0      |     |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90                         | QPSK       | 1       | 1         |                       | 14.28                    | 14.28                  | 14.26               | 15.0     | 0.0 |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |     |
| 80                         | QPSK       | 1       | 1         |                       | 14.19                    | 14.17                  | 14.24               | 15.0     | 0.0 |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |
| 70                         | QPSK       | 1       | 1         |                       | 14.15                    | 14.30                  | 14.14               | 15.0     | 0.0 |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60                         | QPSK       | 1       | 1         |                       | 14.11                    | 14.20                  | 14.12               | 15.0     | 0.0 |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50                         | QPSK       | 1       | 1         |                       | 14.23                    | 14.16                  | 14.19               | 15.0     | 0.0 |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40                         | QPSK       | 1       | 1         |                       | 14.30                    | 14.22                  | 14.11               | 15.0     | 0.0 |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30                         | QPSK       | 1       | 1         |                       | 14.15                    | 14.26                  | 14.26               | 15.0     | 0.0 |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |     |
| 25                         | QPSK       | 1       | 1         |                       | 14.20                    | 14.27                  | 14.09               | 15.0     | 0.0 |
| Channel                    |            |         |           | 630568                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20                         | QPSK       | 1       | 1         |                       | 14.21                    | 14.10                  | 14.12               | 15.0     | 0.0 |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15                         | QPSK       | 1       | 1         |                       | 14.22                    | 14.26                  | 14.22               | 15.0     | 0.0 |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10                         | QPSK       | 1       | 1         |                       | 14.20                    | 14.22                  | 14.13               | 15.0     | 0.0 |



| Part270 n78 PC3 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                      |            |         |           | 650000                | 650000                   | 650000                 | 23.0                | 0.0      |  |
| Frequency (MHz)              |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                          | PI/2 BPSK  | 1       | 1         |                       | 21.63                    |                        |                     |          |  |
| 100                          | PI/2 BPSK  | 1       | 137       |                       | 22.23                    |                        |                     |          |  |
| 100                          | PI/2 BPSK  | 1       | 271       |                       | 21.67                    |                        | 23.0                | 0.0      |  |
| 100                          | PI/2 BPSK  | 135     | 0         |                       | 22.17                    |                        |                     |          |  |
| 100                          | PI/2 BPSK  | 135     | 69        |                       | 22.21                    |                        | 23.0                | 0.0      |  |
| 100                          | PI/2 BPSK  | 135     | 138       |                       | 22.11                    |                        | 23.0                | 0.0      |  |
| 100                          | PI/2 BPSK  | 270     | 0         |                       | 22.12                    |                        |                     |          |  |
| 100                          | QPSK       | 1       | 1         |                       | 21.66                    |                        | 23.0                | 0.0      |  |
| 100                          | QPSK       | 1       | 137       |                       | 22.29                    |                        |                     |          |  |
| 100                          | QPSK       | 1       | 271       |                       | 21.74                    |                        |                     |          |  |
| 100                          | QPSK       | 135     | 0         |                       | 22.11                    |                        | 23.0                | 0.0      |  |
| 100                          | QPSK       | 135     | 69        |                       | 22.24                    |                        | 23.0                | 0.0      |  |
| 100                          | QPSK       | 135     | 138       |                       | 22.17                    |                        | 23.0                | 0.0      |  |
| 100                          | QPSK       | 270     | 0         |                       | 22.09                    |                        |                     |          |  |
| 100                          | 16QAM      | 1       | 1         |                       | 21.39                    |                        | 23.0                | 0.0      |  |
| 100                          | 64QAM      | 1       | 1         |                       | 21.47                    |                        | 23.0                | 0.0      |  |
| 100                          | 256QAM     | 1       | 1         |                       | 20.53                    |                        | 21.5                | 1.5      |  |
| Channel                      |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                           | QPSK       | 1       | 1         | 21.64                 | 21.67                    | 21.64                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                           | QPSK       | 1       | 1         | 21.67                 | 21.69                    | 21.62                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 648000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                           | QPSK       | 1       | 1         | 21.63                 | 21.67                    | 21.61                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                           | QPSK       | 1       | 1         | 21.69                 | 21.72                    | 21.60                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                           | QPSK       | 1       | 1         | 21.70                 | 21.67                    | 21.64                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                           | QPSK       | 1       | 1         | 21.61                 | 21.67                    | 21.73                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                           | QPSK       | 1       | 1         | 21.65                 | 21.70                    | 21.73                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                           | QPSK       | 1       | 1         | 21.73                 | 21.60                    | 21.68                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                           | QPSK       | 1       | 1         | 21.64                 | 21.62                    | 21.66                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                           | QPSK       | 1       | 1         | 21.73                 | 21.61                    | 21.68                  | 23.0                | 0.0      |  |
| Channel                      |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                           | QPSK       | 1       | 1         | 21.70                 | 21.67                    | 21.72                  | 23.0                | 0.0      |  |

| Part270 n78 PC2 Ant5 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           | 650000                | 650000                   | 650000                 | 25.0                | 0.0      |  |
| Frequency (MHz)           |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                       | PI/2 BPSK  | 1       | 1         |                       | 24.09                    |                        |                     |          |  |
| 100                       | PI/2 BPSK  | 1       | 137       |                       | 24.21                    |                        |                     |          |  |
| 100                       | PI/2 BPSK  | 1       | 271       |                       | 24.24                    |                        | 25.0                | 0.0      |  |
| 100                       | PI/2 BPSK  | 135     | 0         |                       | 24.22                    |                        |                     |          |  |
| 100                       | PI/2 BPSK  | 135     | 69        |                       | 24.15                    |                        | 25.0                | 0.0      |  |
| 100                       | PI/2 BPSK  | 135     | 138       |                       | 24.22                    |                        | 25.0                | 0.0      |  |
| 100                       | PI/2 BPSK  | 270     | 0         |                       | 24.11                    |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         |                       | 24.22                    |                        | 25.0                | 0.0      |  |
| 100                       | QPSK       | 1       | 137       |                       | 24.27                    |                        |                     |          |  |
| 100                       | QPSK       | 1       | 271       |                       | 24.16                    |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         |                       | 24.19                    |                        | 25.0                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        |                       | 24.24                    |                        | 25.0                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       |                       | 24.20                    |                        | 25.0                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         |                       | 24.20                    |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         |                       | 24.24                    |                        | 25.0                | 0.0      |  |
| 100                       | 64QAM      | 1       | 1         |                       | 22.71                    |                        | 23.5                | 1.5      |  |
| 100                       | 256QAM     | 1       | 1         |                       | 20.80                    |                        | 21.5                | 3.5      |  |
| Channel                   |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 24.08                 | 24.06                    | 24.23                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 24.10                 | 24.11                    | 24.26                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                        | QPSK       | 1       | 1         | 24.21                 | 24.25                    | 24.24                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 24.03                 | 24.21                    | 24.07                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 24.09                 | 24.11                    | 24.07                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 24.13                 | 24.13                    | 24.25                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                        | QPSK       | 1       | 1         | 24.06                 | 24.17                    | 24.25                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                        | QPSK       | 1       | 1         | 24.20                 | 24.22                    | 24.23                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 24.21                 | 24.12                    | 24.12                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 24.09                 | 24.07                    | 24.16                  | 25.0                | 0.0      |  |
| Channel                   |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 24.07                 | 24.15                    | 24.09                  | 25.0                | 0.0      |  |

| Part27Q 78 PC3 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)             |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 21.53                    |                        | 23.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 22.05                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 21.62                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 21.91                    |                        | 23.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 22.04                    |                        | 23.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 21.96                    |                        | 23.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 22.02                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 1         |                       | 21.58                    |                        | 23.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 137       |                       | 22.18                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 271       |                       | 21.67                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 21.96                    |                        | 23.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 22.10                    |                        | 23.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 138       |                       | 22.01                    |                        | 23.0                | 0.0      |  |
| 100                         | QPSK       | 270     | 0         |                       | 21.98                    |                        |                     |          |  |
| 100                         | 16QAM      | 1       | 1         |                       | 21.48                    |                        | 23.0                | 0.0      |  |
| 100                         | 64QAM      | 1       | 1         |                       | 21.52                    |                        | 23.0                | 0.0      |  |
| 100                         | 256QAM     | 1       | 1         |                       | 20.47                    |                        | 21.5                | 1.5      |  |
| Channel                     |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                          | QPSK       | 1       | 1         | 21.61                 | 21.61                    | 21.61                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                          | QPSK       | 1       | 1         | 21.64                 | 21.63                    | 21.62                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                          | QPSK       | 1       | 1         | 21.56                 | 21.60                    | 21.53                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                          | QPSK       | 1       | 1         | 21.65                 | 21.59                    | 21.57                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                          | QPSK       | 1       | 1         | 21.58                 | 21.62                    | 21.63                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                          | QPSK       | 1       | 1         | 21.59                 | 21.64                    | 21.57                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                          | QPSK       | 1       | 1         | 21.61                 | 21.57                    | 21.61                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                          | QPSK       | 1       | 1         | 21.66                 | 21.53                    | 21.52                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 630568                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                          | QPSK       | 1       | 1         | 21.63                 | 21.66                    | 21.62                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                          | QPSK       | 1       | 1         | 21.62                 | 21.65                    | 21.60                  | 23.0                | 0.0      |  |
| Channel                     |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                          | QPSK       | 1       | 1         | 21.64                 | 21.60                    | 21.53                  | 23.0                | 0.0      |  |

| Part27Q 78 PC2 Ant5 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                  |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)          |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                      | PI/2 BPSK  | 1       | 1         |                       | 24.16                    |                        | 25.0                | 0.0      |  |
| 100                      | PI/2 BPSK  | 1       | 137       |                       | 24.03                    |                        |                     |          |  |
| 100                      | PI/2 BPSK  | 1       | 271       |                       | 24.14                    |                        |                     |          |  |
| 100                      | PI/2 BPSK  | 135     | 0         |                       | 24.22                    |                        | 25.0                | 0.0      |  |
| 100                      | PI/2 BPSK  | 135     | 69        |                       | 24.24                    |                        | 25.0                | 0.0      |  |
| 100                      | PI/2 BPSK  | 135     | 138       |                       | 24.22                    |                        | 25.0                | 0.0      |  |
| 100                      | PI/2 BPSK  | 270     | 0         |                       | 24.22                    |                        |                     |          |  |
| 100                      | QPSK       | 1       | 1         |                       | 24.14                    |                        | 25.0                | 0.0      |  |
| 100                      | QPSK       | 1       | 137       |                       | 24.25                    |                        |                     |          |  |
| 100                      | QPSK       | 1       | 271       |                       | 24.13                    |                        |                     |          |  |
| 100                      | QPSK       | 135     | 0         |                       | 24.20                    |                        | 24.0                | 1.0      |  |
| 100                      | QPSK       | 135     | 69        |                       | 24.21                    |                        | 25.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 138       |                       | 24.06                    |                        | 25.0                | 0.0      |  |
| 100                      | QPSK       | 270     | 0         |                       | 24.15                    |                        |                     |          |  |
| 100                      | 16QAM      | 1       | 1         |                       | 24.15                    |                        | 25.0                | 0.0      |  |
| 100                      | 64QAM      | 1       | 1         |                       | 22.86                    |                        | 23.5                | 1.5      |  |
| 100                      | 256QAM     | 1       | 1         |                       | 20.79                    |                        | 21.5                | 3.5      |  |
| Channel                  |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                       | QPSK       | 1       | 1         | 24.12                 | 24.12                    | 24.14                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                       | QPSK       | 1       | 1         | 23.98                 | 24.12                    | 24.12                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                       | QPSK       | 1       | 1         | 23.99                 | 23.95                    | 24.00                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                       | QPSK       | 1       | 1         | 24.10                 | 24.13                    | 24.14                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                       | QPSK       | 1       | 1         | 23.99                 | 24.03                    | 24.09                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                       | QPSK       | 1       | 1         | 23.94                 | 24.04                    | 23.96                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                       | QPSK       | 1       | 1         | 24.04                 | 24.01                    | 23.99                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                       | QPSK       | 1       | 1         | 24.05                 | 23.98                    | 24.17                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 630568                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                       | QPSK       | 1       | 1         | 24.01                 | 24.10                    | 24.06                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                       | QPSK       | 1       | 1         | 24.15                 | 24.05                    | 23.98                  | 25.0                | 0.0      |  |
| Channel                  |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                       | QPSK       | 1       | 1         | 23.97                 | 24.06                    | 24.10                  | 25.0                | 0.0      |  |

## Reduced Power Mode for DSI 0\_Main PA DFT-30

| n5 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 25.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.66                 | 24.69                    | 24.61                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 24.54                 | 24.56                    | 24.42                  | 25.0                | 0.5      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 24.53                 | 24.61                    | 24.60                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.91                 | 24.02                    | 24.01                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 13        | 24.59                 | 24.65                    | 24.54                  | 25.0                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 24.12                 | 24.12                    | 24.01                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.93                 | 24.08                    | 24.02                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 24.72                 | 24.78                    | 24.64                  | 25.5                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 24.73                 | 24.74                    | 24.60                  |                     |          |  |
| 20              | QPSK       | 1       | 49        | 24.69                 | 24.72                    | 24.69                  |                     |          |  |
| 20              | QPSK       | 25      | 0         | 23.69                 | 23.79                    | 23.76                  | 24.5                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 24.71                 | 24.76                    | 24.65                  |                     |          |  |
| 20              | QPSK       | 25      | 26        | 23.58                 | 23.67                    | 23.56                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 23.58                 | 23.59                    | 23.47                  | 24.5                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 23.42                 | 23.48                    | 23.36                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 22.12                 | 22.12                    | 21.99                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 20.37                 | 20.39                    | 20.25                  | 21.0                | 4.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 |                     |          |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.93                 | 24.04                    | 24.01                  | 25.5                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.97                 | 24.11                    | 24.08                  | 25.5                | 0.0      |  |

| n7 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 24.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 1         | 22.88                 | 22.99                    | 22.95                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 67        | 22.76                 | 22.83                    | 22.83                  | 24.0                | 0.5      |  |
| 50              | PI/2 BPSK  | 1       | 131       | 22.56                 | 22.57                    | 22.58                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 0         | 22.56                 | 22.59                    | 22.54                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 35        | 22.77                 | 22.92                    | 22.86                  | 24.0                | 0.5      |  |
| 50              | PI/2 BPSK  | 64      | 69        | 22.08                 | 22.14                    | 22.08                  |                     |          |  |
| 50              | PI/2 BPSK  | 128     | 0         | 22.29                 | 22.41                    | 22.38                  |                     |          |  |
| 50              | QPSK       | 1       | 1         | 22.98                 | 23.05                    | 22.91                  | 24.5                | 0.0      |  |
| 50              | QPSK       | 1       | 67        | 22.75                 | 22.87                    | 22.83                  |                     |          |  |
| 50              | QPSK       | 1       | 131       | 22.54                 | 22.53                    | 22.57                  |                     |          |  |
| 50              | QPSK       | 64      | 0         | 22.00                 | 22.11                    | 22.08                  | 23.5                | 1.0      |  |
| 50              | QPSK       | 64      | 35        | 22.91                 | 22.97                    | 22.93                  |                     |          |  |
| 50              | QPSK       | 64      | 69        | 21.71                 | 21.74                    | 21.69                  |                     |          |  |
| 50              | QPSK       | 128     | 0         | 21.80                 | 21.90                    | 21.89                  | 23.5                | 1.0      |  |
| 50              | 16QAM      | 1       | 1         | 21.81                 | 21.87                    | 21.80                  |                     |          |  |
| 50              | 64QAM      | 1       | 1         | 20.34                 | 20.36                    | 20.33                  |                     |          |  |
| 50              | 256QAM     | 1       | 1         | 18.92                 | 18.94                    | 18.83                  | 20.0                | 4.5      |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 22.78                 | 22.93                    | 22.88                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.82                 | 22.89                    | 22.87                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 22.74                 | 22.88                    | 22.97                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.80                 | 22.92                    | 22.94                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.78                 | 22.89                    | 22.96                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.80                 | 23.00                    | 22.96                  | 24.5                | 0.0      |  |

| n38 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 518004                | 519000                   | 519996                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 1         | 22.53                 | 22.56                    | 22.52                  |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 53        | 22.91                 | 22.97                    | 22.94                  | 24.0                | 0.5      |  |
| 40               | PI/2 BPSK  | 1       | 104       | 22.52                 | 22.54                    | 22.51                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 0         | 22.34                 | 22.38                    | 22.31                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 28        | 22.82                 | 22.94                    | 22.82                  | 24.0                | 0.5      |  |
| 40               | PI/2 BPSK  | 50      | 56        | 22.18                 | 22.32                    | 22.26                  |                     |          |  |
| 40               | PI/2 BPSK  | 100     | 0         | 22.23                 | 22.37                    | 22.33                  |                     |          |  |
| 40               | QPSK       | 1       | 1         | 22.56                 | 22.58                    | 22.54                  | 24.5                | 0.0      |  |
| 40               | QPSK       | 1       | 53        | 22.88                 | 23.02                    | 22.97                  |                     |          |  |
| 40               | QPSK       | 1       | 104       | 22.55                 | 22.53                    | 22.51                  |                     |          |  |
| 40               | QPSK       | 50      | 0         | 21.74                 | 21.87                    | 21.76                  | 23.5                | 1.0      |  |
| 40               | QPSK       | 50      | 28        | 22.90                 | 22.98                    | 22.91                  |                     |          |  |
| 40               | QPSK       | 50      | 56        | 21.75                 | 21.82                    | 21.67                  |                     |          |  |
| 40               | QPSK       | 100     | 0         | 21.77                 | 21.85                    | 21.75                  | 23.5                | 1.0      |  |
| 40               | 16QAM      | 1       | 1         | 21.53                 | 21.61                    | 21.56                  |                     |          |  |
| 40               | 64QAM      | 1       | 1         | 20.18                 | 20.29                    | 20.26                  |                     | 22.0     |  |
| 40               | 256QAM     | 1       | 1         | 18.36                 | 18.42                    | 18.31                  |                     |          |  |
| Channel          |            |         |           | 517002                | 519000                   | 520998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2585.01               | 2595                     | 2604.99                |                     |          |  |
| 30               | QPSK       | 1       | 1         | 22.55                 | 22.52                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 516504                | 519000                   | 521496                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2582.52               | 2595                     | 2607.48                |                     |          |  |
| 25               | QPSK       | 1       | 1         | 22.61                 | 22.54                    | 22.51                  |                     |          |  |
| Channel          |            |         |           | 516000                | 519000                   | 522000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20               | QPSK       | 1       | 1         | 22.52                 | 22.56                    | 22.54                  |                     |          |  |
| Channel          |            |         |           | 515502                | 519000                   | 522498                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |  |
| 15               | QPSK       | 1       | 1         | 22.57                 | 22.51                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 515004                | 519000                   | 522996                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |  |
| 10               | QPSK       | 1       | 1         | 22.51                 | 22.52                    | 22.60                  |                     |          |  |

| n41 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 509202                | 518598                   | 528000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 1         | 22.52                 | 22.56                    | 22.51                  |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 137       | 22.94                 | 23.05                    | 23.00                  | 24.0                | 0.5      |  |
| 100              | PI/2 BPSK  | 1       | 271       | 22.58                 | 22.54                    | 22.55                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 0         | 22.35                 | 22.42                    | 22.38                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 69        | 22.92                 | 23.00                    | 22.93                  | 24.0                | 0.5      |  |
| 100              | PI/2 BPSK  | 135     | 138       | 22.17                 | 22.30                    | 22.22                  |                     |          |  |
| 100              | PI/2 BPSK  | 270     | 0         | 22.35                 | 22.39                    | 22.26                  |                     |          |  |
| 100              | QPSK       | 1       | 1         | 22.56                 | 22.63                    | 22.51                  | 24.5                | 0.0      |  |
| 100              | QPSK       | 1       | 137       | 22.97                 | 23.11                    | 23.05                  |                     |          |  |
| 100              | QPSK       | 1       | 271       | 22.54                 | 22.51                    | 22.52                  |                     |          |  |
| 100              | QPSK       | 135     | 0         | 21.82                 | 21.92                    | 21.87                  | 23.5                | 1.0      |  |
| 100              | QPSK       | 135     | 69        | 22.97                 | 23.08                    | 23.05                  |                     |          |  |
| 100              | QPSK       | 135     | 138       | 21.78                 | 21.83                    | 21.82                  |                     |          |  |
| 100              | QPSK       | 270     | 0         | 21.86                 | 21.88                    | 21.86                  | 23.5                | 1.0      |  |
| 100              | 16QAM      | 1       | 1         | 21.59                 | 21.52                    | 21.56                  |                     |          |  |
| 100              | 64QAM      | 1       | 1         | 20.06                 | 20.10                    | 20.01                  |                     | 22.0     |  |
| 100              | 256QAM     | 1       | 1         | 18.06                 | 18.11                    | 18.03                  |                     |          |  |
| Channel          |            |         |           | 508200                | 518598                   | 528998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |  |
| 90               | QPSK       | 1       | 1         | 22.55                 | 22.60                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 507204                | 518598                   | 529998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2536.02               | 2592.99                  | 2640.99                |                     |          |  |
| 80               | QPSK       | 1       | 1         | 22.61                 | 22.62                    | 22.54                  |                     |          |  |
| Channel          |            |         |           | 506202                | 518598                   | 531000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |  |
| 70               | QPSK       | 1       | 1         | 22.64                 | 22.64                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 505200                | 518598                   | 531998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |  |
| 60               | QPSK       | 1       | 1         | 22.59                 | 22.66                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 504204                | 518598                   | 532998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |  |
| 50               | QPSK       | 1       | 1         | 22.55                 | 22.72                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 503202                | 518598                   | 534000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |  |
| 40               | QPSK       | 1       | 1         | 22.64                 | 22.61                    | 22.47                  |                     |          |  |
| Channel          |            |         |           | 502200                | 518598                   | 534998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |  |
| 30               | QPSK       | 1       | 1         | 22.54                 | 22.71                    | 22.58                  |                     |          |  |
| Channel          |            |         |           | 501204                | 518598                   | 535998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2506.02               | 2592.99                  | 2670.99                |                     |          |  |
| 20               | QPSK       | 1       | 1         | 22.55                 | 22.68                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 500200                | 518598                   | 536998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |  |
| 15               | QPSK       | 1       | 1         | 22.51                 | 22.73                    | 22.47                  |                     |          |  |
| Channel          |            |         |           | 500202                | 518598                   | 537000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |  |
| 10               | QPSK       | 1       | 1         | 22.63                 | 22.59                    | 22.51                  |                     |          |  |

| n5 Ant1 Default |            |         |           |                       |                          |                        |                     |                     |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 25.7                | 0.0                 |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |                     |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.01                 | 24.11                    | 24.06                  |                     |                     |  |
| 20              | PI/2 BPSK  | 1       | 26        | 23.89                 | 24.00                    | 23.90                  |                     |                     |  |
| 20              | PI/2 BPSK  | 1       | 49        | 24.00                 | 24.07                    | 23.99                  | 25.2                | 0.5                 |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.58                 | 23.68                    | 23.57                  |                     |                     |  |
| 20              | PI/2 BPSK  | 25      | 13        | 23.91                 | 24.04                    | 23.91                  |                     |                     |  |
| 20              | PI/2 BPSK  | 25      | 26        | 23.72                 | 23.81                    | 23.77                  |                     |                     |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.67                 | 23.71                    | 23.65                  | 25.7                | 0.0                 |  |
| 20              | QPSK       | 1       | 1         | 24.06                 | 24.13                    | 23.99                  |                     |                     |  |
| 20              | QPSK       | 1       | 26        | 23.95                 | 24.06                    | 24.00                  |                     |                     |  |
| 20              | QPSK       | 1       | 49        | 23.96                 | 24.08                    | 24.02                  |                     |                     |  |
| 20              | QPSK       | 25      | 0         | 23.00                 | 23.07                    | 23.00                  | 24.7                | 1.0                 |  |
| 20              | QPSK       | 25      | 13        | 24.04                 | 24.12                    | 24.01                  |                     |                     |  |
| 20              | QPSK       | 25      | 26        | 23.09                 | 23.21                    | 23.12                  |                     |                     |  |
| 20              | QPSK       | 50      | 0         | 23.16                 | 23.20                    | 23.08                  |                     |                     |  |
| 20              | 16QAM      | 1       | 1         | 22.90                 | 22.93                    | 22.81                  | 24.7                | 1.0                 |  |
| 20              | 64QAM      | 1       | 1         | 21.41                 | 21.51                    | 21.39                  |                     |                     |  |
| 20              | 256QAM     | 1       | 1         | 19.69                 | 19.77                    | 19.69                  |                     |                     |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |                     |  |
| 15              | QPSK       | 1       | 1         | 23.96                 | 24.09                    | 23.90                  | 25.7                | 0.0                 |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |                     |  |
| 10              | QPSK       | 1       | 1         | 23.93                 | 24.05                    | 23.93                  |                     | 25.7                |  |

| n7 Ant1 DSI0    |            |         |           |                       |                          |                        |                     |                     |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 21.0                | 0.0                 |  |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |                     |  |
| 50              | PI/2 BPSK  | 1       | 1         | 19.77                 | 19.90                    | 19.62                  |                     |                     |  |
| 50              | PI/2 BPSK  | 1       | 67        | 19.84                 | 19.90                    | 19.62                  |                     |                     |  |
| 50              | PI/2 BPSK  | 1       | 131       | 19.82                 | 19.98                    | 19.69                  | 21.0                | 0.0                 |  |
| 50              | PI/2 BPSK  | 64      | 0         | 19.74                 | 19.96                    | 19.80                  |                     |                     |  |
| 50              | PI/2 BPSK  | 64      | 35        | 19.72                 | 19.87                    | 19.82                  |                     |                     |  |
| 50              | PI/2 BPSK  | 64      | 69        | 19.79                 | 19.96                    | 19.61                  |                     |                     |  |
| 50              | PI/2 BPSK  | 128     | 0         | 19.75                 | 20.02                    | 19.74                  | 21.0                | 0.0                 |  |
| 50              | QPSK       | 1       | 1         | 19.88                 | 20.06                    | 19.80                  |                     |                     |  |
| 50              | QPSK       | 1       | 67        | 19.67                 | 20.05                    | 19.69                  |                     |                     |  |
| 50              | QPSK       | 1       | 131       | 19.70                 | 19.90                    | 19.81                  |                     |                     |  |
| 50              | QPSK       | 64      | 0         | 19.87                 | 19.91                    | 19.74                  | 21.0                | 0.0                 |  |
| 50              | QPSK       | 64      | 35        | 19.84                 | 19.94                    | 19.75                  |                     |                     |  |
| 50              | QPSK       | 64      | 69        | 19.86                 | 19.89                    | 19.68                  |                     |                     |  |
| 50              | QPSK       | 128     | 0         | 19.84                 | 20.03                    | 19.77                  |                     |                     |  |
| 50              | 16QAM      | 1       | 1         | 19.80                 | 20.04                    | 19.79                  | 21.0                | 0.0                 |  |
| 50              | 64QAM      | 1       | 1         | 19.69                 | 19.87                    | 19.68                  |                     |                     |  |
| 50              | 256QAM     | 1       | 1         | 19.38                 | 19.62                    | 19.40                  |                     |                     |  |
| Channel         |            |         |           | 508000                | 507000                   | 510000                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   |                     |                     |  |
| 40              | QPSK       | 1       | 1         | 19.87                 | 19.85                    | 19.70                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |                     |  |
| 30              | QPSK       | 1       | 1         | 19.69                 | 19.86                    | 19.68                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |                     |  |
| 25              | QPSK       | 1       | 1         | 19.79                 | 19.90                    | 19.65                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |                     |  |
| 20              | QPSK       | 1       | 1         | 19.66                 | 20.06                    | 19.80                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |                     |  |
| 15              | QPSK       | 1       | 1         | 19.88                 | 20.03                    | 19.70                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |                     |  |
| 10              | QPSK       | 1       | 1         | 19.87                 | 20.02                    | 19.82                  |                     | 21.0                |  |

| n38 Ant1 DSI0   |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 518004                   | 519000                      | 519996                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2590.02                  | 2595                        | 2599.98                   |                        |             |  |
| 40              | PI/2 BPSK  | 1       | 1         | 20.14                    | 20.34                       | 20.26                     | 21.5                   | 0.0         |  |
| 40              | PI/2 BPSK  | 1       | 53        | 20.23                    | 20.28                       | 20.27                     |                        |             |  |
| 40              | PI/2 BPSK  | 1       | 104       | 20.15                    | 20.27                       | 20.11                     |                        |             |  |
| 40              | PI/2 BPSK  | 50      | 0         | 20.36                    | 20.30                       | 20.18                     | 21.5                   | 0.0         |  |
| 40              | PI/2 BPSK  | 50      | 28        | 20.31                    | 20.22                       | 20.20                     | 21.5                   | 0.0         |  |
| 40              | PI/2 BPSK  | 50      | 56        | 20.23                    | 20.27                       | 20.12                     | 21.5                   | 0.0         |  |
| 40              | PI/2 BPSK  | 100     | 0         | 20.33                    | 20.38                       | 20.14                     |                        |             |  |
| 40              | QPSK       | 1       | 1         | 20.24                    | 20.19                       | 20.03                     |                        |             |  |
| 40              | QPSK       | 1       | 53        | 20.35                    | 20.40                       | 20.25                     | 21.5                   | 0.0         |  |
| 40              | QPSK       | 1       | 104       | 20.22                    | 20.29                       | 20.23                     |                        |             |  |
| 40              | QPSK       | 50      | 0         | 20.16                    | 20.30                       | 20.25                     |                        |             |  |
| 40              | QPSK       | 50      | 28        | 20.33                    | 20.35                       | 20.17                     | 21.5                   | 0.0         |  |
| 40              | QPSK       | 50      | 56        | 20.14                    | 20.20                       | 20.23                     | 21.5                   | 0.0         |  |
| 40              | QPSK       | 100     | 0         | 20.36                    | 20.37                       | 20.11                     |                        |             |  |
| 40              | 16QAM      | 1       | 1         | 20.21                    | 20.23                       | 20.09                     |                        |             |  |
| 40              | 64QAM      | 1       | 1         | 20.20                    | 20.36                       | 20.03                     | 21.5                   | 0.0         |  |
| 40              | 256QAM     | 1       | 1         | 19.80                    | 19.86                       | 19.75                     | 21.0                   | 0.5         |  |
| Channel         |            |         |           | 517002                   | 519000                      | 520998                    | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2585.01                  | 2595                        | 2604.99                   | (dBm)                  | (dB)        |  |
| 30              | QPSK       | 1       | 1         | 20.19                    | 20.24                       | 20.26                     | 21.5                   | 0.0         |  |
| Channel         |            |         |           | 516504                   | 519000                      | 521496                    | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2582.52                  | 2595                        | 2607.48                   | (dBm)                  | (dB)        |  |
| 25              | QPSK       | 1       | 1         | 20.26                    | 20.38                       | 20.26                     | 21.5                   | 0.0         |  |
| Channel         |            |         |           | 516000                   | 519000                      | 522000                    | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      | (dBm)                  | (dB)        |  |
| 20              | QPSK       | 1       | 1         | 20.34                    | 20.39                       | 20.26                     | 21.5                   | 0.0         |  |
| Channel         |            |         |           | 515502                   | 519000                      | 522498                    | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2577.51                  | 2595                        | 2612.49                   | (dBm)                  | (dB)        |  |
| 15              | QPSK       | 1       | 1         | 20.27                    | 20.32                       | 20.06                     | 21.5                   | 0.0         |  |
| Channel         |            |         |           | 515004                   | 519000                      | 522996                    | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2575.02                  | 2595                        | 2614.98                   | (dBm)                  | (dB)        |  |
| 10              | QPSK       | 1       | 1         | 20.16                    | 20.37                       | 20.21                     | 21.5                   | 0.0         |  |

| n41 Ant1 DSI0   |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 509202                   | 518598                      | 528000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2546.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PI/2 BPSK  | 1       | 1         | 19.27                    | 19.45                       | 19.27                     | 20.5                   | 0.0         |  |
| 100             | PI/2 BPSK  | 1       | 137       | 19.46                    | 19.34                       | 19.22                     |                        |             |  |
| 100             | PI/2 BPSK  | 1       | 271       | 19.39                    | 19.43                       | 19.22                     |                        |             |  |
| 100             | PI/2 BPSK  | 135     | 0         | 19.38                    | 19.31                       | 19.31                     | 20.5                   | 0.0         |  |
| 100             | PI/2 BPSK  | 135     | 69        | 19.42                    | 19.40                       | 19.34                     | 20.5                   | 0.0         |  |
| 100             | PI/2 BPSK  | 135     | 138       | 19.29                    | 19.49                       | 19.33                     | 20.5                   | 0.0         |  |
| 100             | PI/2 BPSK  | 270     | 0         | 19.43                    | 19.41                       | 19.27                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 19.26                    | 19.41                       | 19.24                     |                        |             |  |
| 100             | QPSK       | 1       | 137       | 19.33                    | 19.50                       | 19.19                     | 20.5                   | 0.0         |  |
| 100             | QPSK       | 1       | 271       | 19.28                    | 19.27                       | 19.22                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 19.43                    | 19.36                       | 19.20                     |                        |             |  |
| 100             | QPSK       | 135     | 69        | 19.37                    | 19.44                       | 19.15                     | 20.5                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 19.29                    | 19.35                       | 19.20                     | 20.5                   | 0.0         |  |
| 100             | QPSK       | 270     | 0         | 19.42                    | 19.43                       | 19.32                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 19.30                    | 19.32                       | 19.20                     | 20.5                   | 0.0         |  |
| 100             | 64QAM      | 1       | 1         | 19.30                    | 19.40                       | 19.28                     | 20.5                   | 0.0         |  |
| 100             | 256QAM     | 1       | 1         | 19.37                    | 19.48                       | 19.18                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 526998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 19.28                    | 19.47                       | 19.36                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 529998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2536.02                  | 2592.99                     | 2649.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 19.30                    | 19.34                       | 19.22                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 506202                   | 518598                      | 531000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2531.01                  | 2592.99                     | 2655                      |                        |             |  |
| 70              | QPSK       | 1       | 1         | 19.44                    | 19.35                       | 19.29                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2526                     | 2592.99                     | 2659.98                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 19.40                    | 19.43                       | 19.20                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   |                        |             |  |
| 50              | QPSK       | 1       | 1         | 19.40                    | 19.44                       | 19.18                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 503202                   | 518598                      | 534000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        |             |  |
| 40              | QPSK       | 1       | 1         | 19.35                    | 19.27                       | 19.31                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 502200                   | 518598                      | 534996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.98                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 19.43                    | 19.41                       | 19.31                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 501204                   | 518598                      | 535998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        |             |  |
| 20              | QPSK       | 1       | 1         | 19.46                    | 19.29                       | 19.25                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 500700                   | 518598                      | 536996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2503.5                   | 2592.99                     | 2682.48                   |                        |             |  |
| 15              | QPSK       | 1       | 1         | 19.34                    | 19.31                       | 19.25                     | 20.5                   | 0.0         |  |
| Channel         |            |         |           | 500202                   | 518598                      | 537000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2501.01                  | 2592.99                     | 2685                      |                        |             |  |
| 10              | QPSK       | 1       | 1         | 19.39                    | 19.49                       | 19.32                     | 20.5                   | 0.0         |  |

| n7 Ant2 DSI1    |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 19.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 17.51                    | 17.60                       | 17.31                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 17.51                    | 17.70                       | 17.46                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 1       | 131       | 17.56                    | 17.70                       | 17.33                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 0         | 17.53                    | 17.67                       | 17.34                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 17.57                    | 17.65                       | 17.43                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 69        | 17.57                    | 17.69                       | 17.30                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 128     | 0         | 17.55                    | 17.64                       | 17.44                     | 19.0                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 17.61                    | 17.80                       | 17.51                     |                        |             |
| 50              | QPSK       | 1       | 67        | 17.49                    | 17.60                       | 17.40                     |                        |             |
| 50              | QPSK       | 1       | 131       | 17.46                    | 17.63                       | 17.39                     | 19.0                   | 0.0         |
| 50              | QPSK       | 64      | 0         | 17.56                    | 17.74                       | 17.51                     |                        |             |
| 50              | QPSK       | 64      | 35        | 17.58                    | 17.75                       | 17.51                     |                        |             |
| 50              | QPSK       | 64      | 69        | 17.62                    | 17.72                       | 17.47                     | 19.0                   | 0.0         |
| 50              | QPSK       | 128     | 0         | 17.51                    | 17.62                       | 17.40                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 17.45                    | 17.68                       | 17.36                     | 19.0                   | 0.0         |
| 50              | 64QAM      | 1       | 1         | 17.44                    | 17.58                       | 17.33                     | 19.0                   | 0.0         |
| 50              | 256QAM     | 1       | 1         | 17.45                    | 17.70                       | 17.41                     | 19.0                   | 0.0         |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      | 19.0                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 17.52                    | 17.65                       | 17.40                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      | 19.0                   | 0.0         |
| 30              | QPSK       | 1       | 1         | 17.41                    | 17.76                       | 17.47                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    | 19.0                   | 0.0         |
| 25              | QPSK       | 1       | 1         | 17.57                    | 17.69                       | 17.37                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      | 19.0                   | 0.0         |
| 20              | QPSK       | 1       | 1         | 17.40                    | 17.66                       | 17.53                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    | 19.0                   | 0.0         |
| 15              | QPSK       | 1       | 1         | 17.49                    | 17.63                       | 17.53                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      | 19.0                   | 0.0         |
| 10              | QPSK       | 1       | 1         | 17.52                    | 17.67                       | 17.50                     |                        |             |

| n38 Ant2 DSI0   |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 518004                | 519000                   | 519996                 | 21.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |
| 40              | PI/2 BPSK  | 1       | 1         | 19.19                 | 19.17                    | 19.15                  |                     |          |
| 40              | PI/2 BPSK  | 1       | 53        | 19.29                 | 19.20                    | 19.15                  |                     |          |
| 40              | PI/2 BPSK  | 1       | 104       | 19.20                 | 19.23                    | 19.01                  | 21.0                | 0.0      |
| 40              | PI/2 BPSK  | 50      | 0         | 19.30                 | 19.14                    | 19.22                  |                     |          |
| 40              | PI/2 BPSK  | 50      | 28        | 19.14                 | 19.34                    | 19.16                  |                     |          |
| 40              | PI/2 BPSK  | 50      | 56        | 19.13                 | 19.30                    | 19.08                  |                     |          |
| 40              | PI/2 BPSK  | 100     | 0         | 19.13                 | 19.30                    | 19.08                  | 21.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 19.11                 | 19.17                    | 19.13                  |                     |          |
| 40              | QPSK       | 1       | 53        | 19.14                 | 19.35                    | 19.19                  |                     |          |
| 40              | QPSK       | 1       | 104       | 19.11                 | 19.28                    | 19.11                  |                     |          |
| 40              | QPSK       | 50      | 0         | 19.04                 | 19.26                    | 19.16                  | 21.0                | 0.0      |
| 40              | QPSK       | 50      | 28        | 19.04                 | 19.30                    | 19.02                  |                     |          |
| 40              | QPSK       | 50      | 56        | 19.29                 | 19.28                    | 19.06                  |                     |          |
| 40              | QPSK       | 100     | 0         | 19.10                 | 19.25                    | 19.21                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 19.14                 | 19.31                    | 19.17                  | 21.0                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 19.04                 | 19.21                    | 19.29                  |                     |          |
| 40              | 256QAM     | 1       | 1         | 18.70                 | 18.86                    | 18.70                  |                     |          |
| 40              | 256QAM     | 1       | 1         | 18.70                 | 18.86                    | 18.70                  |                     |          |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                |                     |          |
| 30              | QPSK       | 1       | 1         | 19.20                 | 19.32                    | 19.03                  | 21.0                | 0.0      |
| Channel         |            |         |           | 516594                | 519000                   | 521496                 |                     |          |
| Frequency (MHz) |            |         |           | 2582.52               | 2595                     | 2607.48                |                     |          |
| 25              | QPSK       | 1       | 1         | 19.13                 | 19.19                    | 19.33                  |                     |          |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |
| 20              | QPSK       | 1       | 1         | 19.17                 | 19.15                    | 19.06                  | 21.0                | 0.0      |
| Channel         |            |         |           | 515502                | 519000                   | 522498                 |                     |          |
| Frequency (MHz) |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |
| 15              | QPSK       | 1       | 1         | 19.05                 | 19.30                    | 19.13                  |                     |          |
| Channel         |            |         |           | 515004                | 519000                   | 522996                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |
| 10              | QPSK       | 1       | 1         | 19.33                 | 19.20                    | 19.01                  | 21.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |

| n41 Ant2 DSI0   |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 18.13                 | 18.19                    | 17.93                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 18.23                 | 18.41                    | 17.89                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 271       | 18.06                 | 18.28                    | 18.06                  | 19.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 0         | 18.16                 | 18.26                    | 17.91                  |                     |          |
| 100             | PI/2 BPSK  | 135     | 69        | 18.09                 | 18.39                    | 17.98                  |                     |          |
| 100             | PI/2 BPSK  | 135     | 138       | 18.09                 | 18.23                    | 17.90                  |                     |          |
| 100             | PI/2 BPSK  | 270     | 0         | 18.05                 | 18.33                    | 18.07                  | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 18.05                 | 18.33                    | 17.96                  |                     |          |
| 100             | QPSK       | 1       | 137       | 18.22                 | 18.41                    | 18.07                  |                     |          |
| 100             | QPSK       | 1       | 271       | 18.01                 | 18.23                    | 17.86                  |                     |          |
| 100             | QPSK       | 135     | 0         | 18.07                 | 18.35                    | 18.08                  | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.19                 | 18.42                    | 17.94                  |                     |          |
| 100             | QPSK       | 135     | 138       | 18.09                 | 18.34                    | 17.87                  |                     |          |
| 100             | QPSK       | 270     | 0         | 18.01                 | 18.38                    | 17.91                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 18.10                 | 18.32                    | 18.01                  | 19.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.04                 | 18.38                    | 17.99                  |                     |          |
| 100             | 256QAM     | 1       | 1         | 18.17                 | 18.22                    | 18.04                  |                     |          |
| 100             | 256QAM     | 1       | 1         | 18.17                 | 18.22                    | 18.04                  |                     |          |
| Channel         |            |         |           | 509200                | 518598                   | 528996                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |
| 90              | QPSK       | 1       | 1         | 18.24                 | 18.29                    | 18.03                  | 19.5                | 0.0      |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 |                     |          |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |          |
| 80              | QPSK       | 1       | 1         | 18.23                 | 18.20                    | 18.09                  |                     |          |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |
| 70              | QPSK       | 1       | 1         | 18.09                 | 18.39                    | 18.02                  | 19.5                | 0.0      |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 |                     |          |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |
| 60              | QPSK       | 1       | 1         | 18.05                 | 18.35                    | 17.93                  |                     |          |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |
| 50              | QPSK       | 1       | 1         | 18.06                 | 18.24                    | 17.99                  | 19.5                | 0.0      |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 |                     |          |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |
| 40              | QPSK       | 1       | 1         | 18.08                 | 18.40                    | 18.04                  |                     |          |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |
| 30              | QPSK       | 1       | 1         | 18.02                 | 18.41                    | 17.88                  | 19.5                | 0.0      |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 |                     |          |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |
| 20              | QPSK       | 1       | 1         | 18.07                 | 18.25                    | 17.93                  |                     |          |
| Channel         |            |         |           | 500700                | 518598                   | 536996                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |
| 15              | QPSK       | 1       | 1         | 18.15                 | 18.34                    | 17.86                  | 19.5                | 0.0      |
| Channel         |            |         |           | 500202                | 518598                   | 537000                 |                     |          |
| Frequency (MHz) |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |
| 10              | QPSK       | 1       | 1         | 18.01                 | 18.36                    | 18.04                  |                     |          |

| Par270 n77 Ant2 DSI0 |            |         |           |                       |                          |                        |                     |                     |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 | 16.0                | 0.0                 |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |                     |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 14.61                 | 14.91                    | 14.87                  |                     |                     |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 14.76                 | 14.86                    | 14.86                  |                     |                     |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 14.65                 | 14.61                    | 14.83                  | 16.0                | 0.0                 |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 14.68                 | 14.95                    | 14.84                  |                     |                     |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 14.70                 | 14.71                    | 14.78                  |                     |                     |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 14.60                 | 15.01                    | 14.74                  |                     |                     |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 14.61                 | 14.95                    | 14.95                  | 16.0                | 0.0                 |  |
| 100                  | QPSK       | 1       | 1         | 14.73                 | 14.88                    | 14.77                  |                     |                     |  |
| 100                  | QPSK       | 1       | 137       | 14.75                 | 15.07                    | 14.93                  |                     |                     |  |
| 100                  | QPSK       | 1       | 271       | 14.62                 | 15.01                    | 14.91                  |                     |                     |  |
| 100                  | QPSK       | 135     | 0         | 14.71                 | 14.65                    | 14.79                  | 16.0                | 0.0                 |  |
| 100                  | QPSK       | 135     | 69        | 14.66                 | 14.85                    | 14.77                  |                     |                     |  |
| 100                  | QPSK       | 135     | 138       | 14.65                 | 14.58                    | 14.71                  |                     |                     |  |
| 100                  | QPSK       | 270     | 0         | 14.67                 | 14.85                    | 14.69                  |                     |                     |  |
| 100                  | 16QAM      | 1       | 1         | 14.74                 | 14.86                    | 14.90                  | 16.0                | 0.0                 |  |
| 100                  | 64QAM      | 1       | 1         | 14.61                 | 15.05                    | 14.88                  |                     |                     |  |
| 100                  | 256QAM     | 1       | 1         | 14.57                 | 14.90                    | 14.84                  |                     |                     |  |
| 100                  | 256QAM     | 1       | 1         | 14.57                 | 14.90                    | 14.84                  |                     |                     |  |
| Channel              |            |         |           | 649668                | 656000                   | 662334                 | Tune-up limit (dBm) | MPR (dB)            |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                | 16.0                | 0.0                 |  |
| 90                   | QPSK       | 1       | 1         | 14.65                 | 15.04                    | 14.84                  |                     |                     |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |                     |  |
| 80                   | QPSK       | 1       | 1         | 14.62                 | 14.96                    | 14.80                  |                     | 16.0                |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   |                     |                     |  |
| 70                   | QPSK       | 1       | 1         | 14.69                 | 15.05                    | 14.85                  |                     | 16.0                |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |                     |  |
| 60                   | QPSK       | 1       | 1         | 14.55                 | 15.06                    | 14.88                  |                     | 16.0                |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |                     |  |
| 50                   | QPSK       | 1       | 1         | 14.64                 | 14.99                    | 14.79                  |                     | 16.0                |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |                     |  |
| 40                   | QPSK       | 1       | 1         | 14.75                 | 15.07                    | 14.75                  |                     | 16.0                |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |                     |  |
| 30                   | QPSK       | 1       | 1         | 14.70                 | 15.08                    | 14.77                  |                     | 16.0                |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |                     |  |
| 25                   | QPSK       | 1       | 1         | 14.56                 | 14.91                    | 14.94                  |                     | 16.0                |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |                     |  |
| 20                   | QPSK       | 1       | 1         | 14.69                 | 14.95                    | 14.89                  |                     | 16.0                |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |                     |  |
| 15                   | QPSK       | 1       | 1         | 14.54                 | 14.97                    | 14.79                  |                     | 16.0                |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 |                     |                     |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   |                     |                     |  |
| 10                   | QPSK       | 1       | 1         | 14.64                 | 14.86                    | 14.72                  |                     | 16.0                |  |

| Part27Q n77 Ant2 DSI0 |            |         |           |                       |                          |                        |                     |                     |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel               |            |         |           | 633334                |                          | 3900.01                | 16.0                | 0.0                 |  |
| Frequency (MHz)       |            |         |           | 3900.01               |                          | 15.42                  |                     |                     |  |
| 100                   | PI/2 BPSK  | 1       | 1         | 15.42                 |                          | 15.27                  |                     |                     |  |
| 100                   | PI/2 BPSK  | 1       | 137       | 15.27                 |                          | 15.42                  |                     |                     |  |
| 100                   | PI/2 BPSK  | 1       | 271       | 15.42                 |                          | 15.29                  | 16.0                | 0.0                 |  |
| 100                   | PI/2 BPSK  | 135     | 0         | 15.29                 |                          | 15.42                  |                     |                     |  |
| 100                   | PI/2 BPSK  | 135     | 69        | 15.42                 |                          | 15.29                  |                     |                     |  |
| 100                   | PI/2 BPSK  | 135     | 138       | 15.29                 |                          | 15.42                  |                     |                     |  |
| 100                   | PI/2 BPSK  | 270     | 0         | 15.42                 |                          | 15.22                  | 16.0                | 0.0                 |  |
| 100                   | QPSK       | 1       | 1         | 15.41                 |                          | 15.41                  |                     |                     |  |
| 100                   | QPSK       | 1       | 137       | 15.45                 |                          | 15.44                  |                     |                     |  |
| 100                   | QPSK       | 1       | 271       | 15.44                 |                          | 15.36                  |                     |                     |  |
| 100                   | QPSK       | 135     | 0         | 15.36                 |                          | 15.41                  |                     | 16.0                |  |
| 100                   | QPSK       | 135     | 69        | 15.41                 |                          | 15.37                  |                     |                     |  |
| 100                   | QPSK       | 135     | 138       | 15.37                 |                          | 15.28                  |                     |                     |  |
| 100                   | QPSK       | 270     | 0         | 15.28                 |                          | 15.33                  | 16.0                | 0.0                 |  |
| 100                   | 16QAM      | 1       | 1         | 15.33                 |                          | 15.43                  |                     |                     |  |
| 100                   | 64QAM      | 1       | 1         | 15.43                 |                          | 15.43                  |                     |                     |  |
| 100                   | 256QAM     | 1       | 1         | 15.43                 |                          | 15.43                  |                     |                     |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB)            |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3900.01                  | 3905.02                | 16.0                | 0.0                 |  |
| 90                    | QPSK       | 1       | 1         | 15.29                 | 15.25                    | 15.39                  |                     |                     |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3900.01                  | 3510                   |                     |                     |  |
| 80                    | QPSK       | 1       | 1         | 15.39                 | 15.40                    | 15.23                  |                     | 16.0                |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3900.01                  | 3515.01                |                     |                     |  |
| 70                    | QPSK       | 1       | 1         | 15.36                 | 15.41                    | 15.26                  |                     | 16.0                |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3900.01                  | 3520.02                |                     |                     |  |
| 60                    | QPSK       | 1       | 1         | 15.20                 | 15.29                    | 15.40                  |                     | 16.0                |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3900.01                  | 3525                   |                     |                     |  |
| 50                    | QPSK       | 1       | 1         | 15.33                 | 15.41                    | 15.33                  |                     | 16.0                |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3900.01                  | 3530.01                |                     |                     |  |
| 40                    | QPSK       | 1       | 1         | 15.37                 | 15.37                    | 15.31                  |                     | 16.0                |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3900.01                  | 3535.02                |                     |                     |  |
| 30                    | QPSK       | 1       | 1         | 15.21                 | 15.24                    | 15.28                  |                     | 16.0                |  |
| Channel               |            |         |           | 630634                | 633334                   | 635834                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3900.01                  | 3537.51                |                     |                     |  |
| 25                    | QPSK       | 1       | 1         | 15.20                 | 15.39                    | 15.22                  |                     | 16.0                |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3900.01                  | 3540                   |                     |                     |  |
| 20                    | QPSK       | 1       | 1         | 15.29                 | 15.32                    | 15.34                  |                     | 16.0                |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3900.01                  | 3542.52                |                     |                     |  |
| 15                    | QPSK       | 1       | 1         | 15.41                 | 15.25                    | 15.27                  |                     | 16.0                |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 |                     |                     |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3900.01                  | 3545.01                |                     |                     |  |
| 10                    | QPSK       | 1       | 1         | 15.27                 | 15.41                    | 15.29                  |                     | 16.0                |  |

| Part270 n78 PC2/3 Ant2 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 17.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 16.12                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 16.25                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 16.23                    |                        | 17.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 16.25                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 16.20                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 16.21                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 16.20                    |                        | 17.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 1         |                       | 16.07                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 137       |                       | 16.30                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 271       |                       | 16.04                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 16.20                    |                        | 17.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 16.21                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 138       |                       | 16.16                    |                        |                     |          |  |
| 100                         | QPSK       | 270     | 0         |                       | 16.26                    |                        |                     |          |  |
| 100                         | 16QAM      | 1       | 1         |                       | 16.18                    |                        | 17.0                | 0.0      |  |
| 100                         | 64QAM      | 1       | 1         |                       | 16.23                    |                        |                     |          |  |
| 100                         | 256QAM     | 1       | 1         |                       | 16.18                    |                        |                     |          |  |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | 17.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                          | QPSK       | 1       | 1         |                       | 15.91                    | 16.03                  |                     | 17.0     |  |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                          | QPSK       | 1       | 1         |                       | 16.00                    | 15.97                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                          | QPSK       | 1       | 1         |                       | 16.00                    | 15.89                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                          | QPSK       | 1       | 1         |                       | 15.94                    | 15.89                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                          | QPSK       | 1       | 1         |                       | 15.94                    | 15.95                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                          | QPSK       | 1       | 1         |                       | 15.92                    | 15.98                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                          | QPSK       | 1       | 1         |                       | 15.98                    | 15.93                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                          | QPSK       | 1       | 1         |                       | 15.99                    | 16.07                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                          | QPSK       | 1       | 1         |                       | 15.95                    | 15.87                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                          | QPSK       | 1       | 1         |                       | 15.86                    | 15.98                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                          | QPSK       | 1       | 1         |                       | 15.89                    | 15.99                  | 17.0                | 0.0      |  |
| Channel                     |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)             |            |         |           |                       |                          |                        |                     |          |  |
| Channel                     |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)             |            |         |           |                       |                          |                        |                     |          |  |

| Part27Q 78 PC2/3 Ant2 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       | 633334                   |                        | 17.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 16.32                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 16.40                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 16.44                    |                        | 17.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 16.33                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 16.29                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 16.31                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 16.23                    |                        | 17.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         |                       | 16.45                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 137       |                       | 16.46                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 271       |                       | 16.27                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 0         |                       | 16.41                    |                        | 17.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        |                       | 16.43                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 138       |                       | 16.29                    |                        |                     |          |  |
| 100                        | QPSK       | 270     | 0         |                       | 16.43                    |                        |                     |          |  |
| 100                        | 16QAM      | 1       | 1         |                       | 16.29                    |                        | 17.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         |                       | 16.40                    |                        |                     |          |  |
| 100                        | 256QAM     | 1       | 1         |                       | 16.41                    |                        |                     |          |  |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | 17.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                         | QPSK       | 1       | 1         |                       | 16.29                    | 16.36                  |                     | 17.0     |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                         | QPSK       | 1       | 1         |                       | 16.24                    | 16.20                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                         | QPSK       | 1       | 1         |                       | 16.22                    | 16.34                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                         | QPSK       | 1       | 1         |                       | 16.28                    | 16.27                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                         | QPSK       | 1       | 1         |                       | 16.19                    | 16.12                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                         | QPSK       | 1       | 1         |                       | 16.27                    | 16.27                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                         | QPSK       | 1       | 1         |                       | 16.20                    | 16.31                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                         | QPSK       | 1       | 1         |                       | 16.34                    | 16.20                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 630668                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                         | QPSK       | 1       | 1         |                       | 16.32                    | 16.14                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                         | QPSK       | 1       | 1         |                       | 16.32                    | 16.32                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                         | QPSK       | 1       | 1         |                       | 16.25                    | 16.29                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |

| Par270 n77 Ant3 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 | 16.0                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 15.19                 | 15.25                    | 15.21                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 15.19                 | 15.44                    | 15.18                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 15.28                 | 15.35                    | 15.27                  | 16.0                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 15.23                 | 15.41                    | 15.32                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 15.26                 | 15.25                    | 15.35                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 15.13                 | 15.40                    | 15.28                  |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 15.28                 | 15.36                    | 15.22                  | 16.0                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 15.23                 | 15.44                    | 15.38                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 15.28                 | 15.45                    | 15.37                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 15.27                 | 15.36                    | 15.22                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 15.07                 | 15.32                    | 15.34                  | 16.0                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 15.14                 | 15.43                    | 15.35                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 15.14                 | 15.40                    | 15.39                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 15.24                 | 15.45                    | 15.34                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 15.27                 | 15.44                    | 15.31                  | 16.0                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 15.19                 | 15.39                    | 15.22                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 15.07                 | 15.35                    | 15.17                  |                     |          |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                | 16.0                | 0.0      |  |
| 90                   | QPSK       | 1       | 1         | 15.28                 | 15.40                    | 15.20                  | 16.0                | 0.0      |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 15.08                 | 15.45                    | 15.27                  |                     | 0.0      |  |
| Channel              |            |         |           | 648000                | 656000                   | 663000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   | 16.0                | 0.0      |  |
| 70                   | QPSK       | 1       | 1         | 15.19                 | 15.37                    | 15.24                  | 16.0                | 0.0      |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 15.10                 | 15.36                    | 15.21                  |                     | 0.0      |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                | 16.0                | 0.0      |  |
| 50                   | QPSK       | 1       | 1         | 15.08                 | 15.40                    | 15.36                  | 16.0                | 0.0      |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 15.22                 | 15.25                    | 15.35                  |                     | 0.0      |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                | 16.0                | 0.0      |  |
| 30                   | QPSK       | 1       | 1         | 15.11                 | 15.26                    | 15.27                  | 16.0                | 0.0      |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 15.16                 | 15.33                    | 15.28                  |                     | 0.0      |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                | 16.0                | 0.0      |  |
| 20                   | QPSK       | 1       | 1         | 15.09                 | 15.32                    | 15.20                  | 16.0                | 0.0      |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 15.12                 | 15.24                    | 15.27                  |                     | 0.0      |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   | 16.0                | 0.0      |  |
| 10                   | QPSK       | 1       | 1         | 15.16                 | 15.45                    | 15.32                  | 16.0                | 0.0      |  |

| Part27Q n77 Ant3 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                       |                          | 633334                 | 16.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                       |                          | 3500.01                |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                       |                          | 15.33                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                       |                          | 15.41                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                       |                          | 15.29                  | 16.0                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                       |                          | 15.29                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                       |                          | 15.34                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                       |                          | 15.30                  |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                       |                          | 15.31                  | 16.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                       |                          | 15.30                  |                     |          |  |
| 100                   | QPSK       | 1       | 137       |                       |                          | 15.45                  |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       |                          | 15.32                  |                     |          |  |
| 100                   | QPSK       | 135     | 0         |                       |                          | 15.33                  | 16.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 69        |                       |                          | 15.35                  |                     |          |  |
| 100                   | QPSK       | 135     | 138       |                       |                          | 15.30                  |                     |          |  |
| 100                   | QPSK       | 270     | 0         |                       |                          | 15.34                  |                     |          |  |
| 100                   | 16QAM      | 1       | 1         |                       |                          | 15.36                  | 16.0                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         |                       |                          | 15.36                  |                     |          |  |
| 100                   | 256QAM     | 1       | 1         |                       |                          | 15.25                  |                     |          |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                | 16.0                | 0.0      |  |
| 90                    | QPSK       | 1       | 1         | 15.22                 | 15.39                    | 15.17                  | 16.0                | 0.0      |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 15.23                 | 15.18                    | 15.36                  |                     | 0.0      |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 16.0                | 0.0      |  |
| 70                    | QPSK       | 1       | 1         | 15.36                 | 15.39                    | 15.38                  | 16.0                | 0.0      |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 15.36                 | 15.19                    | 15.24                  |                     | 0.0      |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   | 16.0                | 0.0      |  |
| 50                    | QPSK       | 1       | 1         | 15.30                 | 15.15                    | 15.35                  | 16.0                | 0.0      |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 15.17                 | 15.29                    | 15.18                  |                     | 0.0      |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                | 16.0                | 0.0      |  |
| 30                    | QPSK       | 1       | 1         | 15.17                 | 15.17                    | 15.32                  | 16.0                | 0.0      |  |
| Channel               |            |         |           | 630834                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 15.20                 | 15.35                    | 15.35                  |                     | 0.0      |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   | 16.0                | 0.0      |  |
| 20                    | QPSK       | 1       | 1         | 15.23                 | 15.25                    | 15.29                  | 16.0                | 0.0      |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 15.20                 | 15.16                    | 15.30                  |                     | 0.0      |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 16.0                | 0.0      |  |
| 10                    | QPSK       | 1       | 1         | 15.27                 | 15.18                    | 15.38                  | 16.0                | 0.0      |  |

| Part270 n78 PC2/3 Ant3 DSI0 |            |         |           |                       |                          |                        |                     |          |     |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |  |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 17.0                | 0.0      |     |  |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 15.96                    |                        |                     |          |     |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 16.00                    |                        |                     |          |     |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 15.99                    |                        | 17.0                | 0.0      |     |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 15.90                    |                        |                     |          |     |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 15.93                    |                        |                     |          |     |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 15.97                    |                        |                     |          |     |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 15.94                    |                        | 17.0                | 0.0      |     |  |
| 100                         | QPSK       | 1       | 1         |                       | 15.81                    |                        |                     |          |     |  |
| 100                         | QPSK       | 1       | 137       |                       | 16.02                    |                        |                     |          |     |  |
| 100                         | QPSK       | 1       | 271       |                       | 15.86                    |                        |                     |          |     |  |
| 100                         | QPSK       | 135     | 0         |                       | 15.90                    |                        | 17.0                | 0.0      |     |  |
| 100                         | QPSK       | 135     | 69        |                       | 16.00                    |                        |                     |          |     |  |
| 100                         | QPSK       | 135     | 138       |                       | 15.80                    |                        |                     |          |     |  |
| 100                         | QPSK       | 270     | 0         |                       | 15.99                    |                        |                     |          |     |  |
| 100                         | 16QAM      | 1       | 1         |                       | 15.94                    |                        | 17.0                | 0.0      |     |  |
| 100                         | 64QAM      | 1       | 1         |                       | 15.93                    |                        |                     |          |     |  |
| 100                         | 256QAM     | 1       | 1         |                       | 15.97                    |                        |                     |          |     |  |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |  |
| 90                          | QPSK       | 1       | 1         |                       | 15.93                    | 15.75                  | 15.82               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |  |
| 80                          | QPSK       | 1       | 1         |                       | 15.85                    | 15.89                  | 15.83               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |  |
| 70                          | QPSK       | 1       | 1         |                       | 15.93                    | 15.75                  | 15.75               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |  |
| 60                          | QPSK       | 1       | 1         |                       | 15.84                    | 15.77                  | 15.92               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |  |
| 50                          | QPSK       | 1       | 1         |                       | 15.96                    | 15.78                  | 15.85               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |  |
| 40                          | QPSK       | 1       | 1         |                       | 15.91                    | 15.82                  | 15.91               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |  |
| 30                          | QPSK       | 1       | 1         |                       | 15.97                    | 15.75                  | 15.88               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |     |  |
| 25                          | QPSK       | 1       | 1         |                       | 15.81                    | 15.92                  | 15.93               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |  |
| 20                          | QPSK       | 1       | 1         |                       | 15.79                    | 15.91                  | 15.89               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |  |
| 15                          | QPSK       | 1       | 1         |                       | 15.77                    | 15.97                  | 15.95               | 17.0     | 0.0 |  |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |  |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |  |
| 10                          | QPSK       | 1       | 1         |                       | 15.95                    | 15.76                  | 15.78               | 17.0     | 0.0 |  |

| Part27Q 78 PC2/3 Ant3 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (db) |  |
| Channel                    |            |         |           |                       | 633334                   |                        | 17.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 16.12                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 16.29                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 16.30                    |                        | 17.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 16.12                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 16.20                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 16.17                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 16.19                    |                        | 17.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         |                       | 16.15                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 137       |                       | 16.31                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 271       |                       | 16.28                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 0         |                       | 16.27                    |                        | 17.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        |                       | 16.30                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 138       |                       | 16.11                    |                        |                     |          |  |
| 100                        | QPSK       | 270     | 0         |                       | 16.13                    |                        |                     |          |  |
| 100                        | 16QAM      | 1       | 1         |                       | 16.28                    |                        | 17.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         |                       | 16.30                    |                        |                     |          |  |
| 100                        | 256QAM     | 1       | 1         |                       | 16.12                    |                        |                     |          |  |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 15.94                 | 16.07                    | 15.92                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 16.05                 | 15.91                    | 16.06                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                         | QPSK       | 1       | 1         | 16.12                 | 16.07                    | 15.91                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 16.09                 | 16.10                    | 16.09                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 16.05                 | 16.00                    | 15.98                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 15.93                 | 15.94                    | 15.98                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                         | QPSK       | 1       | 1         | 16.12                 | 16.04                    | 16.01                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                         | QPSK       | 1       | 1         | 16.00                 | 16.01                    | 16.13                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 16.01                 | 15.92                    | 16.06                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 15.98                 | 15.95                    | 16.12                  | 17.0                | 0.0      |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 16.05                 | 16.06                    | 16.08                  | 17.0                | 0.0      |  |

| Par270 n77 Ant4 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 15.39                 | 15.52                    | 15.57                  | 15.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 15.45                 | 15.42                    | 15.41                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 15.42                 | 15.49                    | 15.37                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 15.48                 | 15.51                    | 15.44                  | 15.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 15.55                 | 15.59                    | 15.38                  | 15.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 15.50                 | 15.49                    | 15.57                  | 15.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 15.55                 | 15.55                    | 15.39                  |                     |          |  |
| 100                  | QPSK       | 1       | 1         | 15.40                 | 15.47                    | 15.37                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 15.55                 | 15.61                    | 15.58                  | 15.7                | 0.0      |  |
| 100                  | QPSK       | 1       | 271       | 15.56                 | 15.48                    | 15.40                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 15.44                 | 15.55                    | 15.38                  |                     |          |  |
| 100                  | QPSK       | 135     | 69        | 15.42                 | 15.56                    | 15.42                  | 15.7                | 0.0      |  |
| 100                  | QPSK       | 135     | 138       | 15.53                 | 15.52                    | 15.53                  | 15.7                | 0.0      |  |
| 100                  | QPSK       | 270     | 0         | 15.45                 | 15.55                    | 15.53                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 15.50                 | 15.54                    | 15.59                  | 15.7                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 15.38                 | 15.45                    | 15.47                  | 15.7                | 0.0      |  |
| 100                  | 256QAM     | 1       | 1         | 15.34                 | 15.50                    | 15.45                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 649668                | 656000                   | 662334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                | 15.7                | 0.0      |  |
| 90                   | QPSK       | 1       | 1         | 15.40                 | 15.57                    | 15.39                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                | 15.7                | 0.0      |  |
| 80                   | QPSK       | 1       | 1         | 15.46                 | 15.50                    | 15.41                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   | 15.7                | 0.0      |  |
| 70                   | QPSK       | 1       | 1         | 15.46                 | 15.50                    | 15.47                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                | 15.7                | 0.0      |  |
| 60                   | QPSK       | 1       | 1         | 15.49                 | 15.50                    | 15.42                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                | 15.7                | 0.0      |  |
| 50                   | QPSK       | 1       | 1         | 15.41                 | 15.59                    | 15.51                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   | 15.7                | 0.0      |  |
| 40                   | QPSK       | 1       | 1         | 15.42                 | 15.58                    | 15.51                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                | 15.7                | 0.0      |  |
| 30                   | QPSK       | 1       | 1         | 15.43                 | 15.40                    | 15.50                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 | 15.7                | 0.0      |  |
| 25                   | QPSK       | 1       | 1         | 15.46                 | 15.44                    | 15.36                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647234                | 656000                   | 664668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                | 15.7                | 0.0      |  |
| 20                   | QPSK       | 1       | 1         | 15.40                 | 15.42                    | 15.42                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                | 15.7                | 0.0      |  |
| 15                   | QPSK       | 1       | 1         | 15.36                 | 15.57                    | 15.51                  | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   | 15.7                | 0.0      |  |
| 10                   | QPSK       | 1       | 1         | 15.40                 | 15.42                    | 15.43                  | 15.7                | 0.0      |  |

| Part27Q n77 Ant4 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 633334                |                          |                        | 15.7                | 0.0      |  |
| Frequency (MHz)       |            |         |           | 3900.01               |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         | 15.50                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       | 15.53                 |                          |                        | 15.7                | 0.0      |  |
| 100                   | PI/2 BPSK  | 1       | 271       | 15.52                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 0         | 15.63                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        | 15.63                 |                          |                        | 15.7                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 138       | 15.51                 |                          |                        | 15.7                | 0.0      |  |
| 100                   | PI/2 BPSK  | 270     | 0         | 15.49                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 1       | 1         | 15.56                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 1       | 137       | 15.65                 |                          |                        | 15.7                | 0.0      |  |
| 100                   | QPSK       | 1       | 271       | 15.64                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 135     | 0         | 15.54                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 135     | 69        | 15.61                 |                          |                        | 15.7                | 0.0      |  |
| 100                   | QPSK       | 135     | 138       | 15.60                 |                          |                        | 15.7                | 0.0      |  |
| 100                   | QPSK       | 270     | 0         | 15.57                 |                          |                        |                     |          |  |
| 100                   | 16QAM      | 1       | 1         | 15.54                 |                          |                        | 15.7                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         | 15.45                 |                          |                        | 15.7                | 0.0      |  |
| 100                   | 256QAM     | 1       | 1         | 15.59                 |                          |                        | 15.7                | 0.0      |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                | 15.7                | 0.0      |  |
| 90                    | QPSK       | 1       | 1         | 15.45                 | 15.47                    | 15.64                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   | 15.7                | 0.0      |  |
| 80                    | QPSK       | 1       | 1         | 15.49                 | 15.47                    | 15.63                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 15.7                | 0.0      |  |
| 70                    | QPSK       | 1       | 1         | 15.51                 | 15.56                    | 15.52                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                | 15.7                | 0.0      |  |
| 60                    | QPSK       | 1       | 1         | 15.65                 | 15.62                    | 15.55                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   | 15.7                | 0.0      |  |
| 50                    | QPSK       | 1       | 1         | 15.64                 | 15.56                    | 15.60                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 15.7                | 0.0      |  |
| 40                    | QPSK       | 1       | 1         | 15.49                 | 15.51                    | 15.66                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                | 15.7                | 0.0      |  |
| 30                    | QPSK       | 1       | 1         | 15.57                 | 15.56                    | 15.48                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                | 15.7                | 0.0      |  |
| 25                    | QPSK       | 1       | 1         | 15.48                 | 15.50                    | 15.61                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 630568                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   | 15.7                | 0.0      |  |
| 20                    | QPSK       | 1       | 1         | 15.54                 | 15.46                    | 15.49                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 15.7                | 0.0      |  |
| 15                    | QPSK       | 1       | 1         | 15.56                 | 15.51                    | 15.54                  | 15.7                | 0.0      |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 15.7                | 0.0      |  |
| 10                    | QPSK       | 1       | 1         | 15.63                 | 15.43                    | 15.64                  | 15.7                | 0.0      |  |

| Part270 n78 PC2/3 Ant4 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 17.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 16.60                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 16.49                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 16.59                    |                        | 17.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 16.53                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 16.61                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 16.60                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 16.51                    |                        | 17.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 1         |                       | 16.43                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 137       |                       | 16.65                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 271       |                       | 16.50                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 16.43                    |                        | 17.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 16.60                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 138       |                       | 16.58                    |                        |                     |          |  |
| 100                         | QPSK       | 270     | 0         |                       | 16.52                    |                        |                     |          |  |
| 100                         | 16QAM      | 1       | 1         |                       | 16.54                    |                        | 17.0                | 0.0      |  |
| 100                         | 64QAM      | 1       | 1         |                       | 16.47                    |                        |                     |          |  |
| 100                         | 256QAM     | 1       | 1         |                       | 16.52                    |                        |                     |          |  |
| Channel                     |            |         |           | 648668                | 650000                   | 650334                 | 17.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                          | QPSK       | 1       | 1         |                       | 16.52                    | 16.54                  |                     | 17.0     |  |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                          | QPSK       | 1       | 1         |                       | 16.53                    | 16.41                  |                     | 17.0     |  |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                          | QPSK       | 1       | 1         |                       | 16.37                    | 16.49                  |                     | 17.0     |  |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                          | QPSK       | 1       | 1         |                       | 16.47                    | 16.36                  |                     | 17.0     |  |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                          | QPSK       | 1       | 1         |                       | 16.45                    | 16.39                  |                     | 17.0     |  |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                          | QPSK       | 1       | 1         |                       | 16.54                    | 16.35                  |                     | 17.0     |  |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                          | QPSK       | 1       | 1         |                       | 16.57                    | 16.39                  |                     | 17.0     |  |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                          | QPSK       | 1       | 1         |                       | 16.34                    | 16.34                  |                     | 17.0     |  |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                          | QPSK       | 1       | 1         |                       | 16.37                    | 16.37                  |                     | 17.0     |  |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                          | QPSK       | 1       | 1         |                       | 16.49                    | 16.40                  |                     | 17.0     |  |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                          | QPSK       | 1       | 1         |                       | 16.40                    | 16.53                  |                     | 17.0     |  |

| Part27Q 78 PC2/3 Ant4 DSI0 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       | 3600.01                  |                        | 17.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           |                       | 3600.01                  |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 16.68                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 16.57                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 16.68                    |                        | 17.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 16.58                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 16.63                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 16.55                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 16.70                    |                        | 17.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         |                       | 16.56                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 137       |                       | 16.75                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 271       |                       | 16.61                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 0         |                       | 16.70                    |                        | 17.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        |                       | 16.72                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 138       |                       | 16.68                    |                        |                     |          |  |
| 100                        | QPSK       | 270     | 0         |                       | 16.64                    |                        |                     |          |  |
| 100                        | 16QAM      | 1       | 1         |                       | 16.69                    |                        | 17.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         |                       | 16.67                    |                        |                     |          |  |
| 100                        | 256QAM     | 1       | 1         |                       | 16.62                    |                        |                     |          |  |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | 17.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                         | QPSK       | 1       | 1         |                       | 16.35                    | 16.49                  |                     | 17.0     |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                         | QPSK       | 1       | 1         |                       | 16.51                    | 16.53                  |                     | 17.0     |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                         | QPSK       | 1       | 1         |                       | 16.48                    | 16.34                  |                     | 17.0     |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                         | QPSK       | 1       | 1         |                       | 16.33                    | 16.55                  |                     | 17.0     |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                         | QPSK       | 1       | 1         |                       | 16.32                    | 16.41                  |                     | 17.0     |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                         | QPSK       | 1       | 1         |                       | 16.40                    | 16.56                  |                     | 17.0     |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                         | QPSK       | 1       | 1         |                       | 16.42                    | 16.46                  |                     | 17.0     |  |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                         | QPSK       | 1       | 1         |                       | 16.35                    | 16.55                  |                     | 17.0     |  |
| Channel                    |            |         |           | 630668                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                         | QPSK       | 1       | 1         |                       | 16.36                    | 16.37                  |                     | 17.0     |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                         | QPSK       | 1       | 1         |                       | 16.34                    | 16.37                  |                     | 17.0     |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                         | QPSK       | 1       | 1         |                       | 16.38                    | 16.35                  |                     | 17.0     |  |

| n7 Ant5 Default |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 25.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 23.81                    | 23.92                       | 23.88                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 23.58                    | 23.73                       | 23.68                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 23.53                    | 23.60                       | 23.51                     | 24.5                   | 0.5         |
| 50              | PI/2 BPSK  | 64      | 0         | 23.41                    | 23.50                       | 23.43                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 23.73                    | 23.84                       | 23.76                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 69        | 23.19                    | 23.27                       | 23.13                     |                        |             |
| 50              | PI/2 BPSK  | 128     | 0         | 23.25                    | 23.39                       | 23.28                     | 24.5                   | 0.5         |
| 50              | QPSK       | 1       | 1         | 23.81                    | 23.95                       | 23.88                     |                        |             |
| 50              | QPSK       | 1       | 67        | 23.67                    | 23.77                       | 23.65                     |                        |             |
| 50              | QPSK       | 1       | 131       | 23.61                    | 23.68                       | 23.59                     |                        |             |
| 50              | QPSK       | 64      | 0         | 22.82                    | 22.92                       | 22.78                     | 24.0                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 23.84                    | 23.91                       | 23.87                     |                        |             |
| 50              | QPSK       | 64      | 69        | 22.75                    | 22.90                       | 22.81                     |                        |             |
| 50              | QPSK       | 128     | 0         | 22.73                    | 22.87                       | 22.74                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 22.53                    | 22.47                       | 22.55                     | 24.0                   | 1.0         |
| 50              | 64QAM      | 1       | 1         | 21.05                    | 21.03                       | 21.01                     |                        |             |
| 50              | 256QAM     | 1       | 1         | 19.51                    | 19.65                       | 19.51                     |                        |             |
| Channel         |            |         |           | 508000                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2530                     | 2535                        | 2550                      |                        |             |
| 40              | QPSK       | 1       | 1         | 23.68                    | 23.88                       | 23.78                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 23.68                    | 23.80                       | 23.76                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 23.67                    | 23.80                       | 23.84                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | QPSK       | 1       | 1         | 23.72                    | 23.82                       | 23.77                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 23.75                    | 23.86                       | 23.79                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 23.77                    | 23.80                       | 23.81                     |                        |             |

| n38 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 2690.02               | 2595                     | 2599.98                | 25.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 5160.04               | 5150.00                  | 5159.96                |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 1         | 23.61                 | 23.68                    | 23.64                  |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 53        | 23.98                 | 24.07                    | 23.98                  | 25.0                | 0.5      |  |
| 40               | PI/2 BPSK  | 1       | 104       | 23.92                 | 23.97                    | 23.94                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 0         | 23.38                 | 23.47                    | 23.40                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 28        | 23.91                 | 24.02                    | 23.89                  | 25.5                | 0.0      |  |
| 40               | PI/2 BPSK  | 50      | 56        | 23.38                 | 23.48                    | 23.34                  | 25.0                | 0.5      |  |
| 40               | PI/2 BPSK  | 100     | 0         | 23.36                 | 23.53                    | 23.50                  |                     |          |  |
| 40               | QPSK       | 1       | 1         | 23.97                 | 23.71                    | 23.85                  |                     |          |  |
| 40               | QPSK       | 1       | 53        | 23.97                 | 24.12                    | 24.06                  | 25.5                | 0.0      |  |
| 40               | QPSK       | 1       | 104       | 23.52                 | 23.62                    | 23.56                  |                     |          |  |
| 40               | QPSK       | 50      | 0         | 22.98                 | 23.16                    | 23.86                  |                     |          |  |
| 40               | QPSK       | 50      | 28        | 23.97                 | 24.04                    | 23.98                  | 24.5                | 1.0      |  |
| 40               | QPSK       | 50      | 56        | 22.79                 | 22.93                    | 22.83                  |                     |          |  |
| 40               | QPSK       | 100     | 0         | 22.93                 | 22.96                    | 22.81                  |                     |          |  |
| 40               | 16QAM      | 1       | 1         | 22.73                 | 22.79                    | 22.71                  | 24.5                | 1.0      |  |
| 40               | 64QAM      | 1       | 1         | 21.23                 | 21.33                    | 21.26                  |                     |          |  |
| 40               | 256QAM     | 1       | 1         | 19.68                 | 19.76                    | 19.63                  |                     |          |  |
| Channel          |            |         |           | 5170.02               | 5160.00                  | 5169.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2695.01               | 2595                     | 2604.99                |                     |          |  |
| 30               | QPSK       | 1       | 1         | 23.68                 | 23.88                    | 23.70                  |                     | 25.5     |  |
| Channel          |            |         |           | 5169.04               | 5160.00                  | 5214.96                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2592.52               | 2595                     | 2607.48                |                     |          |  |
| 25               | QPSK       | 1       | 1         | 23.71                 | 23.78                    | 23.72                  |                     | 25.5     |  |
| Channel          |            |         |           | 5160.00               | 5160.00                  | 5220.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20               | QPSK       | 1       | 1         | 23.74                 | 23.85                    | 23.74                  |                     | 25.5     |  |
| Channel          |            |         |           | 5159.02               | 5160.00                  | 5224.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2577.54               | 2595                     | 2612.46                |                     |          |  |
| 15               | QPSK       | 1       | 1         | 23.69                 | 23.88                    | 23.75                  |                     | 25.5     |  |
| Channel          |            |         |           | 5160.04               | 5160.00                  | 5229.96                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |  |
| 10               | QPSK       | 1       | 1         | 23.66                 | 23.80                    | 23.82                  |                     | 25.5     |  |

| n41 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 2548.01               | 2552.99                  | 2540                   | 25.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 5092.02               | 5185.98                  | 5200.00                |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 1         | 23.52                 | 23.54                    | 23.55                  |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 137       | 24.05                 | 24.14                    | 24.03                  | 25.5                | 0.5      |  |
| 100              | PI/2 BPSK  | 1       | 271       | 23.61                 | 23.58                    | 23.51                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 0         | 23.44                 | 23.53                    | 23.49                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 69        | 23.94                 | 24.08                    | 23.96                  | 25.5                | 0.0      |  |
| 100              | PI/2 BPSK  | 135     | 138       | 23.38                 | 23.44                    | 23.41                  |                     |          |  |
| 100              | PI/2 BPSK  | 270     | 0         | 23.37                 | 23.47                    | 23.34                  |                     |          |  |
| 100              | QPSK       | 1       | 1         | 23.54                 | 23.62                    | 23.57                  | 25.5                | 0.0      |  |
| 100              | QPSK       | 1       | 137       | 24.10                 | 24.17                    | 24.07                  |                     |          |  |
| 100              | QPSK       | 1       | 271       | 23.53                 | 23.56                    | 23.62                  |                     |          |  |
| 100              | QPSK       | 135     | 0         | 22.92                 | 23.05                    | 22.92                  | 24.5                | 1.0      |  |
| 100              | QPSK       | 135     | 69        | 24.00                 | 24.14                    | 24.02                  |                     |          |  |
| 100              | QPSK       | 135     | 138       | 22.85                 | 22.84                    | 22.89                  |                     |          |  |
| 100              | QPSK       | 270     | 0         | 22.84                 | 22.88                    | 22.91                  | 24.5                | 1.0      |  |
| 100              | 16QAM      | 1       | 1         | 22.67                 | 22.75                    | 22.63                  |                     |          |  |
| 100              | 64QAM      | 1       | 1         | 21.34                 | 21.17                    | 21.23                  |                     | 23.0     |  |
| 100              | 256QAM     | 1       | 1         | 19.46                 | 19.58                    | 19.42                  | 21.0                | 4.5      |  |
| Channel          |            |         |           | 5092.00               | 5185.98                  | 5209.96                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2541                  | 2552.99                  | 2544.98                |                     |          |  |
| 90               | QPSK       | 1       | 1         | 23.92                 | 24.03                    | 23.87                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5072.04               | 5185.98                  | 5299.96                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2536.02               | 2592.99                  | 2648.99                |                     |          |  |
| 80               | QPSK       | 1       | 1         | 24.02                 | 24.09                    | 23.92                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5052.02               | 5185.98                  | 5310.00                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |  |
| 70               | QPSK       | 1       | 1         | 23.96                 | 24.02                    | 23.90                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5052.00               | 5185.98                  | 5319.96                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2524                  | 2592.99                  | 2659.98                |                     |          |  |
| 60               | QPSK       | 1       | 1         | 24.00                 | 23.97                    | 23.91                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5042.04               | 5185.98                  | 5329.98                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |  |
| 50               | QPSK       | 1       | 1         | 23.97                 | 24.09                    | 23.88                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5032.02               | 5185.98                  | 5340.00                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |  |
| 40               | QPSK       | 1       | 1         | 23.94                 | 24.04                    | 23.88                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5022.00               | 5185.98                  | 5349.96                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2511                  | 2592.99                  | 2674.99                |                     |          |  |
| 30               | QPSK       | 1       | 1         | 23.99                 | 24.05                    | 23.91                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5012.04               | 5185.98                  | 5359.98                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |  |
| 20               | QPSK       | 1       | 1         | 23.95                 | 24.07                    | 23.91                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5007.00               | 5185.98                  | 5364.96                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2501.5                | 2592.99                  | 2689.48                |                     |          |  |
| 15               | QPSK       | 1       | 1         | 23.93                 | 23.99                    | 23.93                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 5002.02               | 5185.98                  | 5370.00                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |  |
| 10               | QPSK       | 1       | 1         | 24.01                 | 24.04                    | 23.94                  | 25.5                | 0.0      |  |



| Par270 n77 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                 |            |         |           | 3750                  | 3840                     | 3930                   | 24.0                | 0.0      |  |
| Frequency (MHz)         |            |         |           |                       |                          |                        |                     |          |  |
| 100                     | PV2 BPSK   | 1       | 1         | 22.65                 | 22.86                    | 22.87                  |                     |          |  |
| 100                     | PV2 BPSK   | 1       | 137       | 23.18                 | 23.34                    | 23.16                  |                     |          |  |
| 100                     | PV2 BPSK   | 1       | 271       | 22.84                 | 22.79                    | 22.68                  | 23.5                | 0.5      |  |
| 100                     | PV2 BPSK   | 135     | 0         | 22.81                 | 22.81                    | 22.82                  |                     |          |  |
| 100                     | PV2 BPSK   | 135     | 69        | 23.16                 | 23.31                    | 23.16                  |                     |          |  |
| 100                     | PV2 BPSK   | 135     | 138       | 22.62                 | 22.74                    | 22.68                  |                     |          |  |
| 100                     | PV2 BPSK   | 270     | 0         | 22.56                 | 22.77                    | 22.71                  | 24.0                | 0.0      |  |
| 100                     | QPSK       | 1       | 1         | 22.80                 | 22.91                    | 22.86                  |                     |          |  |
| 100                     | QPSK       | 1       | 137       | 23.32                 | 23.43                    | 23.42                  |                     |          |  |
| 100                     | QPSK       | 1       | 271       | 22.83                 | 22.82                    | 22.83                  |                     |          |  |
| 100                     | QPSK       | 135     | 0         | 22.26                 | 22.27                    | 22.15                  | 23.0                | 1.0      |  |
| 100                     | QPSK       | 135     | 69        | 23.25                 | 23.37                    | 22.30                  | 24.0                | 0.0      |  |
| 100                     | QPSK       | 135     | 138       | 22.02                 | 22.23                    | 22.08                  | 23.0                | 1.0      |  |
| 100                     | QPSK       | 270     | 0         | 22.00                 | 22.20                    | 21.99                  |                     |          |  |
| 100                     | 16QAM      | 1       | 1         | 21.67                 | 21.89                    | 21.80                  | 23.0                | 1.0      |  |
| 100                     | 64QAM      | 1       | 1         | 20.27                 | 20.47                    | 20.37                  | 21.5                | 2.5      |  |
| 100                     | 256QAM     | 1       | 1         | 18.69                 | 18.67                    | 18.57                  | 19.5                | 4.5      |  |
| Channel                 |            |         |           | 648968                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |          |  |
| 90                      | QPSK       | 1       | 1         | 22.97                 | 22.87                    | 22.93                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 649334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                      | QPSK       | 1       | 1         | 22.99                 | 22.86                    | 22.86                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 649000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3735                  | 3840                     | 3945                   |                     |          |  |
| 70                      | QPSK       | 1       | 1         | 22.91                 | 22.88                    | 22.95                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 648668                | 650000                   | 653334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                      | QPSK       | 1       | 1         | 22.87                 | 22.91                    | 22.87                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 648334                | 650000                   | 653668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |
| 50                      | QPSK       | 1       | 1         | 22.92                 | 22.98                    | 22.90                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 649000                | 650000                   | 654000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                      | QPSK       | 1       | 1         | 22.96                 | 23.00                    | 22.90                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 647668                | 650000                   | 654334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                      | QPSK       | 1       | 1         | 22.90                 | 22.90                    | 22.94                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 647000                | 650000                   | 654500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                      | QPSK       | 1       | 1         | 22.86                 | 23.00                    | 22.90                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 647334                | 650000                   | 654668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                      | QPSK       | 1       | 1         | 22.91                 | 22.93                    | 22.89                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 647168                | 650000                   | 654834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                      | QPSK       | 1       | 1         | 22.89                 | 22.91                    | 22.98                  | 24.0                | 0.0      |  |
| Channel                 |            |         |           | 647000                | 650000                   | 655000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |
| 10                      | QPSK       | 1       | 1         | 22.94                 | 22.91                    | 22.90                  | 24.0                | 0.0      |  |

| Part27Q n77 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                  |            |         |           | 633000                | 633334                   | 633668                 | 24.0                | 0.0      |  |
| Frequency (MHz)          |            |         |           |                       |                          |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 1         |                       | 22.96                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 137       |                       | 23.50                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 271       |                       | 23.02                    |                        | 23.5                | 0.5      |  |
| 100                      | PV2 BPSK   | 135     | 0         |                       | 22.94                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 135     | 69        |                       | 23.41                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 135     | 138       |                       | 22.88                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 270     | 0         |                       | 22.87                    |                        | 24.0                | 0.0      |  |
| 100                      | QPSK       | 1       | 1         |                       | 23.01                    |                        |                     |          |  |
| 100                      | QPSK       | 1       | 137       |                       | 23.51                    |                        |                     |          |  |
| 100                      | QPSK       | 1       | 271       |                       | 23.09                    |                        |                     |          |  |
| 100                      | QPSK       | 135     | 0         |                       | 22.39                    |                        | 23.0                | 1.0      |  |
| 100                      | QPSK       | 135     | 69        |                       | 23.45                    |                        | 24.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 138       |                       | 22.44                    |                        | 23.0                | 1.0      |  |
| 100                      | QPSK       | 270     | 0         |                       | 22.31                    |                        |                     |          |  |
| 100                      | 16QAM      | 1       | 1         |                       | 21.97                    |                        | 23.0                | 1.0      |  |
| 100                      | 64QAM      | 1       | 1         |                       | 20.64                    |                        | 21.5                | 2.5      |  |
| 100                      | 256QAM     | 1       | 1         |                       | 18.71                    |                        | 19.5                | 4.5      |  |
| Channel                  |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                       | QPSK       | 1       | 1         | 22.96                 | 22.99                    | 22.99                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                       | QPSK       | 1       | 1         | 22.95                 | 22.92                    | 22.97                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                       | QPSK       | 1       | 1         | 22.98                 | 22.97                    | 22.97                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3480                  | 3500.02                  | 3520.02                |                     |          |  |
| 60                       | QPSK       | 1       | 1         | 22.91                 | 23.00                    | 22.96                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                       | QPSK       | 1       | 1         | 22.90                 | 22.98                    | 23.04                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                       | QPSK       | 1       | 1         | 23.00                 | 22.94                    | 22.92                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                       | QPSK       | 1       | 1         | 22.90                 | 23.02                    | 22.97                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 630668                | 633334                   | 635934                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                       | QPSK       | 1       | 1         | 22.93                 | 22.94                    | 23.03                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                       | QPSK       | 1       | 1         | 22.94                 | 22.99                    | 23.04                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                       | QPSK       | 1       | 1         | 22.99                 | 22.94                    | 23.02                  | 24.0                | 0.0      |  |
| Channel                  |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                       | QPSK       | 1       | 1         | 22.94                 | 22.95                    | 23.00                  | 24.0                | 0.0      |  |

| Part27O n78 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (db) |  |
| Channel                  |            |         |           | 3750                  | 3750                     | 3750                   | 23.0                | 0.0      |  |
| Frequency (MHz)          |            |         |           |                       |                          |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 1         |                       | 21.63                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 137       |                       | 22.23                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 1       | 271       |                       | 21.67                    |                        | 23.0                | 0.0      |  |
| 100                      | PV2 BPSK   | 135     | 0         |                       | 22.17                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 135     | 69        |                       | 22.21                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 135     | 138       |                       | 22.11                    |                        |                     |          |  |
| 100                      | PV2 BPSK   | 270     | 0         |                       | 22.12                    |                        | 23.0                | 0.0      |  |
| 100                      | QPSK       | 1       | 1         |                       | 21.96                    |                        |                     |          |  |
| 100                      | QPSK       | 1       | 137       |                       | 22.25                    |                        |                     |          |  |
| 100                      | QPSK       | 1       | 271       |                       | 21.74                    |                        |                     |          |  |
| 100                      | QPSK       | 135     | 0         |                       | 22.11                    |                        | 23.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 69        |                       | 22.24                    |                        | 23.0                | 0.0      |  |
| 100                      | QPSK       | 135     | 138       |                       | 22.17                    |                        | 23.0                | 0.0      |  |
| 100                      | QPSK       | 270     | 0         |                       | 22.09                    |                        |                     |          |  |
| 100                      | 16QAM      | 1       | 1         |                       | 21.39                    |                        | 23.0                | 0.0      |  |
| 100                      | 64QAM      | 1       | 1         |                       | 21.47                    |                        | 23.0                | 0.0      |  |
| 100                      | 256QAM     | 1       | 1         |                       | 20.53                    |                        | 21.5                | 1.5      |  |
| Channel                  |            |         |           | 648968                | 650000                   | 652334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                       | QPSK       | 1       | 1         | 21.64                 | 21.67                    | 21.64                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 648334                | 650000                   | 650668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                       | QPSK       | 1       | 1         | 21.67                 | 21.69                    | 21.62                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                       | QPSK       | 1       | 1         | 21.63                 | 21.67                    | 21.61                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3732.02               | 3750                     | 3767.01                |                     |          |  |
| 60                       | QPSK       | 1       | 1         | 21.69                 | 21.72                    | 21.60                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                       | QPSK       | 1       | 1         | 21.70                 | 21.67                    | 21.64                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 648900                | 650000                   | 652000                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                       | QPSK       | 1       | 1         | 21.61                 | 21.67                    | 21.73                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                       | QPSK       | 1       | 1         | 21.65                 | 21.70                    | 21.72                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                       | QPSK       | 1       | 1         | 21.73                 | 21.60                    | 21.68                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                       | QPSK       | 1       | 1         | 21.64                 | 21.62                    | 21.66                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                       | QPSK       | 1       | 1         | 21.73                 | 21.63                    | 21.68                  | 23.0                | 0.0      |  |
| Channel                  |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)          |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                       | QPSK       | 1       | 1         | 21.70                 | 21.67                    | 21.72                  | 23.0                | 0.0      |  |



| Part270 n78 PC2 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                      |            |         |           | 65000                 | 65000                    | 65000                  |                     |          |  |
| Frequency (MHz)              |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                          | PI2 BPSK   | 1       | 1         |                       | 24.64                    |                        |                     |          |  |
| 100                          | PI2 BPSK   | 1       | 137       |                       | 25.19                    |                        | 26.0                | 0.0      |  |
| 100                          | PI2 BPSK   | 1       | 271       |                       | 24.98                    |                        |                     |          |  |
| 100                          | PI2 BPSK   | 135     | 0         |                       | 24.59                    |                        | 25.5                | 0.5      |  |
| 100                          | PI2 BPSK   | 135     | 69        |                       | 25.15                    |                        | 26.0                | 0.0      |  |
| 100                          | PI2 BPSK   | 135     | 138       |                       | 24.61                    |                        | 25.5                | 0.5      |  |
| 100                          | PI2 BPSK   | 270     | 0         |                       | 24.56                    |                        |                     |          |  |
| 100                          | QPSK       | 1       | 1         |                       | 24.64                    |                        |                     |          |  |
| 100                          | QPSK       | 1       | 137       |                       | 25.25                    |                        | 26.0                | 0.0      |  |
| 100                          | QPSK       | 1       | 271       |                       | 24.71                    |                        |                     |          |  |
| 100                          | QPSK       | 135     | 0         |                       | 24.05                    |                        | 25.0                | 1.0      |  |
| 100                          | QPSK       | 135     | 69        |                       | 25.18                    |                        | 26.0                | 0.0      |  |
| 100                          | QPSK       | 135     | 138       |                       | 24.98                    |                        | 25.0                | 1.0      |  |
| 100                          | QPSK       | 270     | 0         |                       | 24.03                    |                        |                     |          |  |
| 100                          | 16QAM      | 1       | 1         |                       | 23.46                    |                        | 25.0                | 1.0      |  |
| 100                          | 64QAM      | 1       | 1         |                       | 22.02                    |                        | 23.5                | 2.5      |  |
| 100                          | 256QAM     | 1       | 1         |                       | 20.63                    |                        | 21.5                | 4.5      |  |
| Channel                      |            |         |           | 64868                 | 65000                    | 65034                  | Tune-up limit (dB)  | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                           | QPSK       | 1       | 1         | 24.70                 | 24.60                    | 24.64                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dB)  | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                           | QPSK       | 1       | 1         | 24.64                 | 24.71                    | 24.60                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                           | QPSK       | 1       | 1         | 24.63                 | 24.59                    | 24.68                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3720.02               | 3750                     | 3770.01                |                     |          |  |
| 60                           | QPSK       | 1       | 1         | 24.68                 | 24.60                    | 24.59                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                           | QPSK       | 1       | 1         | 24.60                 | 24.69                    | 24.67                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 649000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                           | QPSK       | 1       | 1         | 24.63                 | 24.68                    | 24.62                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3713.02               | 3750                     | 3763.01                |                     |          |  |
| 30                           | QPSK       | 1       | 1         | 24.65                 | 24.58                    | 24.60                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3712.5                | 3750                     | 3767.5                 |                     |          |  |
| 25                           | QPSK       | 1       | 1         | 24.67                 | 24.65                    | 24.58                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3703.01               | 3750                     | 3760.02                |                     |          |  |
| 20                           | QPSK       | 1       | 1         | 24.62                 | 24.57                    | 24.69                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3707.52               | 3750                     | 3757.51                |                     |          |  |
| 15                           | QPSK       | 1       | 1         | 24.66                 | 24.62                    | 24.62                  | 26.0                | 0.0      |  |
| Channel                      |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)              |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                           | QPSK       | 1       | 1         | 24.66                 | 24.60                    | 24.69                  | 26.0                | 0.0      |  |

| Part27Q 78 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                 |            |         |           | 633000                | 633334                   | 633668                 |                     |          |  |
| Frequency (MHz)         |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                     | PI2 BPSK   | 1       | 1         |                       | 21.53                    |                        |                     |          |  |
| 100                     | PI2 BPSK   | 1       | 137       |                       | 22.05                    |                        | 23.0                | 0.0      |  |
| 100                     | PI2 BPSK   | 1       | 271       |                       | 21.02                    |                        |                     |          |  |
| 100                     | PI2 BPSK   | 135     | 0         |                       | 21.91                    |                        | 23.0                | 0.0      |  |
| 100                     | PI2 BPSK   | 135     | 69        |                       | 22.04                    |                        | 23.0                | 0.0      |  |
| 100                     | PI2 BPSK   | 135     | 138       |                       | 21.96                    |                        | 23.0                | 0.0      |  |
| 100                     | PI2 BPSK   | 270     | 0         |                       | 22.02                    |                        |                     |          |  |
| 100                     | QPSK       | 1       | 1         |                       | 21.08                    |                        |                     |          |  |
| 100                     | QPSK       | 1       | 137       |                       | 22.18                    |                        | 23.0                | 0.0      |  |
| 100                     | QPSK       | 1       | 271       |                       | 21.67                    |                        |                     |          |  |
| 100                     | QPSK       | 135     | 0         |                       | 21.96                    |                        | 23.0                | 0.0      |  |
| 100                     | QPSK       | 135     | 69        |                       | 22.10                    |                        | 23.0                | 0.0      |  |
| 100                     | QPSK       | 135     | 138       |                       | 22.01                    |                        | 23.0                | 0.0      |  |
| 100                     | QPSK       | 270     | 0         |                       | 21.98                    |                        |                     |          |  |
| 100                     | 16QAM      | 1       | 1         |                       | 21.48                    |                        | 23.0                | 0.0      |  |
| 100                     | 64QAM      | 1       | 1         |                       | 21.52                    |                        | 23.0                | 0.0      |  |
| 100                     | 256QAM     | 1       | 1         |                       | 20.47                    |                        | 23.5                | 1.5      |  |
| Channel                 |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                      | QPSK       | 1       | 1         | 21.61                 | 21.61                    | 21.61                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                      | QPSK       | 1       | 1         | 21.04                 | 21.03                    | 21.02                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                      | QPSK       | 1       | 1         | 21.56                 | 21.60                    | 21.53                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                      | QPSK       | 1       | 1         | 21.05                 | 21.59                    | 21.57                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                      | QPSK       | 1       | 1         | 21.58                 | 21.62                    | 21.63                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                      | QPSK       | 1       | 1         | 21.59                 | 21.64                    | 21.57                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                      | QPSK       | 1       | 1         | 21.61                 | 21.57                    | 21.61                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 630834                | 633334                   | 635934                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                      | QPSK       | 1       | 1         | 21.66                 | 21.53                    | 21.52                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                      | QPSK       | 1       | 1         | 21.63                 | 21.66                    | 21.62                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                      | QPSK       | 1       | 1         | 21.62                 | 21.65                    | 21.60                  | 23.0                | 0.0      |  |
| Channel                 |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)         |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                      | QPSK       | 1       | 1         | 21.64                 | 21.60                    | 21.53                  | 23.0                | 0.0      |  |

| Part27Q 78 PC2 Ant5 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 633000                | 633334                   | 633668                 |                     |          |  |
| Frequency (MHz)             |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                         | PI2 BPSK   | 1       | 1         |                       | 24.06                    |                        |                     |          |  |
| 100                         | PI2 BPSK   | 1       | 137       |                       | 25.18                    |                        | 26.0                | 0.0      |  |
| 100                         | PI2 BPSK   | 1       | 271       |                       | 24.74                    |                        |                     |          |  |
| 100                         | PI2 BPSK   | 135     | 0         |                       | 24.00                    |                        | 25.5                | 0.5      |  |
| 100                         | PI2 BPSK   | 135     | 69        |                       | 25.14                    |                        | 26.0                | 0.0      |  |
| 100                         | PI2 BPSK   | 135     | 138       |                       | 24.56                    |                        | 25.5                | 0.5      |  |
| 100                         | PI2 BPSK   | 270     | 0         |                       | 24.63                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 1         |                       | 24.04                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 137       |                       | 25.27                    |                        | 26.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 271       |                       | 24.73                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 24.04                    |                        | 25.0                | 1.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 25.18                    |                        | 26.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 138       |                       | 24.13                    |                        | 25.0                | 1.0      |  |
| 100                         | QPSK       | 270     | 0         |                       | 24.05                    |                        |                     |          |  |
| 100                         | 16QAM      | 1       | 1         |                       | 23.44                    |                        | 25.0                | 1.0      |  |
| 64QAM                       | 1          | 1       | 1         |                       | 22.03                    |                        | 23.5                | 2.5      |  |
| 256QAM                      | 1          | 1       | 1         |                       | 20.04                    |                        | 21.5                | 4.5      |  |
| Channel                     |            |         |           | 633000                | 633334                   | 633668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3495.350001           | 3500.02                  |                        |                     |          |  |
| 90                          | QPSK       | 1       | 1         | 24.70                 | 24.63                    | 24.65                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 635668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                          | QPSK       | 1       | 1         | 24.59                 | 24.45                    | 24.60                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                          | QPSK       | 1       | 1         | 24.08                 | 24.02                    | 24.62                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3480.00               | 3500.01                  | 3520.02                |                     |          |  |
| 60                          | QPSK       | 1       | 1         | 24.03                 | 24.08                    | 24.58                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3475.00               | 3500.01                  | 3525                   |                     |          |  |
| 50                          | QPSK       | 1       | 1         | 24.57                 | 24.08                    | 24.58                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                          | QPSK       | 1       | 1         | 24.64                 | 24.06                    | 24.66                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3465.000001           | 3525.02                  |                        |                     |          |  |
| 30                          | QPSK       | 1       | 1         | 24.57                 | 24.67                    | 24.58                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 630334                | 633334                   | 635934                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                          | QPSK       | 1       | 1         | 24.02                 | 24.00                    | 24.59                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3460.00               | 3500.01                  | 24.40                  |                     |          |  |
| 20                          | QPSK       | 1       | 1         | 24.64                 | 24.57                    | 24.05                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 630900                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                          | QPSK       | 1       | 1         | 24.00                 | 24.06                    | 24.63                  | 26.0                | 0.0      |  |
| Channel                     |            |         |           | 630534                | 633334                   | 636534                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                          | QPSK       | 1       | 1         | 24.68                 | 24.59                    | 24.66                  | 26.0                | 0.0      |  |

## Reduced Power Mode for DSI 1\_Main PA

### DFT-30

| n5 Ant0 DSI1    |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 166300                   | 167300                      | 167800                    | 24.5                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 834                      | 836.5                       | 839                       |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.59                    | 23.86                       | 23.63                     |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 26        | 23.59                    | 23.81                       | 23.48                     |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 49        | 23.48                    | 23.72                       | 23.61                     | 24.5                   | 0.0         |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.59                    | 23.69                       | 23.48                     |                        |             |  |
| 20              | PI/2 BPSK  | 25      | 13        | 23.43                    | 23.72                       | 23.65                     |                        |             |  |
| 20              | PI/2 BPSK  | 25      | 26        | 23.56                    | 23.89                       | 23.61                     |                        |             |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.64                    | 23.73                       | 23.43                     | 24.5                   | 0.0         |  |
| 20              | QPSK       | 1       | 1         | 23.64                    | 23.93                       | 23.64                     |                        |             |  |
| 20              | QPSK       | 1       | 26        | 23.48                    | 23.92                       | 23.54                     |                        |             |  |
| 20              | QPSK       | 1       | 49        | 23.46                    | 23.82                       | 23.50                     |                        |             |  |
| 20              | QPSK       | 25      | 0         | 23.61                    | 23.71                       | 23.44                     | 24.5                   | 0.0         |  |
| 20              | QPSK       | 25      | 13        | 23.50                    | 23.89                       | 23.56                     |                        |             |  |
| 20              | QPSK       | 25      | 26        | 23.50                    | 23.71                       | 23.61                     |                        |             |  |
| 20              | QPSK       | 50      | 0         | 23.47                    | 23.75                       | 23.52                     |                        |             |  |
| 20              | 16QAM      | 1       | 1         | 23.56                    | 23.79                       | 23.45                     | 23.0                   | 1.5         |  |
| 20              | 64QAM      | 1       | 1         | 22.03                    | 22.31                       | 22.08                     |                        |             |  |
| 20              | 256QAM     | 1       | 1         | 20.08                    | 20.34                       | 20.04                     |                        |             |  |
| 20              | 256QAM     | 1       | 1         | 20.08                    | 20.34                       | 20.04                     |                        |             |  |
| Channel         |            |         |           | 166300                   | 167300                      | 168300                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 831.5                    | 836.5                       | 841.5                     |                        |             |  |
| 15              | QPSK       | 1       | 1         | 23.50                    | 23.78                       | 23.53                     | 24.5                   | 0.0         |  |
| Channel         |            |         |           | 165800                   | 167300                      | 168800                    |                        |             |  |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 10              | QPSK       | 1       | 1         | 23.62                    | 23.88                       | 23.66                     |                        |             |  |

| n7 Ant0 DSI1    |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 18.5                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 1         | 16.94                    | 16.87                       | 16.95                     |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 67        | 16.84                    | 16.95                       | 16.64                     |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 131       | 16.77                    | 16.98                       | 16.82                     | 18.5                   | 0.0         |  |
| 50              | PI/2 BPSK  | 64      | 0         | 16.97                    | 17.05                       | 16.78                     |                        |             |  |
| 50              | PI/2 BPSK  | 64      | 35        | 16.99                    | 16.94                       | 16.78                     |                        |             |  |
| 50              | PI/2 BPSK  | 64      | 69        | 16.78                    | 16.96                       | 16.63                     |                        |             |  |
| 50              | PI/2 BPSK  | 128     | 0         | 16.85                    | 17.04                       | 16.77                     | 18.5                   | 0.0         |  |
| 50              | QPSK       | 1       | 1         | 16.97                    | 17.06                       | 16.84                     |                        |             |  |
| 50              | QPSK       | 1       | 67        | 16.98                    | 16.90                       | 16.86                     |                        |             |  |
| 50              | QPSK       | 1       | 131       | 16.80                    | 16.81                       | 16.80                     |                        |             |  |
| 50              | QPSK       | 64      | 0         | 16.77                    | 17.03                       | 16.77                     | 17.5                   | 1.0         |  |
| 50              | QPSK       | 64      | 35        | 16.81                    | 17.04                       | 16.75                     |                        |             |  |
| 50              | QPSK       | 64      | 69        | 16.94                    | 16.91                       | 16.69                     |                        |             |  |
| 50              | QPSK       | 128     | 0         | 16.82                    | 16.93                       | 16.82                     |                        |             |  |
| 50              | 16QAM      | 1       | 1         | 16.78                    | 16.86                       | 16.75                     | 18.5                   | 0.0         |  |
| 50              | 64QAM      | 1       | 1         | 16.94                    | 17.04                       | 16.76                     |                        |             |  |
| 50              | 256QAM     | 1       | 1         | 16.94                    | 17.01                       | 16.64                     |                        |             |  |
| 50              | 256QAM     | 1       | 1         | 16.94                    | 17.01                       | 16.64                     |                        |             |  |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |  |
| 40              | QPSK       | 1       | 1         | 16.95                    | 17.03                       | 16.64                     | 18.5                   | 0.0         |  |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 30              | QPSK       | 1       | 1         | 16.98                    | 17.02                       | 16.71                     |                        |             |  |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |  |
| 25              | QPSK       | 1       | 1         | 16.76                    | 16.98                       | 16.69                     | 18.5                   | 0.0         |  |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 20              | QPSK       | 1       | 1         | 16.95                    | 16.95                       | 16.76                     |                        |             |  |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |  |
| 15              | QPSK       | 1       | 1         | 16.93                    | 16.95                       | 16.81                     | 18.5                   | 0.0         |  |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 10              | QPSK       | 1       | 1         | 16.83                    | 16.84                       | 16.70                     |                        |             |  |

| n38 Ant0 DSI1   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 516004                | 519000                   | 519996                 | 21.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 19.61                 | 20.08                    | 19.95                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 53        | 19.74                 | 19.95                    | 19.97                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 104       | 19.72                 | 19.90                    | 19.93                  | 21.5                | 0.0      |  |
| 40              | PI/2 BPSK  | 50      | 0         | 19.69                 | 20.03                    | 19.87                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 28        | 19.79                 | 20.06                    | 20.03                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 56        | 19.76                 | 20.09                    | 20.03                  |                     |          |  |
| 40              | PI/2 BPSK  | 100     | 0         | 19.65                 | 19.94                    | 19.86                  | 21.5                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 19.79                 | 20.13                    | 20.00                  |                     |          |  |
| 40              | QPSK       | 1       | 53        | 19.79                 | 20.15                    | 20.02                  |                     |          |  |
| 40              | QPSK       | 1       | 104       | 19.67                 | 19.93                    | 19.90                  |                     |          |  |
| 40              | QPSK       | 50      | 0         | 19.70                 | 20.07                    | 19.84                  | 21.5                | 0.0      |  |
| 40              | QPSK       | 50      | 28        | 19.72                 | 20.10                    | 19.92                  |                     |          |  |
| 40              | QPSK       | 50      | 56        | 19.81                 | 20.08                    | 19.95                  |                     |          |  |
| 40              | QPSK       | 100     | 0         | 19.67                 | 20.10                    | 19.84                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 19.69                 | 20.03                    | 19.93                  | 21.5                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 19.68                 | 19.97                    | 20.00                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.24                 | 18.60                    | 18.58                  |                     |          |  |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | 21.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2635.01               | 2595                     | 2604.99                |                     |          |  |
| 30              | QPSK       | 1       | 1         | 19.59                 | 20.11                    | 19.85                  |                     |          |  |
| Channel         |            |         |           | 516504                | 519000                   | 521496                 | 21.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2592.52               | 2595                     | 2607.48                |                     |          |  |
| 25              | QPSK       | 1       | 1         | 19.71                 | 20.12                    | 19.95                  |                     | 0.0      |  |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 19.68                 | 19.96                    | 19.92                  | 21.5                | 0.0      |  |
| Channel         |            |         |           | 515502                | 519000                   | 522498                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |  |
| 15              | QPSK       | 1       | 1         | 19.67                 | 20.01                    | 19.95                  |                     | 0.0      |  |
| Channel         |            |         |           | 515004                | 519000                   | 522996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |  |
| 10              | QPSK       | 1       | 1         | 19.67                 | 20.07                    | 19.95                  |                     |          |  |

| n41 Ant0 DSI1   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 20.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 1         | 18.76                 | 18.94                    | 19.03                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 137       | 18.91                 | 19.04                    | 19.06                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 271       | 18.83                 | 18.97                    | 19.00                  | 20.5                | 0.0      |  |
| 100             | PI/2 BPSK  | 135     | 0         | 18.79                 | 19.09                    | 18.88                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 69        | 18.81                 | 18.98                    | 18.92                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 138       | 18.92                 | 18.99                    | 19.03                  |                     |          |  |
| 100             | PI/2 BPSK  | 270     | 0         | 18.98                 | 19.17                    | 19.02                  | 20.5                | 0.0      |  |
| 100             | QPSK       | 1       | 1         | 18.99                 | 19.01                    | 18.98                  |                     |          |  |
| 100             | QPSK       | 1       | 137       | 18.98                 | 19.20                    | 19.09                  |                     |          |  |
| 100             | QPSK       | 1       | 271       | 18.95                 | 19.09                    | 19.05                  |                     |          |  |
| 100             | QPSK       | 135     | 0         | 18.78                 | 19.09                    | 19.04                  | 20.5                | 0.0      |  |
| 100             | QPSK       | 135     | 69        | 18.96                 | 19.12                    | 18.94                  |                     |          |  |
| 100             | QPSK       | 135     | 138       | 18.95                 | 19.01                    | 18.96                  |                     |          |  |
| 100             | QPSK       | 270     | 0         | 18.85                 | 19.11                    | 19.10                  |                     |          |  |
| 100             | 16QAM      | 1       | 1         | 18.80                 | 19.01                    | 18.99                  | 20.5                | 0.0      |  |
| 100             | 64QAM      | 1       | 1         | 18.99                 | 19.01                    | 19.09                  |                     |          |  |
| 100             | 256QAM     | 1       | 1         | 18.45                 | 18.75                    | 18.66                  |                     |          |  |
| Channel         |            |         |           | 509200                | 518598                   | 528996                 | 20.0                | 0.5      |  |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |  |
| 90              | QPSK       | 1       | 1         | 18.82                 | 19.12                    | 18.91                  |                     |          |  |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | 20.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2640.99                |                     |          |  |
| 80              | QPSK       | 1       | 1         | 18.96                 | 18.98                    | 19.10                  |                     | 0.0      |  |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |  |
| 70              | QPSK       | 1       | 1         | 18.93                 | 19.08                    | 19.01                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |  |
| 60              | QPSK       | 1       | 1         | 18.84                 | 19.00                    | 19.08                  |                     | 0.0      |  |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |  |
| 50              | QPSK       | 1       | 1         | 18.90                 | 19.12                    | 18.96                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 18.87                 | 19.01                    | 18.96                  |                     | 0.0      |  |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |  |
| 30              | QPSK       | 1       | 1         | 18.94                 | 18.94                    | 18.87                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2670.99                |                     |          |  |
| 20              | QPSK       | 1       | 1         | 18.88                 | 19.04                    | 19.10                  |                     | 0.0      |  |
| Channel         |            |         |           | 500700                | 518598                   | 536996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |  |
| 15              | QPSK       | 1       | 1         | 18.88                 | 19.08                    | 19.07                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 500202                | 518598                   | 537000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 18.99                 | 19.12                    | 19.02                  |                     | 0.0      |  |

| n5 Ant1 Default |            |         |           |                       |                          |                        |                     |                     |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 25.7                | 0.0                 |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |                     |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.01                 | 24.11                    | 24.06                  |                     |                     |  |
| 20              | PI/2 BPSK  | 1       | 26        | 23.89                 | 24.00                    | 23.90                  |                     |                     |  |
| 20              | PI/2 BPSK  | 1       | 49        | 24.00                 | 24.07                    | 23.99                  | 25.2                | 0.5                 |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.58                 | 23.68                    | 23.57                  |                     |                     |  |
| 20              | PI/2 BPSK  | 25      | 13        | 23.91                 | 24.04                    | 23.91                  |                     |                     |  |
| 20              | PI/2 BPSK  | 25      | 26        | 23.72                 | 23.81                    | 23.77                  |                     |                     |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.67                 | 23.71                    | 23.65                  | 25.7                | 0.0                 |  |
| 20              | QPSK       | 1       | 1         | 24.06                 | 24.13                    | 23.99                  |                     |                     |  |
| 20              | QPSK       | 1       | 26        | 23.95                 | 24.06                    | 24.00                  |                     |                     |  |
| 20              | QPSK       | 1       | 49        | 23.96                 | 24.08                    | 24.02                  |                     |                     |  |
| 20              | QPSK       | 25      | 0         | 23.00                 | 23.07                    | 23.00                  | 24.7                | 1.0                 |  |
| 20              | QPSK       | 25      | 13        | 24.04                 | 24.12                    | 24.01                  |                     |                     |  |
| 20              | QPSK       | 25      | 26        | 23.09                 | 23.21                    | 23.12                  |                     |                     |  |
| 20              | QPSK       | 50      | 0         | 23.16                 | 23.20                    | 23.08                  |                     |                     |  |
| 20              | 16QAM      | 1       | 1         | 22.90                 | 22.93                    | 22.81                  | 24.7                | 1.0                 |  |
| 20              | 64QAM      | 1       | 1         | 21.41                 | 21.51                    | 21.39                  |                     |                     |  |
| 20              | 256QAM     | 1       | 1         | 19.69                 | 19.77                    | 19.69                  |                     |                     |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |                     |  |
| 15              | QPSK       | 1       | 1         | 23.96                 | 24.09                    | 23.90                  | 25.7                | 0.0                 |  |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |                     |  |
| 10              | QPSK       | 1       | 1         | 23.93                 | 24.05                    | 23.93                  |                     |                     |  |

| n7 Ant1 DSI1    |            |         |           |                       |                          |                        |                     |                     |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 21.0                | 0.0                 |  |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |                     |  |
| 50              | PI/2 BPSK  | 1       | 1         | 19.77                 | 19.90                    | 19.62                  |                     |                     |  |
| 50              | PI/2 BPSK  | 1       | 67        | 19.84                 | 19.90                    | 19.62                  |                     |                     |  |
| 50              | PI/2 BPSK  | 1       | 131       | 19.82                 | 19.98                    | 19.69                  | 21.0                | 0.0                 |  |
| 50              | PI/2 BPSK  | 64      | 0         | 19.74                 | 19.96                    | 19.80                  |                     |                     |  |
| 50              | PI/2 BPSK  | 64      | 35        | 19.72                 | 19.87                    | 19.82                  |                     |                     |  |
| 50              | PI/2 BPSK  | 64      | 69        | 19.79                 | 19.96                    | 19.61                  |                     |                     |  |
| 50              | PI/2 BPSK  | 128     | 0         | 19.75                 | 20.02                    | 19.74                  | 21.0                | 0.0                 |  |
| 50              | QPSK       | 1       | 1         | 19.88                 | 20.06                    | 19.80                  |                     |                     |  |
| 50              | QPSK       | 1       | 67        | 19.67                 | 20.05                    | 19.69                  |                     |                     |  |
| 50              | QPSK       | 1       | 131       | 19.70                 | 19.90                    | 19.81                  |                     |                     |  |
| 50              | QPSK       | 64      | 0         | 19.87                 | 19.91                    | 19.74                  | 20.0                | 1.0                 |  |
| 50              | QPSK       | 64      | 35        | 19.84                 | 19.94                    | 19.75                  |                     |                     |  |
| 50              | QPSK       | 64      | 69        | 19.86                 | 19.89                    | 19.68                  |                     |                     |  |
| 50              | QPSK       | 128     | 0         | 19.84                 | 20.03                    | 19.77                  |                     |                     |  |
| 50              | 16QAM      | 1       | 1         | 19.80                 | 20.04                    | 19.79                  | 21.0                | 0.0                 |  |
| 50              | 64QAM      | 1       | 1         | 19.69                 | 19.87                    | 19.68                  |                     |                     |  |
| 50              | 256QAM     | 1       | 1         | 19.38                 | 19.62                    | 19.40                  |                     |                     |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |                     |  |
| 40              | QPSK       | 1       | 1         | 19.87                 | 19.85                    | 19.70                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |                     |  |
| 30              | QPSK       | 1       | 1         | 19.69                 | 19.86                    | 19.68                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |                     |  |
| 25              | QPSK       | 1       | 1         | 19.79                 | 19.90                    | 19.65                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |                     |  |
| 20              | QPSK       | 1       | 1         | 19.66                 | 20.06                    | 19.80                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |                     |  |
| 15              | QPSK       | 1       | 1         | 19.88                 | 20.03                    | 19.70                  | 21.0                | 0.0                 |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |                     |  |
| 10              | QPSK       | 1       | 1         | 19.87                 | 20.02                    | 19.82                  |                     |                     |  |

| n38 Ant1 DSI1   |            |         |           |                      |                         |                       |                     |          |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 518004               | 519000                  | 519996                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2590.02              | 2595                    | 2599.98               |                     |          |
| 40              | PI/2 BPSK  | 1       | 1         | 20.14                | 20.34                   | 20.26                 |                     |          |
| 40              | PI/2 BPSK  | 1       | 53        | 20.23                | 20.28                   | 20.27                 |                     |          |
| 40              | PI/2 BPSK  | 1       | 104       | 20.15                | 20.27                   | 20.11                 | 21.5                | 0.0      |
| 40              | PI/2 BPSK  | 50      | 0         | 20.36                | 20.30                   | 20.18                 |                     |          |
| 40              | PI/2 BPSK  | 50      | 28        | 20.31                | 20.22                   | 20.20                 |                     |          |
| 40              | PI/2 BPSK  | 50      | 56        | 20.23                | 20.27                   | 20.12                 |                     |          |
| 40              | PI/2 BPSK  | 100     | 0         | 20.33                | 20.38                   | 20.14                 | 21.5                | 0.0      |
| 40              | QPSK       | 1       | 1         | 20.24                | 20.19                   | 20.03                 |                     |          |
| 40              | QPSK       | 1       | 53        | 20.35                | 20.40                   | 20.25                 |                     |          |
| 40              | QPSK       | 1       | 104       | 20.22                | 20.29                   | 20.23                 |                     |          |
| 40              | QPSK       | 50      | 0         | 20.16                | 20.30                   | 20.25                 | 21.5                | 0.0      |
| 40              | QPSK       | 50      | 28        | 20.33                | 20.35                   | 20.17                 |                     |          |
| 40              | QPSK       | 50      | 56        | 20.14                | 20.20                   | 20.23                 |                     |          |
| 40              | QPSK       | 100     | 0         | 20.36                | 20.37                   | 20.11                 |                     |          |
| 40              | 16QAM      | 1       | 1         | 20.21                | 20.23                   | 20.09                 | 21.5                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 20.20                | 20.36                   | 20.03                 |                     |          |
| 40              | 256QAM     | 1       | 1         | 19.80                | 19.86                   | 19.75                 |                     |          |
| Channel         |            |         |           | 517002               | 519000                  | 520998                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2595.01              | 2595                    | 2604.99               |                     |          |
| 30              | QPSK       | 1       | 1         | 20.19                | 20.24                   | 20.26                 |                     |          |
| Channel         |            |         |           | 516504               | 519000                  | 521496                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2582.52              | 2595                    | 2607.48               |                     |          |
| 25              | QPSK       | 1       | 1         | 20.26                | 20.38                   | 20.26                 |                     |          |
| Channel         |            |         |           | 516000               | 519000                  | 522000                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2580                 | 2595                    | 2610                  |                     |          |
| 20              | QPSK       | 1       | 1         | 20.34                | 20.39                   | 20.26                 |                     |          |
| Channel         |            |         |           | 515502               | 519000                  | 522498                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2577.51              | 2595                    | 2612.49               |                     |          |
| 15              | QPSK       | 1       | 1         | 20.27                | 20.32                   | 20.06                 |                     |          |
| Channel         |            |         |           | 515004               | 519000                  | 522996                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2575.02              | 2595                    | 2614.98               |                     |          |
| 10              | QPSK       | 1       | 1         | 20.16                | 20.37                   | 20.21                 |                     |          |

| n41 Ant1 DSI1   |            |         |           |                      |                         |                       |                     |          |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 509202               | 518598                  | 528000                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2546.01              | 2592.99                 | 2640                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 20.26                | 20.43                   | 20.34                 |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 20.52                | 20.35                   | 20.25                 |                     |          |
| 100             | PI/2 BPSK  | 1       | 271       | 20.33                | 20.46                   | 20.11                 | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 0         | 20.49                | 20.36                   | 20.20                 |                     |          |
| 100             | PI/2 BPSK  | 135     | 69        | 20.45                | 20.46                   | 20.46                 |                     |          |
| 100             | PI/2 BPSK  | 135     | 138       | 20.35                | 20.46                   | 20.35                 |                     |          |
| 100             | PI/2 BPSK  | 270     | 0         | 20.47                | 20.51                   | 20.25                 | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.29                | 20.33                   | 20.18                 |                     |          |
| 100             | QPSK       | 1       | 137       | 20.28                | 20.54                   | 20.20                 |                     |          |
| 100             | QPSK       | 1       | 271       | 20.38                | 20.36                   | 20.31                 |                     |          |
| 100             | QPSK       | 135     | 0         | 20.42                | 20.29                   | 20.17                 | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.40                | 20.45                   | 20.15                 |                     |          |
| 100             | QPSK       | 135     | 138       | 20.20                | 20.43                   | 20.25                 |                     |          |
| 100             | QPSK       | 270     | 0         | 20.30                | 20.34                   | 20.29                 |                     |          |
| 100             | 16QAM      | 1       | 1         | 20.32                | 20.41                   | 20.10                 | 21.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.24                | 20.51                   | 20.37                 |                     |          |
| 100             | 256QAM     | 1       | 1         | 19.86                | 20.10                   | 19.80                 |                     |          |
| Channel         |            |         |           | 508600               | 518598                  | 528998                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2541                 | 2592.99                 | 2644.98               |                     |          |
| 90              | QPSK       | 1       | 1         | 20.21                | 20.34                   | 20.19                 |                     |          |
| Channel         |            |         |           | 507204               | 518598                  | 529998                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2536.02              | 2592.99                 | 2649.99               |                     |          |
| 80              | QPSK       | 1       | 1         | 20.12                | 20.34                   | 20.16                 |                     |          |
| Channel         |            |         |           | 506802               | 518598                  | 531000                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2531.01              | 2592.99                 | 2655                  |                     |          |
| 70              | QPSK       | 1       | 1         | 20.20                | 20.50                   | 20.20                 |                     |          |
| Channel         |            |         |           | 505200               | 518598                  | 531996                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2526                 | 2592.99                 | 2659.98               |                     |          |
| 60              | QPSK       | 1       | 1         | 20.21                | 20.48                   | 20.09                 |                     |          |
| Channel         |            |         |           | 504204               | 518598                  | 532998                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2521.02              | 2592.99                 | 2664.99               |                     |          |
| 50              | QPSK       | 1       | 1         | 20.26                | 20.52                   | 20.08                 |                     |          |
| Channel         |            |         |           | 503202               | 518598                  | 534000                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2516.01              | 2592.99                 | 2670                  |                     |          |
| 40              | QPSK       | 1       | 1         | 20.20                | 20.33                   | 20.13                 |                     |          |
| Channel         |            |         |           | 502200               | 518598                  | 534996                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2511                 | 2592.99                 | 2674.98               |                     |          |
| 30              | QPSK       | 1       | 1         | 20.17                | 20.53                   | 20.08                 |                     |          |
| Channel         |            |         |           | 501204               | 518598                  | 535998                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2506.02              | 2592.99                 | 2679.99               |                     |          |
| 20              | QPSK       | 1       | 1         | 20.14                | 20.49                   | 20.15                 |                     |          |
| Channel         |            |         |           | 500700               | 518598                  | 536998                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2503.5               | 2592.99                 | 2682.48               |                     |          |
| 15              | QPSK       | 1       | 1         | 20.30                | 20.35                   | 20.02                 |                     |          |
| Channel         |            |         |           | 500202               | 518598                  | 537000                | 21.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2501.01              | 2592.99                 | 2685                  |                     |          |
| 10              | QPSK       | 1       | 1         | 20.13                | 20.50                   | 20.17                 |                     |          |

| n7 Ant2 DSI1    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 19.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 17.51                 | 17.60                    | 17.31                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 67        | 17.51                 | 17.70                    | 17.46                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 131       | 17.56                 | 17.70                    | 17.33                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 17.53                 | 17.67                    | 17.34                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 35        | 17.57                 | 17.65                    | 17.43                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 17.57                 | 17.69                    | 17.30                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 128     | 0         | 17.55                 | 17.64                    | 17.44                  | 19.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 17.61                 | 17.80                    | 17.51                  |                     |          |
| 50              | QPSK       | 1       | 67        | 17.49                 | 17.60                    | 17.40                  |                     |          |
| 50              | QPSK       | 1       | 131       | 17.46                 | 17.63                    | 17.39                  | 18.0                | 1.0      |
| 50              | QPSK       | 64      | 0         | 17.56                 | 17.76                    | 17.51                  |                     |          |
| 50              | QPSK       | 64      | 35        | 17.58                 | 17.75                    | 17.51                  |                     |          |
| 50              | QPSK       | 64      | 69        | 17.62                 | 17.72                    | 17.47                  | 18.0                | 1.0      |
| 50              | QPSK       | 128     | 0         | 17.51                 | 17.62                    | 17.40                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 17.45                 | 17.68                    | 17.36                  | 19.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         | 17.44                 | 17.58                    | 17.33                  | 19.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         | 17.45                 | 17.70                    | 17.41                  | 19.0                | 0.0      |
| Channel         |            |         |           | 508000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   | 19.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 17.52                 | 17.65                    | 17.40                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 19.0                | 0.0      |
| 30              | QPSK       | 1       | 1         | 17.41                 | 17.76                    | 17.47                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 19.0                | 0.0      |
| 25              | QPSK       | 1       | 1         | 17.57                 | 17.69                    | 17.37                  |                     |          |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 19.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 17.40                 | 17.66                    | 17.53                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 19.0                | 0.0      |
| 15              | QPSK       | 1       | 1         | 17.49                 | 17.63                    | 17.53                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 19.0                | 0.0      |
| 10              | QPSK       | 1       | 1         | 17.52                 | 17.67                    | 17.50                  |                     |          |

| n38 Ant2 DSI1   |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 518004                   | 519000                      | 519996                    | 20.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2690.02                  | 2595                        | 2599.98                   |                        |             |
| 40              | PI/2 BPSK  | 1       | 1         | 18.27                    | 18.15                       | 18.16                     |                        |             |
| 40              | PI/2 BPSK  | 1       | 53        | 18.20                    | 18.26                       | 18.16                     |                        |             |
| 40              | PI/2 BPSK  | 1       | 104       | 18.15                    | 18.20                       | 18.27                     | 20.0                   | 0.0         |
| 40              | PI/2 BPSK  | 50      | 0         | 18.18                    | 18.13                       | 18.22                     |                        |             |
| 40              | PI/2 BPSK  | 50      | 28        | 18.24                    | 18.28                       | 18.20                     |                        |             |
| 40              | PI/2 BPSK  | 50      | 56        | 18.22                    | 18.11                       | 18.11                     |                        |             |
| 40              | PI/2 BPSK  | 100     | 0         | 18.15                    | 18.30                       | 18.19                     | 20.0                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 18.20                    | 18.18                       | 18.06                     |                        |             |
| 40              | QPSK       | 1       | 53        | 18.08                    | 18.33                       | 18.12                     |                        |             |
| 40              | QPSK       | 1       | 104       | 18.03                    | 18.29                       | 18.12                     |                        |             |
| 40              | QPSK       | 50      | 0         | 18.01                    | 18.24                       | 18.27                     | 20.0                   | 0.0         |
| 40              | QPSK       | 50      | 28        | 18.29                    | 18.30                       | 18.13                     |                        |             |
| 40              | QPSK       | 50      | 56        | 18.25                    | 18.20                       | 18.16                     |                        |             |
| 40              | QPSK       | 100     | 0         | 18.19                    | 18.29                       | 18.13                     |                        |             |
| 40              | 16QAM      | 1       | 1         | 18.09                    | 18.29                       | 18.13                     | 20.0                   | 0.0         |
| 40              | 64QAM      | 1       | 1         | 18.07                    | 18.25                       | 18.27                     |                        |             |
| 40              | 256QAM     | 1       | 1         | 18.04                    | 18.10                       | 18.06                     |                        |             |
| Channel         |            |         |           | 517002                   | 519000                      | 520998                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2688.01                  | 2595                        | 2604.99                   | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 18.07                    | 18.08                       | 18.18                     | 20.0                   | 0.0         |
| Channel         |            |         |           | 516504                   | 519000                      | 521496                    |                        |             |
| Frequency (MHz) |            |         |           | 2682.52                  | 2595                        | 2607.48                   |                        |             |
| 25              | QPSK       | 1       | 1         | 18.07                    | 18.23                       | 18.03                     |                        |             |
| Channel         |            |         |           | 516000                   | 519000                      | 522000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 18.23                    | 18.29                       | 18.04                     | 20.0                   | 0.0         |
| Channel         |            |         |           | 515502                   | 519000                      | 522498                    |                        |             |
| Frequency (MHz) |            |         |           | 2577.51                  | 2595                        | 2612.49                   |                        |             |
| 15              | QPSK       | 1       | 1         | 18.04                    | 18.30                       | 18.18                     |                        |             |
| Channel         |            |         |           | 515004                   | 519000                      | 522996                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2575.02                  | 2595                        | 2614.98                   | (dBm)                  | (dB)        |
| 10              | QPSK       | 1       | 1         | 18.19                    | 18.27                       | 18.08                     | 20.0                   | 0.0         |

| n41 Ant2 DSI1   |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 509202                   | 518598                      | 528000                    | 19.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2546.01                  | 2592.99                     | 2640                      |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         | 18.13                    | 18.19                       | 17.93                     |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       | 18.23                    | 18.41                       | 17.89                     |                        |             |
| 100             | PI/2 BPSK  | 1       | 271       | 18.06                    | 18.28                       | 18.06                     | 19.5                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 0         | 18.16                    | 18.26                       | 17.91                     |                        |             |
| 100             | PI/2 BPSK  | 135     | 69        | 18.09                    | 18.39                       | 17.98                     |                        |             |
| 100             | PI/2 BPSK  | 135     | 138       | 18.09                    | 18.23                       | 17.90                     |                        |             |
| 100             | PI/2 BPSK  | 270     | 0         | 18.05                    | 18.33                       | 18.07                     | 19.5                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 18.05                    | 18.33                       | 17.96                     |                        |             |
| 100             | QPSK       | 1       | 137       | 18.22                    | 18.44                       | 18.07                     |                        |             |
| 100             | QPSK       | 1       | 271       | 18.01                    | 18.23                       | 17.86                     |                        |             |
| 100             | QPSK       | 135     | 0         | 18.07                    | 18.35                       | 18.08                     | 19.5                   | 0.0         |
| 100             | QPSK       | 135     | 69        | 18.19                    | 18.42                       | 17.94                     |                        |             |
| 100             | QPSK       | 135     | 138       | 18.09                    | 18.34                       | 17.87                     |                        |             |
| 100             | QPSK       | 270     | 0         | 18.01                    | 18.38                       | 17.91                     |                        |             |
| 100             | 16QAM      | 1       | 1         | 18.10                    | 18.32                       | 18.01                     | 19.5                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 18.04                    | 18.38                       | 17.99                     |                        |             |
| 100             | 256QAM     | 1       | 1         | 18.17                    | 18.22                       | 18.04                     |                        |             |
| Channel         |            |         |           | 509200                   | 518598                      | 528000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.88                   | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 18.24                    | 18.29                       | 18.03                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 507204                   | 518598                      | 529998                    |                        |             |
| Frequency (MHz) |            |         |           | 2636.02                  | 2592.99                     | 2649.99                   |                        |             |
| 80              | QPSK       | 1       | 1         | 18.23                    | 18.20                       | 18.09                     |                        |             |
| Channel         |            |         |           | 506202                   | 518598                      | 531000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2531.01                  | 2592.99                     | 2655                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 18.09                    | 18.39                       | 18.02                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    |                        |             |
| Frequency (MHz) |            |         |           | 2526                     | 2592.99                     | 2659.98                   |                        |             |
| 60              | QPSK       | 1       | 1         | 18.05                    | 18.35                       | 17.93                     |                        |             |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 18.06                    | 18.24                       | 17.99                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 503202                   | 518598                      | 534000                    |                        |             |
| Frequency (MHz) |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        |             |
| 40              | QPSK       | 1       | 1         | 18.08                    | 18.40                       | 18.04                     |                        |             |
| Channel         |            |         |           | 502200                   | 518598                      | 534996                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.88                   | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 18.02                    | 18.41                       | 17.88                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 501204                   | 518598                      | 535998                    |                        |             |
| Frequency (MHz) |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        |             |
| 20              | QPSK       | 1       | 1         | 18.07                    | 18.25                       | 17.93                     |                        |             |
| Channel         |            |         |           | 500200                   | 518598                      | 536996                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2503.5                   | 2592.99                     | 2682.48                   | (dBm)                  | (dB)        |
| 15              | QPSK       | 1       | 1         | 18.15                    | 18.34                       | 17.85                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 500202                   | 518598                      | 537000                    |                        |             |
| Frequency (MHz) |            |         |           | 2501.01                  | 2592.99                     | 2685                      |                        |             |
| 10              | QPSK       | 1       | 1         | 18.01                    | 18.36                       | 18.04                     |                        |             |

| Par270 n77 Ant2 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 | 17.0                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 15.63                 | 15.94                    | 15.78                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 15.73                 | 15.93                    | 15.90                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 15.54                 | 15.54                    | 15.80                  | 17.0                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 15.72                 | 15.94                    | 15.73                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 15.80                 | 15.82                    | 15.74                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 15.66                 | 15.51                    | 15.67                  |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 15.65                 | 15.85                    | 15.88                  | 17.0                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 15.74                 | 15.79                    | 15.85                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 15.64                 | 15.95                    | 15.93                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 15.57                 | 15.90                    | 15.85                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 15.74                 | 15.76                    | 15.71                  | 17.0                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 15.58                 | 15.86                    | 15.75                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 15.76                 | 15.55                    | 15.65                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 15.57                 | 15.76                    | 15.67                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 15.71                 | 15.85                    | 15.80                  | 17.0                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 15.73                 | 15.90                    | 15.93                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 15.61                 | 15.98                    | 15.83                  |                     |          |  |
| Channel              |            |         |           | 649668                | 656000                   | 662334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                | 17.0                | 0.0      |  |
| 90                   | QPSK       | 1       | 1         | 15.53                 | 15.95                    | 15.92                  |                     |          |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                | 17.0                | 0.0      |  |
| 80                   | QPSK       | 1       | 1         | 15.65                 | 15.95                    | 15.90                  |                     |          |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   | 17.0                | 0.0      |  |
| 70                   | QPSK       | 1       | 1         | 15.68                 | 15.90                    | 15.99                  |                     |          |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                | 17.0                | 0.0      |  |
| 60                   | QPSK       | 1       | 1         | 15.71                 | 15.84                    | 15.82                  |                     |          |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                | 17.0                | 0.0      |  |
| 50                   | QPSK       | 1       | 1         | 15.70                 | 16.01                    | 15.93                  |                     |          |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   | 17.0                | 0.0      |  |
| 40                   | QPSK       | 1       | 1         | 15.58                 | 15.96                    | 15.93                  |                     |          |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                | 17.0                | 0.0      |  |
| 30                   | QPSK       | 1       | 1         | 15.61                 | 15.81                    | 15.80                  |                     |          |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 | 17.0                | 0.0      |  |
| 25                   | QPSK       | 1       | 1         | 15.55                 | 15.82                    | 15.81                  |                     |          |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                | 17.0                | 0.0      |  |
| 20                   | QPSK       | 1       | 1         | 15.59                 | 16.01                    | 15.90                  |                     |          |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                | 17.0                | 0.0      |  |
| 15                   | QPSK       | 1       | 1         | 15.71                 | 15.87                    | 15.76                  |                     |          |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   | 17.0                | 0.0      |  |
| 10                   | QPSK       | 1       | 1         | 15.66                 | 15.94                    | 15.84                  |                     |          |  |

| Part27Q n77 Ant2 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                       |                          | 633334                 | 17.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                       |                          | 3500.01                |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                       |                          | 16.39                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                       |                          | 16.25                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                       |                          | 16.45                  | 17.0                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                       |                          | 16.32                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                       |                          | 16.35                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                       |                          | 16.31                  |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                       |                          | 16.12                  | 17.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                       |                          | 16.33                  |                     |          |  |
| 100                   | QPSK       | 1       | 137       |                       |                          | 16.50                  |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       |                          | 16.42                  | 17.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 0         |                       |                          | 16.46                  |                     |          |  |
| 100                   | QPSK       | 135     | 69        |                       |                          | 16.47                  |                     |          |  |
| 100                   | QPSK       | 135     | 138       |                       |                          | 16.26                  | 17.0                | 0.0      |  |
| 100                   | QPSK       | 270     | 0         |                       |                          | 16.20                  |                     |          |  |
| 100                   | 16QAM      | 1       | 1         |                       |                          | 16.33                  |                     |          |  |
| 100                   | 64QAM      | 1       | 1         |                       |                          | 16.49                  | 17.0                | 0.0      |  |
| 100                   | 256QAM     | 1       | 1         |                       |                          | 16.40                  |                     |          |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                | 16.0                | 0.0      |  |
| 90                    | QPSK       | 1       | 1         | 16.43                 | 16.37                    | 16.44                  |                     |          |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   | 16.0                | 0.0      |  |
| 80                    | QPSK       | 1       | 1         | 16.39                 | 16.44                    | 16.32                  |                     |          |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 16.0                | 0.0      |  |
| 70                    | QPSK       | 1       | 1         | 16.30                 | 16.45                    | 16.38                  |                     |          |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                | 16.0                | 0.0      |  |
| 60                    | QPSK       | 1       | 1         | 16.44                 | 16.41                    | 16.45                  |                     |          |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   | 16.0                | 0.0      |  |
| 50                    | QPSK       | 1       | 1         | 16.45                 | 16.45                    | 16.40                  |                     |          |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 16.0                | 0.0      |  |
| 40                    | QPSK       | 1       | 1         | 16.42                 | 16.33                    | 16.30                  |                     |          |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                | 16.0                | 0.0      |  |
| 30                    | QPSK       | 1       | 1         | 16.30                 | 16.41                    | 16.36                  |                     |          |  |
| Channel               |            |         |           | 630634                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                | 16.0                | 0.0      |  |
| 25                    | QPSK       | 1       | 1         | 16.39                 | 16.43                    | 16.41                  |                     |          |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   | 16.0                | 0.0      |  |
| 20                    | QPSK       | 1       | 1         | 16.45                 | 16.32                    | 16.43                  |                     |          |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 16.0                | 0.0      |  |
| 15                    | QPSK       | 1       | 1         | 16.44                 | 16.32                    | 16.34                  |                     |          |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 16.0                | 0.0      |  |
| 10                    | QPSK       | 1       | 1         | 16.40                 | 16.42                    | 16.43                  |                     |          |  |

| Part270 n78 PC2/3 Ant2 DSI1 |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 17.0                | 0.0      |     |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 16.12                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 16.25                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 16.23                    |                        | 17.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 16.25                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 16.20                    |                        | 17.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 16.21                    |                        | 17.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 16.20                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 16.07                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 137       |                       | 16.30                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 16.04                    |                        |                     | 17.0     |     |
| 100                         | QPSK       | 135     | 0         |                       | 16.20                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 69        |                       | 16.21                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 138       |                       | 16.16                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 16.26                    |                        |                     |          |     |
| 100                         | 16QAM      | 1       | 1         |                       | 16.18                    |                        | 17.0                | 0.0      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 16.23                    |                        | 17.0                | 0.0      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 16.18                    |                        | 17.0                | 0.0      |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                | 17.0                | 0.0      |     |
| 90                          | QPSK       | 1       | 1         |                       | 15.91                    | 16.03                  | 16.04               | 17.0     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                | 17.0                | 0.0      |     |
| 80                          | QPSK       | 1       | 1         |                       | 16.00                    | 15.97                  | 16.00               | 17.0     | 0.0 |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   | 17.0                | 0.0      |     |
| 70                          | QPSK       | 1       | 1         |                       | 16.00                    | 15.89                  | 15.99               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                | 17.0                | 0.0      |     |
| 60                          | QPSK       | 1       | 1         |                       | 15.94                    | 15.89                  | 15.97               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                | 17.0                | 0.0      |     |
| 50                          | QPSK       | 1       | 1         |                       | 15.94                    | 15.95                  | 16.02               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   | 17.0                | 0.0      |     |
| 40                          | QPSK       | 1       | 1         |                       | 15.92                    | 15.98                  | 15.96               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                | 17.0                | 0.0      |     |
| 30                          | QPSK       | 1       | 1         |                       | 15.98                    | 15.93                  | 15.90               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 | 17.0                | 0.0      |     |
| 25                          | QPSK       | 1       | 1         |                       | 15.89                    | 16.07                  | 16.05               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                | 17.0                | 0.0      |     |
| 20                          | QPSK       | 1       | 1         |                       | 15.95                    | 15.87                  | 16.02               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                | 17.0                | 0.0      |     |
| 15                          | QPSK       | 1       | 1         |                       | 15.86                    | 15.98                  | 15.85               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   | 17.0                | 0.0      |     |
| 10                          | QPSK       | 1       | 1         |                       | 15.89                    | 15.99                  | 15.98               | 17.0     | 0.0 |

| Part27Q 78 PC2/3 Ant2 DSI1 |            |         |           |                       |                          |                        |                     |          |     |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                    |            |         |           |                       | 633334                   |                        | 17.0                | 0.0      |     |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 16.32                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 16.40                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 16.44                    |                        | 17.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 16.33                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 16.29                    |                        | 17.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 16.31                    |                        | 17.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 16.23                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 1         |                       | 16.45                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 137       |                       | 16.46                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 271       |                       | 16.27                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 0         |                       | 16.41                    |                        |                     | 17.0     |     |
| 100                        | QPSK       | 135     | 69        |                       | 16.43                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 138       |                       | 16.29                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 270     | 0         |                       | 16.43                    |                        |                     |          |     |
| 100                        | 16QAM      | 1       | 1         |                       | 16.29                    |                        | 17.0                | 0.0      |     |
| 100                        | 64QAM      | 1       | 1         |                       | 16.40                    |                        | 17.0                | 0.0      |     |
| 100                        | 256QAM     | 1       | 1         |                       | 16.41                    |                        | 17.0                | 0.0      |     |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                | 17.0                | 0.0      |     |
| 90                         | QPSK       | 1       | 1         |                       | 16.29                    | 16.36                  | 16.26               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   | 17.0                | 0.0      |     |
| 80                         | QPSK       | 1       | 1         |                       | 16.24                    | 16.20                  | 16.21               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 17.0                | 0.0      |     |
| 70                         | QPSK       | 1       | 1         |                       | 16.22                    | 16.34                  | 16.31               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                | 17.0                | 0.0      |     |
| 60                         | QPSK       | 1       | 1         |                       | 16.28                    | 16.27                  | 16.31               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   | 17.0                | 0.0      |     |
| 50                         | QPSK       | 1       | 1         |                       | 16.19                    | 16.12                  | 16.13               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 17.0                | 0.0      |     |
| 40                         | QPSK       | 1       | 1         |                       | 16.27                    | 16.27                  | 16.35               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                | 17.0                | 0.0      |     |
| 30                         | QPSK       | 1       | 1         |                       | 16.20                    | 16.31                  | 16.19               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                | 17.0                | 0.0      |     |
| 25                         | QPSK       | 1       | 1         |                       | 16.34                    | 16.20                  | 16.29               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   | 17.0                | 0.0      |     |
| 20                         | QPSK       | 1       | 1         |                       | 16.32                    | 16.14                  | 16.24               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 17.0                | 0.0      |     |
| 15                         | QPSK       | 1       | 1         |                       | 16.32                    | 16.32                  | 16.34               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 17.0                | 0.0      |     |
| 10                         | QPSK       | 1       | 1         |                       | 16.25                    | 16.29                  | 16.14               | 17.0     | 0.0 |

| Par270 n77 Ant4 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 650000                   | 662000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 19.47                 | 19.51                    | 19.35                  | 19.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 19.31                 | 19.57                    | 19.43                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 19.46                 | 19.56                    | 19.51                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 19.36                 | 19.40                    | 19.38                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 19.48                 | 19.38                    | 19.51                  | 19.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 19.34                 | 19.42                    | 19.30                  | 19.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 19.33                 | 19.43                    | 19.48                  |                     |          |  |
| 100                  | QPSK       | 1       | 1         | 19.35                 | 19.55                    | 19.31                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 19.48                 | 19.66                    | 19.52                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 19.29                 | 19.57                    | 19.46                  | 19.7                | 0.0      |  |
| 100                  | QPSK       | 135     | 0         | 19.33                 | 19.48                    | 19.46                  |                     |          |  |
| 100                  | QPSK       | 135     | 69        | 19.50                 | 19.61                    | 19.52                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 19.27                 | 19.60                    | 19.43                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 19.39                 | 19.45                    | 19.41                  | 19.7                | 0.0      |  |
| 100                  | 16QAM      | 1       | 1         | 19.43                 | 19.45                    | 19.36                  | 19.7                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 19.35                 | 19.57                    | 19.35                  | 19.7                | 0.0      |  |
| 100                  | 256QAM     | 1       | 1         | 19.27                 | 19.49                    | 19.32                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 649668                | 650000                   | 662334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |          |  |
| 90                   | QPSK       | 1       | 1         | 19.40                 | 19.51                    | 19.52                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 649334                | 650000                   | 662668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 19.34                 | 19.49                    | 19.48                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 649000                | 650000                   | 663000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   |                     |          |  |
| 70                   | QPSK       | 1       | 1         | 19.30                 | 19.59                    | 19.39                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 648668                | 650000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 19.36                 | 19.45                    | 19.54                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 648334                | 650000                   | 663668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |
| 50                   | QPSK       | 1       | 1         | 19.40                 | 19.45                    | 19.31                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 648000                | 650000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 19.27                 | 19.43                    | 19.34                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 647668                | 650000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                   | QPSK       | 1       | 1         | 19.49                 | 19.57                    | 19.51                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 647500                | 650000                   | 664500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 19.43                 | 19.57                    | 19.45                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 647234                | 650000                   | 664668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                   | QPSK       | 1       | 1         | 19.48                 | 19.40                    | 19.30                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 647168                | 650000                   | 664834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 19.26                 | 19.48                    | 19.49                  | 19.7                | 0.0      |  |
| Channel              |            |         |           | 647000                | 650000                   | 665000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |
| 10                   | QPSK       | 1       | 1         | 19.47                 | 19.60                    | 19.38                  | 19.7                | 0.0      |  |

| Part27Q n77 Ant4 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                       | 633334                   |                        | 19.7                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                       | 19.57                    |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                       | 19.50                    |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                       | 19.44                    |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                       | 19.56                    |                        | 19.7                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                       | 19.46                    |                        | 19.7                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                       | 19.51                    |                        | 19.7                | 0.0      |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                       | 19.48                    |                        |                     |          |  |
| 100                   | QPSK       | 1       | 1         |                       | 19.57                    |                        | 19.7                | 0.0      |  |
| 100                   | QPSK       | 1       | 137       |                       | 19.63                    |                        |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       | 19.60                    |                        |                     |          |  |
| 100                   | QPSK       | 135     | 0         |                       | 19.53                    |                        |                     |          |  |
| 100                   | QPSK       | 135     | 69        |                       | 19.55                    |                        | 19.7                | 0.0      |  |
| 100                   | QPSK       | 135     | 138       |                       | 19.43                    |                        | 19.7                | 0.0      |  |
| 100                   | QPSK       | 270     | 0         |                       | 19.43                    |                        |                     |          |  |
| 100                   | 16QAM      | 1       | 1         |                       | 19.62                    |                        | 19.7                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         |                       | 19.42                    |                        | 19.7                | 0.0      |  |
| 100                   | 256QAM     | 1       | 1         |                       | 19.47                    |                        | 19.7                | 0.0      |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                    | QPSK       | 1       | 1         | 19.35                 | 19.22                    | 19.29                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 19.21                 | 19.43                    | 19.19                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                    | QPSK       | 1       | 1         | 19.37                 | 19.42                    | 19.35                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 19.37                 | 19.38                    | 19.37                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                    | QPSK       | 1       | 1         | 19.40                 | 19.42                    | 19.23                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 19.32                 | 19.39                    | 19.22                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                    | QPSK       | 1       | 1         | 19.38                 | 19.38                    | 19.25                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 19.39                 | 19.33                    | 19.42                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                    | QPSK       | 1       | 1         | 19.33                 | 19.28                    | 19.40                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 19.42                 | 19.19                    | 19.27                  | 19.7                | 0.0      |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                    | QPSK       | 1       | 1         | 19.37                 | 19.31                    | 19.31                  | 19.7                | 0.0      |  |

| Part270 n78 PC2/3 Ant4 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 20.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 19.47                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 19.61                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 19.55                    |                        | 20.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 19.42                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 19.48                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 19.46                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 19.60                    |                        | 20.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 1         |                       | 19.59                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 137       |                       | 19.63                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 271       |                       | 19.54                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 19.48                    |                        | 20.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 19.50                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 138       |                       | 19.49                    |                        |                     |          |  |
| 100                         | QPSK       | 270     | 0         |                       | 19.56                    |                        |                     |          |  |
| 100                         | 16QAM      | 1       | 1         |                       | 19.47                    |                        | 20.0                | 0.0      |  |
| 100                         | 64QAM      | 1       | 1         |                       | 19.48                    |                        |                     |          |  |
| 100                         | 256QAM     | 1       | 1         |                       | 19.47                    |                        |                     |          |  |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                          | QPSK       | 1       | 1         |                       | 19.35                    | 19.41                  | 19.44               | 20.0     |  |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                          | QPSK       | 1       | 1         |                       | 19.43                    | 19.54                  | 19.44               | 20.0     |  |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                          | QPSK       | 1       | 1         |                       | 19.37                    | 19.33                  | 19.41               | 20.0     |  |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                          | QPSK       | 1       | 1         |                       | 19.36                    | 19.51                  | 19.36               | 20.0     |  |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                          | QPSK       | 1       | 1         |                       | 19.35                    | 19.41                  | 19.32               | 20.0     |  |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                          | QPSK       | 1       | 1         |                       | 19.50                    | 19.53                  | 19.51               | 20.0     |  |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                          | QPSK       | 1       | 1         |                       | 19.43                    | 19.54                  | 19.49               | 20.0     |  |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                          | QPSK       | 1       | 1         |                       | 19.47                    | 19.52                  | 19.50               | 20.0     |  |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                          | QPSK       | 1       | 1         |                       | 19.54                    | 19.39                  | 19.41               | 20.0     |  |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                          | QPSK       | 1       | 1         |                       | 19.35                    | 19.48                  | 19.31               | 20.0     |  |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                          | QPSK       | 1       | 1         |                       | 19.34                    | 19.40                  | 19.33               | 20.0     |  |

| Part27Q 78 PC2/3 Ant4 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       | 633334                   |                        | 20.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 19.66                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 19.68                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 19.60                    |                        | 20.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 19.70                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 19.71                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 19.53                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 19.73                    |                        | 20.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         |                       | 19.53                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 137       |                       | 19.74                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 271       |                       | 19.67                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 0         |                       | 19.70                    |                        | 20.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        |                       | 19.72                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 138       |                       | 19.56                    |                        |                     |          |  |
| 100                        | QPSK       | 270     | 0         |                       | 19.70                    |                        |                     |          |  |
| 100                        | 16QAM      | 1       | 1         |                       | 19.66                    |                        | 20.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         |                       | 19.55                    |                        |                     |          |  |
| 100                        | 256QAM     | 1       | 1         |                       | 19.68                    |                        |                     |          |  |
| Channel                    |            |         |           | 633900                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                         | QPSK       | 1       | 1         |                       | 19.62                    | 19.50                  | 19.67               | 20.0     |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                         | QPSK       | 1       | 1         |                       | 19.63                    | 19.48                  | 19.55               | 20.0     |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                         | QPSK       | 1       | 1         |                       | 19.50                    | 19.46                  | 19.43               | 20.0     |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                         | QPSK       | 1       | 1         |                       | 19.49                    | 19.44                  | 19.56               | 20.0     |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                         | QPSK       | 1       | 1         |                       | 19.53                    | 19.47                  | 19.58               | 20.0     |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                         | QPSK       | 1       | 1         |                       | 19.53                    | 19.47                  | 19.61               | 20.0     |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                         | QPSK       | 1       | 1         |                       | 19.60                    | 19.67                  | 19.46               | 20.0     |  |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                         | QPSK       | 1       | 1         |                       | 19.50                    | 19.46                  | 19.58               | 20.0     |  |
| Channel                    |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                         | QPSK       | 1       | 1         |                       | 19.50                    | 19.52                  | 19.62               | 20.0     |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                         | QPSK       | 1       | 1         |                       | 19.47                    | 19.49                  | 19.57               | 20.0     |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                         | QPSK       | 1       | 1         |                       | 19.62                    | 19.47                  | 19.53               | 20.0     |  |

| n7 Ant5 DSI1    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 19.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2535                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 17.59                 | 17.96                    | 17.79                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 67        | 17.61                 | 17.93                    | 17.72                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 131       | 17.53                 | 17.99                    | 17.77                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 17.72                 | 17.98                    | 17.87                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 35        | 17.67                 | 17.86                    | 17.91                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 17.52                 | 17.93                    | 17.68                  |                     |          |
| 50              | PI/2 BPSK  | 128     | 0         | 17.57                 | 17.89                    | 17.83                  |                     |          |
| 50              | QPSK       | 1       | 1         | 17.72                 | 18.06                    | 17.90                  | 19.0                | 0.0      |
| 50              | QPSK       | 1       | 67        | 17.68                 | 17.95                    | 17.81                  |                     |          |
| 50              | QPSK       | 1       | 131       | 17.50                 | 18.03                    | 17.82                  |                     |          |
| 50              | QPSK       | 64      | 0         | 17.71                 | 18.04                    | 17.81                  | 19.0                | 0.0      |
| 50              | QPSK       | 64      | 35        | 17.52                 | 18.05                    | 17.71                  |                     |          |
| 50              | QPSK       | 64      | 69        | 17.62                 | 17.98                    | 17.80                  |                     |          |
| 50              | QPSK       | 128     | 0         | 17.62                 | 17.84                    | 17.69                  | 19.0                | 0.0      |
| 50              | 16QAM      | 1       | 1         | 17.72                 | 17.87                    | 17.88                  |                     |          |
| 50              | 64QAM      | 1       | 1         | 17.53                 | 18.01                    | 17.68                  |                     |          |
| 50              | 256QAM     | 1       | 1         | 17.62                 | 17.99                    | 17.74                  | 19.0                | 0.0      |
| Channel         |            |         |           | 506000                | 507000                   | 510000                 |                     |          |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   |                     |          |
| 40              | QPSK       | 1       | 1         | 17.59                 | 17.99                    | 17.69                  | 19.0                | 0.0      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |          |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 17.54                 | 17.96                    | 17.74                  | 19.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 |                     |          |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 17.51                 | 18.07                    | 17.68                  | 19.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 1         | 17.63                 | 18.01                    | 17.72                  | 19.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     |          |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 17.60                 | 17.98                    | 17.84                  | 19.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 17.72                 | 18.07                    | 17.71                  | 19.0                | 0.0      |

| n38 Ant5 DSI1   |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 518004                | 519000                   | 519996                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |
| 40              | PI/2 BPSK  | 1       | 1         | 17.87                 | 18.03                    | 18.08                  | 19.5                | 0.0      |
| 40              | PI/2 BPSK  | 1       | 53        | 18.10                 | 18.13                    | 17.95                  |                     |          |
| 40              | PI/2 BPSK  | 1       | 104       | 17.98                 | 18.16                    | 18.11                  | 19.5                | 0.0      |
| 40              | PI/2 BPSK  | 50      | 0         | 18.06                 | 18.09                    | 18.02                  |                     |          |
| 40              | PI/2 BPSK  | 50      | 28        | 18.03                 | 18.03                    | 18.02                  | 19.5                | 0.0      |
| 40              | PI/2 BPSK  | 50      | 56        | 18.05                 | 18.05                    | 18.09                  |                     |          |
| 40              | PI/2 BPSK  | 100     | 0         | 17.92                 | 18.15                    | 17.99                  | 19.5                | 0.0      |
| 40              | QPSK       | 1       | 1         | 17.88                 | 18.11                    | 18.15                  |                     |          |
| 40              | QPSK       | 1       | 53        | 18.08                 | 18.19                    | 18.15                  | 19.5                | 0.0      |
| 40              | QPSK       | 1       | 104       | 17.93                 | 18.13                    | 18.04                  |                     |          |
| 40              | QPSK       | 50      | 0         | 18.05                 | 18.16                    | 18.02                  | 19.5                | 0.0      |
| 40              | QPSK       | 50      | 28        | 17.97                 | 18.17                    | 17.96                  |                     |          |
| 40              | QPSK       | 50      | 56        | 17.91                 | 18.10                    | 17.94                  | 19.5                | 0.0      |
| 40              | QPSK       | 100     | 0         | 17.93                 | 18.18                    | 18.04                  |                     |          |
| 40              | 16QAM      | 1       | 1         | 18.03                 | 18.00                    | 17.99                  | 19.5                | 0.0      |
| 40              | 64QAM      | 1       | 1         | 17.93                 | 18.10                    | 18.11                  |                     |          |
| 40              | 256QAM     | 1       | 1         | 17.98                 | 18.06                    | 17.97                  | 19.5                | 0.0      |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 |                     |          |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                | 19.5                | 0.0      |
| 30              | QPSK       | 1       | 1         | 17.99                 | 18.04                    | 18.07                  |                     |          |
| Channel         |            |         |           | 516504                | 519000                   | 521496                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2582.52               | 2595                     | 2607.48                |                     |          |
| 25              | QPSK       | 1       | 1         | 17.97                 | 18.07                    | 18.15                  | 19.5                | 0.0      |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 |                     |          |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   | 19.5                | 0.0      |
| 20              | QPSK       | 1       | 1         | 18.00                 | 18.14                    | 18.10                  |                     |          |
| Channel         |            |         |           | 515502                | 519000                   | 522498                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |
| 15              | QPSK       | 1       | 1         | 18.09                 | 18.18                    | 17.99                  | 19.5                | 0.0      |
| Channel         |            |         |           | 515004                | 519000                   | 522996                 |                     |          |
| Frequency (MHz) |            |         |           | 2575.02               | 2595                     | 2614.98                | 19.5                | 0.0      |
| 10              | QPSK       | 1       | 1         | 18.08                 | 18.05                    | 17.94                  |                     |          |

| n41 Ant5 DSI1   |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 17.99                 | 18.01                    | 18.02                  | 19.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 137       | 17.88                 | 18.07                    | 18.04                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 271       | 18.04                 | 17.96                    | 17.97                  | 19.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 0         | 17.99                 | 17.97                    | 17.93                  |                     |          |
| 100             | PI/2 BPSK  | 135     | 69        | 17.99                 | 17.95                    | 18.10                  | 19.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 18.01                 | 18.13                    | 18.01                  |                     |          |
| 100             | PI/2 BPSK  | 270     | 0         | 18.01                 | 18.00                    | 17.92                  | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 17.96                 | 18.17                    | 17.92                  |                     |          |
| 100             | QPSK       | 1       | 137       | 18.09                 | 18.20                    | 18.10                  | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 18.10                 | 18.17                    | 17.98                  |                     |          |
| 100             | QPSK       | 135     | 0         | 17.93                 | 18.00                    | 18.11                  | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.03                 | 18.13                    | 18.05                  |                     |          |
| 100             | QPSK       | 135     | 138       | 17.93                 | 18.09                    | 18.03                  | 19.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 18.02                 | 18.08                    | 18.06                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 17.95                 | 18.12                    | 17.99                  | 19.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 17.95                 | 18.03                    | 18.08                  |                     |          |
| 100             | 256QAM     | 1       | 1         | 17.95                 | 18.04                    | 17.88                  | 19.5                | 0.0      |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 |                     |          |
| Frequency (MHz) |            |         |           | 2544                  | 2592.99                  | 2644.98                | 19.5                | 0.0      |
| 90              | QPSK       | 1       | 1         | 17.99                 | 18.18                    | 18.03                  |                     |          |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |          |
| 80              | QPSK       | 1       | 1         | 17.95                 | 18.12                    | 18.01                  | 19.5                | 0.0      |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 |                     |          |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   | 19.5                | 0.0      |
| 70              | QPSK       | 1       | 1         | 18.00                 | 18.01                    | 17.96                  |                     |          |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |
| 60              | QPSK       | 1       | 1         | 18.06                 | 18.05                    | 17.97                  | 19.5                | 0.0      |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 |                     |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                | 19.5                | 0.0      |
| 50              | QPSK       | 1       | 1         | 17.95                 | 18.12                    | 17.97                  |                     |          |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |
| 40              | QPSK       | 1       | 1         | 17.98                 | 18.14                    | 18.00                  | 19.5                | 0.0      |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 |                     |          |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                | 19.5                | 0.0      |
| 30              | QPSK       | 1       | 1         | 18.10                 | 17.99                    | 18.02                  |                     |          |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |
| 20              | QPSK       | 1       | 1         | 17.98                 | 18.09                    | 18.06                  | 19.5                | 0.0      |
| Channel         |            |         |           | 500700                | 518598                   | 536996                 |                     |          |
| Frequency (MHz) |            |         |           | 2503.5                | 2592.99                  | 2682.48                | 19.5                | 0.0      |
| 15              | QPSK       | 1       | 1         | 18.05                 | 18.18                    | 18.04                  |                     |          |
| Channel         |            |         |           | 500202                | 518598                   | 537000                 | 19.5                | 0.0      |
| Frequency (MHz) |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |
| 10              | QPSK       | 1       | 1         | 17.89                 | 18.00                    | 17.96                  | 19.5                | 0.0      |

| Par270 n77 Ant5 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 650000                   | 650000                 | 18.0                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 17.24                 | 17.44                    | 17.38                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 17.35                 | 17.44                    | 17.27                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 17.29                 | 17.29                    | 17.34                  | 18.0                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 17.22                 | 17.32                    | 17.35                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 17.23                 | 17.33                    | 17.25                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 17.29                 | 17.40                    | 17.37                  |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 17.16                 | 17.41                    | 17.32                  | 18.0                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 17.24                 | 17.50                    | 17.25                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 17.36                 | 17.52                    | 17.44                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 17.21                 | 17.38                    | 17.39                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 17.35                 | 17.43                    | 17.35                  | 18.0                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 17.14                 | 17.46                    | 17.37                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 17.33                 | 17.37                    | 17.45                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 17.28                 | 17.51                    | 17.35                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 17.16                 | 17.46                    | 17.22                  | 18.0                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 17.24                 | 17.51                    | 17.33                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 17.26                 | 17.32                    | 17.32                  |                     |          |  |
| Channel              |            |         |           | 649668                | 650000                   | 632334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                | 18.0                | 0.0      |  |
| 90                   | QPSK       | 1       | 1         | 17.17                 | 17.45                    | 17.37                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 649334                | 650000                   | 663668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 17.29                 | 17.47                    | 17.35                  |                     | 18.0     |  |
| Channel              |            |         |           | 649000                | 650000                   | 663000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   | 18.0                | 0.0      |  |
| 70                   | QPSK       | 1       | 1         | 17.29                 | 17.51                    | 17.42                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 648668                | 650000                   | 663334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 17.37                 | 17.33                    | 17.39                  |                     | 18.0     |  |
| Channel              |            |         |           | 648334                | 650000                   | 663668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                | 18.0                | 0.0      |  |
| 50                   | QPSK       | 1       | 1         | 17.20                 | 17.30                    | 17.39                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 648000                | 650000                   | 664000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 17.32                 | 17.35                    | 17.36                  |                     | 18.0     |  |
| Channel              |            |         |           | 647668                | 650000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                | 18.0                | 0.0      |  |
| 30                   | QPSK       | 1       | 1         | 17.35                 | 17.51                    | 17.37                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 647500                | 650000                   | 664500                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 17.35                 | 17.41                    | 17.44                  |                     | 18.0     |  |
| Channel              |            |         |           | 647234                | 650000                   | 664668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                | 18.0                | 0.0      |  |
| 20                   | QPSK       | 1       | 1         | 17.37                 | 17.40                    | 17.29                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 647168                | 650000                   | 664834                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 17.20                 | 17.42                    | 17.24                  |                     | 18.0     |  |
| Channel              |            |         |           | 647000                | 650000                   | 665000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   | 18.0                | 0.0      |  |
| 10                   | QPSK       | 1       | 1         | 17.26                 | 17.47                    | 17.29                  | 18.0                | 0.0      |  |
| Channel              |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |  |
| Channel              |            |         |           |                       |                          |                        |                     |          |  |

| Part27Q n77 Ant5 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                       | 3500.01                  |                        | 18.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                       | 17.41                    |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                       | 17.43                    |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                       | 17.50                    |                        | 18.0                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                       | 17.48                    |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                       | 17.35                    |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                       | 17.38                    |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                       | 17.49                    |                        | 18.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                       | 17.31                    |                        |                     |          |  |
| 100                   | QPSK       | 1       | 137       |                       | 17.51                    |                        |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       | 17.50                    |                        |                     | 18.0     |  |
| 100                   | QPSK       | 135     | 0         |                       | 17.35                    |                        | 18.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 69        |                       | 17.36                    |                        |                     |          |  |
| 100                   | QPSK       | 135     | 138       |                       | 17.31                    |                        |                     |          |  |
| 100                   | QPSK       | 270     | 0         |                       | 17.48                    |                        |                     |          |  |
| 100                   | 16QAM      | 1       | 1         |                       | 17.36                    |                        | 18.0                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         |                       | 17.40                    |                        |                     |          |  |
| 100                   | 256QAM     | 1       | 1         |                       | 17.32                    |                        |                     |          |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                | 18.0                | 0.0      |  |
| 90                    | QPSK       | 1       | 1         | 17.08                 | 17.09                    | 17.13                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 17.13                 | 17.29                    | 17.28                  |                     | 18.0     |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 18.0                | 0.0      |  |
| 70                    | QPSK       | 1       | 1         | 17.12                 | 17.28                    | 17.22                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 17.21                 | 17.16                    | 17.21                  |                     | 18.0     |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   | 18.0                | 0.0      |  |
| 50                    | QPSK       | 1       | 1         | 17.16                 | 17.26                    | 17.14                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 17.14                 | 17.24                    | 17.27                  |                     | 18.0     |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                | 18.0                | 0.0      |  |
| 30                    | QPSK       | 1       | 1         | 17.16                 | 17.17                    | 17.21                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 630834                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 17.15                 | 17.15                    | 17.24                  |                     | 18.0     |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   | 18.0                | 0.0      |  |
| 20                    | QPSK       | 1       | 1         | 17.14                 | 17.22                    | 17.27                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 17.16                 | 17.15                    | 17.13                  |                     | 18.0     |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 18.0                | 0.0      |  |
| 10                    | QPSK       | 1       | 1         | 17.19                 | 17.29                    | 17.12                  | 18.0                | 0.0      |  |
| Channel               |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)       |            |         |           |                       |                          |                        |                     |          |  |
| Channel               |            |         |           |                       |                          |                        |                     |          |  |

| Part270 n78 PC2/3 Ant5 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 19.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 18.29                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 18.27                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 18.12                    |                        | 19.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 18.16                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 18.28                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 18.08                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 18.28                    |                        | 19.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 1         |                       | 18.08                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 137       |                       | 18.32                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 271       |                       | 18.30                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 18.13                    |                        | 19.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 18.29                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 138       |                       | 18.13                    |                        |                     |          |  |
| 100                         | QPSK       | 270     | 0         |                       | 18.14                    |                        |                     |          |  |
| 100                         | 16QAM      | 1       | 1         |                       | 18.20                    |                        | 19.0                | 0.0      |  |
| 100                         | 64QAM      | 1       | 1         |                       | 18.30                    |                        |                     |          |  |
| 100                         | 256QAM     | 1       | 1         |                       | 18.16                    |                        |                     |          |  |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | 19.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                          | QPSK       | 1       | 1         |                       | 18.09                    | 18.11                  |                     | 19.0     |  |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                          | QPSK       | 1       | 1         |                       | 18.13                    | 18.07                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                          | QPSK       | 1       | 1         |                       | 18.14                    | 17.98                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                          | QPSK       | 1       | 1         |                       | 18.07                    | 18.07                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                          | QPSK       | 1       | 1         |                       | 18.12                    | 18.08                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                          | QPSK       | 1       | 1         |                       | 18.04                    | 18.02                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                          | QPSK       | 1       | 1         |                       | 17.99                    | 18.04                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                          | QPSK       | 1       | 1         |                       | 18.03                    | 18.16                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                          | QPSK       | 1       | 1         |                       | 18.05                    | 17.99                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                          | QPSK       | 1       | 1         |                       | 18.00                    | 18.09                  | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 |                     |          |  |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                          | QPSK       | 1       | 1         |                       | 18.12                    | 18.09                  | 19.0                | 0.0      |  |

| Part27Q 78 PC2/3 Ant5 DSI1 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       | 633334                   |                        | 19.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 18.07                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 18.07                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 18.18                    |                        | 19.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 18.06                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 18.13                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 18.24                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 18.22                    |                        | 19.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         |                       | 18.17                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 137       |                       | 18.25                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 271       |                       | 18.04                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 0         |                       | 18.09                    |                        | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        |                       | 18.15                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 138       |                       | 18.12                    |                        |                     |          |  |
| 100                        | QPSK       | 270     | 0         |                       | 18.25                    |                        |                     |          |  |
| 100                        | 16QAM      | 1       | 1         |                       | 18.08                    |                        | 19.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         |                       | 18.06                    |                        |                     |          |  |
| 100                        | 256QAM     | 1       | 1         |                       | 18.05                    |                        |                     |          |  |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | 19.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                         | QPSK       | 1       | 1         |                       | 18.07                    | 18.09                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                         | QPSK       | 1       | 1         |                       | 18.20                    | 18.16                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                         | QPSK       | 1       | 1         |                       | 18.12                    | 18.27                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                         | QPSK       | 1       | 1         |                       | 18.21                    | 18.14                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                         | QPSK       | 1       | 1         |                       | 18.17                    | 18.25                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                         | QPSK       | 1       | 1         |                       | 18.08                    | 18.27                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                         | QPSK       | 1       | 1         |                       | 18.20                    | 18.16                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                         | QPSK       | 1       | 1         |                       | 18.14                    | 18.28                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 630568                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                         | QPSK       | 1       | 1         |                       | 18.06                    | 18.29                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                         | QPSK       | 1       | 1         |                       | 18.21                    | 18.16                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                         | QPSK       | 1       | 1         |                       | 18.28                    | 18.26                  | 19.0                | 0.0      |  |

## Reduced Power Mode for DSI 3\_Main PA DFT-30

| n5 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 166900                | 167900                   | 167800                 | 25.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.06                 | 24.69                    | 24.61                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 24.54                 | 24.56                    | 24.42                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 24.53                 | 24.61                    | 24.60                  | 25.0                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.91                 | 24.02                    | 24.01                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 13        | 24.58                 | 24.65                    | 24.54                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 26        | 24.12                 | 24.12                    | 24.01                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.93                 | 24.08                    | 24.02                  | 25.0                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 24.72                 | 24.78                    | 24.64                  | 25.5                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 24.73                 | 24.74                    | 24.60                  |                     |          |  |
| 20              | QPSK       | 1       | 49        | 24.69                 | 24.72                    | 24.69                  |                     |          |  |
| 20              | QPSK       | 25      | 0         | 23.69                 | 23.79                    | 23.76                  |                     | 24.5     |  |
| 20              | QPSK       | 25      | 13        | 24.71                 | 24.76                    | 24.65                  | 25.5                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 23.58                 | 23.67                    | 23.56                  | 24.5                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 23.58                 | 23.59                    | 23.47                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 23.42                 | 23.48                    | 23.36                  |                     | 24.5     |  |
| 20              | 64QAM      | 1       | 1         | 22.12                 | 22.12                    | 21.99                  | 23.0                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 20.37                 | 20.39                    | 20.25                  | 21.0                | 4.5      |  |
| Channel         |            |         |           | 166900                | 167900                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.93                 | 24.04                    | 24.01                  | 25.5                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167900                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.97                 | 24.11                    | 24.08                  | 25.5                | 0.0      |  |

| n7 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 24.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2535                  | 2535                     | 2545                   |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 1         | 22.88                 | 22.99                    | 22.95                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 67        | 22.76                 | 22.83                    | 22.83                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 131       | 22.56                 | 22.57                    | 22.58                  | 24.0                | 0.5      |  |
| 50              | PI/2 BPSK  | 64      | 0         | 22.56                 | 22.59                    | 22.54                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 35        | 22.77                 | 22.92                    | 22.86                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 69        | 22.08                 | 22.14                    | 22.08                  |                     |          |  |
| 50              | PI/2 BPSK  | 128     | 0         | 22.29                 | 22.41                    | 22.38                  | 24.0                | 0.5      |  |
| 50              | QPSK       | 1       | 1         | 22.98                 | 23.05                    | 22.91                  | 24.5                | 0.0      |  |
| 50              | QPSK       | 1       | 67        | 22.75                 | 22.87                    | 22.83                  |                     |          |  |
| 50              | QPSK       | 1       | 131       | 22.54                 | 22.53                    | 22.57                  |                     |          |  |
| 50              | QPSK       | 64      | 0         | 22.00                 | 22.11                    | 22.08                  |                     | 23.5     |  |
| 50              | QPSK       | 64      | 35        | 22.91                 | 22.97                    | 22.93                  | 24.5                | 0.0      |  |
| 50              | QPSK       | 64      | 69        | 21.71                 | 21.74                    | 21.69                  | 23.5                | 1.0      |  |
| 50              | QPSK       | 128     | 0         | 21.80                 | 21.90                    | 21.89                  |                     |          |  |
| 50              | 16QAM      | 1       | 1         | 21.81                 | 21.87                    | 21.80                  |                     | 23.5     |  |
| 50              | 64QAM      | 1       | 1         | 20.34                 | 20.36                    | 20.33                  | 22.0                | 2.5      |  |
| 50              | 256QAM     | 1       | 1         | 18.92                 | 18.94                    | 18.83                  | 20.0                | 4.5      |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 22.78                 | 22.93                    | 22.88                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.92                 | 22.89                    | 22.87                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 22.74                 | 22.88                    | 22.97                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.80                 | 22.92                    | 22.94                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.78                 | 22.89                    | 22.96                  | 24.5                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.80                 | 23.00                    | 22.96                  | 24.5                | 0.0      |  |

| n38 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 518004                | 519000                   | 519996                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 1         | 22.53                 | 22.56                    | 22.52                  |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 53        | 22.91                 | 22.97                    | 22.94                  |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 104       | 22.52                 | 22.54                    | 22.51                  | 24.0                | 0.5      |  |
| 40               | PI/2 BPSK  | 50      | 0         | 22.34                 | 22.38                    | 22.31                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 28        | 22.82                 | 22.94                    | 22.82                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 56        | 22.18                 | 22.32                    | 22.26                  |                     |          |  |
| 40               | PI/2 BPSK  | 100     | 0         | 22.23                 | 22.37                    | 22.33                  | 24.5                | 0.0      |  |
| 40               | QPSK       | 1       | 1         | 22.56                 | 22.58                    | 22.54                  |                     |          |  |
| 40               | QPSK       | 1       | 53        | 22.88                 | 23.02                    | 22.97                  |                     |          |  |
| 40               | QPSK       | 1       | 104       | 22.55                 | 22.53                    | 22.51                  |                     |          |  |
| 40               | QPSK       | 50      | 0         | 21.74                 | 21.87                    | 21.76                  | 23.5                | 1.0      |  |
| 40               | QPSK       | 50      | 28        | 22.90                 | 22.98                    | 22.91                  |                     |          |  |
| 40               | QPSK       | 50      | 56        | 21.75                 | 21.82                    | 21.67                  |                     |          |  |
| 40               | QPSK       | 100     | 0         | 21.77                 | 21.85                    | 21.75                  |                     |          |  |
| 40               | 16QAM      | 1       | 1         | 21.53                 | 21.61                    | 21.56                  | 23.5                | 1.0      |  |
| 40               | 64QAM      | 1       | 1         | 20.18                 | 20.29                    | 20.26                  |                     |          |  |
| 40               | 256QAM     | 1       | 1         | 18.36                 | 18.42                    | 18.31                  |                     |          |  |
| Channel          |            |         |           | 517002                | 519000                   | 520998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2585.01               | 2595                     | 2604.99                |                     |          |  |
| 30               | QPSK       | 1       | 1         | 22.55                 | 22.52                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 516504                | 519000                   | 521496                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2582.52               | 2595                     | 2607.48                |                     |          |  |
| 25               | QPSK       | 1       | 1         | 22.61                 | 22.54                    | 22.51                  |                     |          |  |
| Channel          |            |         |           | 516000                | 519000                   | 522000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20               | QPSK       | 1       | 1         | 22.52                 | 22.56                    | 22.54                  |                     |          |  |
| Channel          |            |         |           | 515502                | 519000                   | 522498                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |  |
| 15               | QPSK       | 1       | 1         | 22.57                 | 22.51                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 515004                | 519000                   | 522996                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |  |
| 10               | QPSK       | 1       | 1         | 22.51                 | 22.52                    | 22.60                  |                     |          |  |

| n41 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 509202                | 518598                   | 528000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 1         | 22.52                 | 22.56                    | 22.51                  |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 137       | 22.94                 | 23.05                    | 23.00                  |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 271       | 22.58                 | 22.54                    | 22.55                  | 24.0                | 0.5      |  |
| 100              | PI/2 BPSK  | 135     | 0         | 22.35                 | 22.42                    | 22.38                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 69        | 22.92                 | 23.00                    | 22.93                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 138       | 22.17                 | 22.30                    | 22.22                  |                     |          |  |
| 100              | PI/2 BPSK  | 270     | 0         | 22.35                 | 22.39                    | 22.26                  | 24.5                | 0.0      |  |
| 100              | QPSK       | 1       | 1         | 22.56                 | 22.63                    | 22.51                  |                     |          |  |
| 100              | QPSK       | 1       | 137       | 22.97                 | 23.11                    | 23.05                  |                     |          |  |
| 100              | QPSK       | 1       | 271       | 22.54                 | 22.51                    | 22.52                  |                     |          |  |
| 100              | QPSK       | 135     | 0         | 21.82                 | 21.92                    | 21.87                  | 23.5                | 1.0      |  |
| 100              | QPSK       | 135     | 69        | 22.97                 | 23.08                    | 23.05                  |                     |          |  |
| 100              | QPSK       | 135     | 138       | 21.78                 | 21.83                    | 21.82                  |                     |          |  |
| 100              | QPSK       | 270     | 0         | 21.86                 | 21.88                    | 21.86                  |                     |          |  |
| 100              | 16QAM      | 1       | 1         | 21.59                 | 21.52                    | 21.56                  | 23.5                | 1.0      |  |
| 100              | 64QAM      | 1       | 1         | 20.06                 | 20.10                    | 20.01                  |                     |          |  |
| 100              | 256QAM     | 1       | 1         | 18.06                 | 18.11                    | 18.03                  |                     |          |  |
| Channel          |            |         |           | 508200                | 518598                   | 528998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |  |
| 90               | QPSK       | 1       | 1         | 22.56                 | 22.60                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 507204                | 518598                   | 529998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |          |  |
| 80               | QPSK       | 1       | 1         | 22.61                 | 22.62                    | 22.54                  |                     |          |  |
| Channel          |            |         |           | 506202                | 518598                   | 531000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |  |
| 70               | QPSK       | 1       | 1         | 22.64                 | 22.64                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 505200                | 518598                   | 531998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |  |
| 60               | QPSK       | 1       | 1         | 22.59                 | 22.66                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 504204                | 518598                   | 532998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |  |
| 50               | QPSK       | 1       | 1         | 22.55                 | 22.72                    | 22.53                  |                     |          |  |
| Channel          |            |         |           | 503202                | 518598                   | 534000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |  |
| 40               | QPSK       | 1       | 1         | 22.64                 | 22.61                    | 22.47                  |                     |          |  |
| Channel          |            |         |           | 502200                | 518598                   | 534998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |  |
| 30               | QPSK       | 1       | 1         | 22.54                 | 22.71                    | 22.58                  |                     |          |  |
| Channel          |            |         |           | 501204                | 518598                   | 535998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |  |
| 20               | QPSK       | 1       | 1         | 22.55                 | 22.68                    | 22.56                  |                     |          |  |
| Channel          |            |         |           | 500700                | 518598                   | 536998                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |  |
| 15               | QPSK       | 1       | 1         | 22.51                 | 22.73                    | 22.47                  |                     |          |  |
| Channel          |            |         |           | 500202                | 518598                   | 537000                 | 24.5                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |  |
| 10               | QPSK       | 1       | 1         | 22.63                 | 22.59                    | 22.51                  |                     |          |  |

| n5 Ant1 Default |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 166800                   | 167300                      | 167800                    | 25.7                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 834                      | 836.5                       | 839                       |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.01                    | 24.11                       | 24.06                     |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 26        | 23.89                    | 24.00                       | 23.90                     | 25.2                   | 0.5         |  |
| 20              | PI/2 BPSK  | 1       | 49        | 24.00                    | 24.07                       | 23.99                     |                        |             |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.58                    | 23.68                       | 23.57                     |                        |             |  |
| 20              | PI/2 BPSK  | 25      | 13        | 23.91                    | 24.04                       | 23.91                     | 25.7                   | 0.0         |  |
| 20              | PI/2 BPSK  | 25      | 26        | 23.72                    | 23.81                       | 23.77                     | 25.2                   | 0.5         |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.67                    | 23.71                       | 23.65                     |                        |             |  |
| 20              | QPSK       | 1       | 1         | 24.06                    | 24.13                       | 23.99                     |                        |             |  |
| 20              | QPSK       | 1       | 26        | 23.95                    | 24.06                       | 24.00                     | 24.7                   | 1.0         |  |
| 20              | QPSK       | 1       | 49        | 23.96                    | 24.08                       | 24.02                     |                        |             |  |
| 20              | QPSK       | 25      | 0         | 23.00                    | 23.07                       | 23.00                     |                        |             |  |
| 20              | QPSK       | 25      | 13        | 24.04                    | 24.12                       | 24.01                     | 25.7                   | 0.0         |  |
| 20              | QPSK       | 25      | 26        | 23.09                    | 23.21                       | 23.12                     | 24.7                   | 1.0         |  |
| 20              | QPSK       | 50      | 0         | 23.16                    | 23.20                       | 23.08                     |                        |             |  |
| 20              | 16QAM      | 1       | 1         | 22.90                    | 22.93                       | 22.81                     | 24.7                   | 1.0         |  |
| 20              | 64QAM      | 1       | 1         | 21.41                    | 21.51                       | 21.39                     | 23.2                   | 2.5         |  |
| 20              | 256QAM     | 1       | 1         | 19.69                    | 19.77                       | 19.69                     | 21.2                   | 4.5         |  |
| Channel         |            |         |           | 166800                   | 167300                      | 167800                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 831.5                    | 836.5                       | 841.5                     |                        |             |  |
| 15              | QPSK       | 1       | 1         | 23.96                    | 24.09                       | 23.90                     | 25.7                   | 0.0         |  |
| Channel         |            |         |           | 166800                   | 167300                      | 168800                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       |                        |             |  |
| 10              | QPSK       | 1       | 1         | 23.93                    | 24.05                       | 23.93                     | 25.7                   | 0.0         |  |

| n7 Ant1 Default |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 25.0                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 2535                     | 2535                        | 2545                      |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 1         | 23.77                    | 23.91                       | 23.78                     |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 67        | 23.58                    | 23.71                       | 23.63                     | 24.5                   | 0.5         |  |
| 50              | PI/2 BPSK  | 1       | 131       | 23.63                    | 23.67                       | 23.58                     |                        |             |  |
| 50              | PI/2 BPSK  | 64      | 0         | 23.31                    | 23.41                       | 23.35                     |                        |             |  |
| 50              | PI/2 BPSK  | 64      | 35        | 23.72                    | 23.82                       | 23.77                     | 25.0                   | 0.0         |  |
| 50              | PI/2 BPSK  | 64      | 69        | 22.92                    | 22.95                       | 22.91                     | 24.5                   | 0.5         |  |
| 50              | PI/2 BPSK  | 128     | 0         | 23.13                    | 23.20                       | 23.08                     |                        |             |  |
| 50              | QPSK       | 1       | 1         | 23.94                    | 23.97                       | 23.84                     |                        |             |  |
| 50              | QPSK       | 1       | 67        | 23.59                    | 23.65                       | 23.53                     | 24.0                   | 1.0         |  |
| 50              | QPSK       | 1       | 131       | 23.49                    | 23.56                       | 23.43                     |                        |             |  |
| 50              | QPSK       | 64      | 0         | 22.88                    | 23.02                       | 22.95                     |                        |             |  |
| 50              | QPSK       | 64      | 35        | 23.81                    | 23.85                       | 23.71                     | 25.0                   | 0.0         |  |
| 50              | QPSK       | 64      | 69        | 22.45                    | 22.56                       | 22.44                     | 24.0                   | 1.0         |  |
| 50              | QPSK       | 128     | 0         | 22.62                    | 22.73                       | 22.61                     |                        |             |  |
| 50              | 16QAM      | 1       | 1         | 22.66                    | 22.71                       | 22.67                     | 24.0                   | 1.0         |  |
| 50              | 64QAM      | 1       | 1         | 21.14                    | 21.23                       | 21.16                     | 22.5                   | 2.5         |  |
| 50              | 256QAM     | 1       | 1         | 19.66                    | 19.80                       | 19.68                     | 20.5                   | 4.5         |  |
| Channel         |            |         |           | 504800                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2530                     | 2535                        | 2550                      |                        |             |  |
| 40              | QPSK       | 1       | 1         | 23.91                    | 23.93                       | 23.73                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |  |
| 30              | QPSK       | 1       | 1         | 23.86                    | 23.90                       | 23.78                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |  |
| 25              | QPSK       | 1       | 1         | 23.85                    | 23.87                       | 23.71                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 23.84                    | 23.88                       | 23.73                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |  |
| 15              | QPSK       | 1       | 1         | 23.85                    | 23.87                       | 23.73                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |  |
| 10              | QPSK       | 1       | 1         | 23.79                    | 23.86                       | 23.80                     | 25.0                   | 0.0         |  |

| n38 Ant1 Default |            |         |           |                          |                             |                           |                        |             |
|------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel          |            |         |           | 518004                   | 519000                      | 519996                    | 25.5                   | 0.0         |
| Frequency (MHz)  |            |         |           | 2590.02                  | 2595                        | 2599.98                   |                        |             |
| 40               | PI/2 BPSK  | 1       | 1         | 23.58                    | 23.52                       | 23.57                     |                        |             |
| 40               | PI/2 BPSK  | 1       | 53        | 24.05                    | 24.15                       | 24.03                     |                        |             |
| 40               | PI/2 BPSK  | 1       | 104       | 23.59                    | 23.51                       | 23.56                     | 25.0                   | 0.5         |
| 40               | PI/2 BPSK  | 50      | 0         | 23.77                    | 23.91                       | 23.86                     |                        |             |
| 40               | PI/2 BPSK  | 50      | 28        | 24.33                    | 24.37                       | 24.30                     |                        |             |
| 40               | PI/2 BPSK  | 50      | 56        | 23.84                    | 23.98                       | 23.90                     |                        |             |
| 40               | PI/2 BPSK  | 100     | 0         | 23.85                    | 23.93                       | 23.80                     | 25.5                   | 0.0         |
| 40               | QPSK       | 1       | 1         | 23.53                    | 23.56                       | 23.54                     |                        |             |
| 40               | QPSK       | 1       | 53        | 24.38                    | 24.45                       | 24.31                     |                        |             |
| 40               | QPSK       | 1       | 104       | 23.56                    | 23.53                       | 23.57                     |                        |             |
| 40               | QPSK       | 50      | 0         | 23.28                    | 23.37                       | 23.33                     | 24.5                   | 1.0         |
| 40               | QPSK       | 50      | 28        | 24.25                    | 24.35                       | 24.20                     | 25.5                   | 0.0         |
| 40               | QPSK       | 50      | 56        | 23.35                    | 23.38                       | 23.30                     | 24.5                   | 1.0         |
| 40               | QPSK       | 100     | 0         | 23.36                    | 23.43                       | 23.35                     |                        |             |
| 40               | 16QAM      | 1       | 1         | 22.51                    | 22.55                       | 22.56                     | 24.5                   | 1.0         |
| 40               | 64QAM      | 1       | 1         | 21.01                    | 21.09                       | 21.11                     | 23.0                   | 2.5         |
| 40               | 256QAM     | 1       | 1         | 19.93                    | 19.97                       | 19.98                     | 21.0                   | 4.5         |
| Channel          |            |         |           | 517002                   | 518000                      | 518998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2585.01                  | 2595                        | 2604.99                   |                        |             |
| 30               | QPSK       | 1       | 1         | 23.54                    | 23.59                       | 23.56                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 516504                   | 519000                      | 521496                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2582.52                  | 2595                        | 2607.48                   |                        |             |
| 25               | QPSK       | 1       | 1         | 23.52                    | 23.57                       | 23.51                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 516000                   | 519000                      | 522000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |
| 20               | QPSK       | 1       | 1         | 23.54                    | 23.58                       | 23.55                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 515502                   | 519000                      | 522498                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2577.51                  | 2595                        | 2612.49                   |                        |             |
| 15               | QPSK       | 1       | 1         | 23.57                    | 23.53                       | 23.52                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 515004                   | 519000                      | 522996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2575.02                  | 2595                        | 2614.98                   |                        |             |
| 10               | QPSK       | 1       | 1         | 23.55                    | 23.51                       | 23.56                     | 25.5                   | 0.0         |

| n41 Ant1 Default |            |         |           |                          |                             |                           |                        |             |
|------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel          |            |         |           | 509202                   | 518598                      | 528000                    | 25.5                   | 0.0         |
| Frequency (MHz)  |            |         |           | 2546.01                  | 2592.99                     | 2640                      |                        |             |
| 100              | PI/2 BPSK  | 1       | 1         | 23.61                    | 23.53                       | 23.56                     |                        |             |
| 100              | PI/2 BPSK  | 1       | 137       | 24.27                    | 24.34                       | 24.26                     |                        |             |
| 100              | PI/2 BPSK  | 1       | 271       | 23.51                    | 23.60                       | 23.58                     | 25.0                   | 0.5         |
| 100              | PI/2 BPSK  | 135     | 0         | 23.52                    | 23.65                       | 23.55                     |                        |             |
| 100              | PI/2 BPSK  | 135     | 69        | 24.20                    | 24.29                       | 24.25                     |                        |             |
| 100              | PI/2 BPSK  | 135     | 138       | 23.70                    | 23.70                       | 23.64                     |                        |             |
| 100              | PI/2 BPSK  | 270     | 0         | 23.64                    | 23.69                       | 23.66                     | 25.5                   | 0.0         |
| 100              | QPSK       | 1       | 1         | 23.54                    | 23.58                       | 23.51                     |                        |             |
| 100              | QPSK       | 1       | 137       | 24.38                    | 24.39                       | 24.26                     |                        |             |
| 100              | QPSK       | 1       | 271       | 23.65                    | 23.66                       | 23.56                     |                        |             |
| 100              | QPSK       | 135     | 0         | 23.02                    | 23.13                       | 23.09                     | 24.5                   | 1.0         |
| 100              | QPSK       | 135     | 69        | 24.30                    | 24.34                       | 24.25                     | 25.5                   | 0.0         |
| 100              | QPSK       | 135     | 138       | 23.13                    | 23.18                       | 23.06                     | 24.5                   | 1.0         |
| 100              | QPSK       | 270     | 0         | 23.15                    | 23.20                       | 23.18                     |                        |             |
| 100              | 16QAM      | 1       | 1         | 22.56                    | 22.64                       | 22.51                     | 24.5                   | 1.0         |
| 100              | 64QAM      | 1       | 1         | 21.05                    | 21.16                       | 21.12                     | 23.0                   | 2.5         |
| 100              | 256QAM     | 1       | 1         | 19.17                    | 19.31                       | 19.23                     | 21.0                   | 4.5         |
| Channel          |            |         |           | 508200                   | 518598                      | 528998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |
| 90               | QPSK       | 1       | 1         | 23.52                    | 23.61                       | 23.64                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 507204                   | 518598                      | 529998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2536.02                  | 2592.99                     | 2649.99                   |                        |             |
| 80               | QPSK       | 1       | 1         | 23.55                    | 23.68                       | 23.55                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 506202                   | 518598                      | 531000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2531.01                  | 2592.99                     | 2655                      |                        |             |
| 70               | QPSK       | 1       | 1         | 23.56                    | 23.62                       | 23.54                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 505200                   | 518598                      | 531996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2526                     | 2592.99                     | 2659.98                   |                        |             |
| 60               | QPSK       | 1       | 1         | 23.58                    | 23.65                       | 23.64                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   |                        |             |
| 50               | QPSK       | 1       | 1         | 23.57                    | 23.64                       | 23.54                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 503202                   | 518598                      | 534000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        |             |
| 40               | QPSK       | 1       | 1         | 23.58                    | 23.60                       | 23.62                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 502200                   | 518598                      | 534996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2511                     | 2592.99                     | 2674.98                   |                        |             |
| 30               | QPSK       | 1       | 1         | 23.51                    | 23.65                       | 23.52                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 501204                   | 518598                      | 535998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        |             |
| 20               | QPSK       | 1       | 1         | 23.63                    | 23.59                       | 23.53                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 500200                   | 518598                      | 536998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2503.5                   | 2592.99                     | 2682.48                   |                        |             |
| 15               | QPSK       | 1       | 1         | 23.52                    | 23.68                       | 23.64                     | 25.5                   | 0.0         |
| Channel          |            |         |           | 500202                   | 518598                      | 537000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 2501.01                  | 2592.99                     | 2685                      |                        |             |
| 10               | QPSK       | 1       | 1         | 23.55                    | 23.71                       | 23.55                     | 25.5                   | 0.0         |

| n7 Ant2 DSI3    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 23.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2535                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 21.36                 | 21.57                    | 21.50                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 67        | 21.30                 | 21.64                    | 21.47                  | 23.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 131       | 21.49                 | 21.52                    | 21.40                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 21.39                 | 21.59                    | 21.50                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 35        | 21.31                 | 21.49                    | 21.42                  | 23.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 21.30                 | 21.47                    | 21.47                  |                     |          |
| 50              | PI/2 BPSK  | 128     | 0         | 21.27                 | 21.61                    | 21.42                  |                     |          |
| 50              | QPSK       | 1       | 1         | 21.49                 | 21.65                    | 21.59                  | 23.0                | 0.0      |
| 50              | QPSK       | 1       | 67        | 21.40                 | 21.46                    | 21.54                  |                     |          |
| 50              | QPSK       | 1       | 131       | 21.37                 | 21.49                    | 21.56                  |                     |          |
| 50              | QPSK       | 64      | 0         | 21.45                 | 21.60                    | 21.39                  | 22.0                | 1.0      |
| 50              | QPSK       | 64      | 35        | 21.42                 | 21.62                    | 21.42                  |                     |          |
| 50              | QPSK       | 64      | 69        | 21.35                 | 21.56                    | 21.54                  |                     |          |
| 50              | QPSK       | 128     | 0         | 21.36                 | 21.62                    | 21.48                  | 22.0                | 1.0      |
| 50              | 16QAM      | 1       | 1         | 21.30                 | 21.48                    | 21.41                  |                     |          |
| 50              | 64QAM      | 1       | 1         | 19.96                 | 20.17                    | 20.11                  |                     |          |
| 50              | 256QAM     | 1       | 1         | 17.91                 | 18.25                    | 18.08                  | 19.5                | 3.5      |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   |                     |          |
| 40              | QPSK       | 1       | 1         | 21.41                 | 21.51                    | 21.55                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 21.40                 | 21.50                    | 21.44                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 21.50                 | 21.65                    | 21.43                  |                     |          |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 1         | 21.35                 | 21.61                    | 21.38                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 21.30                 | 21.56                    | 21.54                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 21.41                 | 21.63                    | 21.60                  |                     |          |

| n38 Ant2 DSI3   |            |         |           |                          |                             |                           |                        |               |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|---------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB)   |  |
| Channel         |            |         |           | 516004                   | 519000                      | 519996                    | 24.0                   | 0.0           |  |
| Frequency (MHz) |            |         |           | 2590.02                  | 2595                        | 2599.98                   |                        |               |  |
| 40              | PI/2 BPSK  | 1       | 1         | 22.07                    | 22.14                       | 22.20                     |                        |               |  |
| 40              | PI/2 BPSK  | 1       | 53        | 22.15                    | 22.30                       | 22.09                     | 24.0                   | 0.0           |  |
| 40              | PI/2 BPSK  | 1       | 104       | 22.11                    | 22.17                       | 22.04                     |                        |               |  |
| 40              | PI/2 BPSK  | 50      | 0         | 22.10                    | 22.26                       | 22.20                     |                        |               |  |
| 40              | PI/2 BPSK  | 50      | 28        | 22.17                    | 22.17                       | 22.19                     | 24.0                   | 0.0           |  |
| 40              | PI/2 BPSK  | 50      | 56        | 22.14                    | 22.25                       | 22.08                     |                        |               |  |
| 40              | PI/2 BPSK  | 100     | 0         | 22.11                    | 22.30                       | 22.09                     |                        |               |  |
| 40              | QPSK       | 1       | 1         | 22.30                    | 22.13                       | 22.10                     | 24.0                   | 0.0           |  |
| 40              | QPSK       | 1       | 53        | 22.18                    | 22.34                       | 22.23                     |                        |               |  |
| 40              | QPSK       | 1       | 104       | 22.30                    | 22.26                       | 22.25                     |                        |               |  |
| 40              | QPSK       | 50      | 0         | 22.26                    | 22.32                       | 22.12                     | 24.0                   | 0.0           |  |
| 40              | QPSK       | 50      | 28        | 22.15                    | 22.33                       | 22.23                     |                        |               |  |
| 40              | QPSK       | 50      | 56        | 22.22                    | 22.24                       | 22.04                     |                        |               |  |
| 40              | QPSK       | 100     | 0         | 22.17                    | 22.30                       | 22.18                     | 24.0                   | 0.0           |  |
| 40              | 16QAM      | 1       | 1         | 22.06                    | 22.23                       | 22.14                     |                        |               |  |
| 40              | 64QAM      | 1       | 1         | 20.71                    | 20.84                       | 20.69                     |                        | 22.5          |  |
| 40              | 256QAM     | 1       | 1         | 18.59                    | 18.85                       | 18.64                     | 20.5                   | 20.5          |  |
| Channel         |            |         |           | 517002                   | 519000                      | 520998                    |                        | Tune-up limit |  |
| Frequency (MHz) |            |         |           | 2585.01                  | 2595                        | 2604.99                   |                        | MPR (dB)      |  |
| 30              | QPSK       | 1       | 1         | 22.06                    | 22.23                       | 22.14                     | 24.0                   | 0.0           |  |
| Channel         |            |         |           | 516504                   | 519000                      | 521496                    |                        | Tune-up limit |  |
| Frequency (MHz) |            |         |           | 2582.52                  | 2595                        | 2607.48                   |                        | (dB)          |  |
| 25              | QPSK       | 1       | 1         | 22.02                    | 22.15                       | 22.05                     | 24.0                   | 0.0           |  |
| Channel         |            |         |           | 516000                   | 519000                      | 522000                    |                        | Tune-up limit |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        | (dB)          |  |
| 20              | QPSK       | 1       | 1         | 22.07                    | 22.27                       | 22.15                     | 24.0                   | 0.0           |  |
| Channel         |            |         |           | 515502                   | 519000                      | 522498                    |                        | Tune-up limit |  |
| Frequency (MHz) |            |         |           | 2577.51                  | 2595                        | 2612.49                   |                        | (dB)          |  |
| 15              | QPSK       | 1       | 1         | 22.18                    | 22.14                       | 22.03                     | 24.0                   | 0.0           |  |
| Channel         |            |         |           | 515004                   | 519000                      | 522996                    |                        | Tune-up limit |  |
| Frequency (MHz) |            |         |           | 2575.02                  | 2595                        | 2614.98                   |                        | (dB)          |  |
| 10              | QPSK       | 1       | 1         | 22.03                    | 22.30                       | 22.04                     | 24.0                   | 0.0           |  |

| n41 Ant2 Default |            |         |           |                          |                             |                           |                        |               |  |
|------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|---------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB)   |  |
| Channel          |            |         |           | 509202                   | 518598                      | 528000                    | 24.0                   | 0.0           |  |
| Frequency (MHz)  |            |         |           | 2546.01                  | 2592.99                     | 2640                      |                        |               |  |
| 100              | PI/2 BPSK  | 1       | 1         | 23.04                    | 23.05                       | 23.03                     |                        |               |  |
| 100              | PI/2 BPSK  | 1       | 137       | 23.16                    | 23.25                       | 23.19                     | 24.5                   | 0.0           |  |
| 100              | PI/2 BPSK  | 1       | 271       | 23.02                    | 23.09                       | 23.04                     |                        |               |  |
| 100              | PI/2 BPSK  | 135     | 0         | 22.67                    | 22.70                       | 22.66                     |                        | 24.0          |  |
| 100              | PI/2 BPSK  | 135     | 69        | 23.19                    | 23.24                       | 23.16                     | 24.0                   | 0.5           |  |
| 100              | PI/2 BPSK  | 135     | 138       | 22.64                    | 22.68                       | 22.67                     |                        |               |  |
| 100              | PI/2 BPSK  | 270     | 0         | 22.68                    | 22.71                       | 22.66                     |                        |               |  |
| 100              | QPSK       | 1       | 1         | 23.03                    | 23.09                       | 23.05                     | 24.5                   | 0.0           |  |
| 100              | QPSK       | 1       | 137       | 23.25                    | 23.31                       | 23.19                     |                        |               |  |
| 100              | QPSK       | 1       | 271       | 23.02                    | 23.08                       | 23.03                     |                        |               |  |
| 100              | QPSK       | 135     | 0         | 22.15                    | 22.29                       | 22.18                     | 23.5                   | 1.0           |  |
| 100              | QPSK       | 135     | 69        | 23.22                    | 23.25                       | 23.16                     |                        |               |  |
| 100              | QPSK       | 135     | 138       | 22.14                    | 22.22                       | 22.19                     |                        |               |  |
| 100              | QPSK       | 270     | 0         | 22.19                    | 22.26                       | 22.24                     | 23.5                   | 1.0           |  |
| 100              | 16QAM      | 1       | 1         | 22.08                    | 22.14                       | 22.09                     |                        |               |  |
| 100              | 64QAM      | 1       | 1         | 20.59                    | 20.66                       | 20.55                     |                        | 22.0          |  |
| 100              | 256QAM     | 1       | 1         | 18.89                    | 18.99                       | 18.95                     | 20.0                   | 20.0          |  |
| Channel          |            |         |           | 509200                   | 518598                      | 528096                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        | MPR (dB)      |  |
| 90               | QPSK       | 1       | 1         | 23.06                    | 23.02                       | 23.07                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 507204                   | 518598                      | 529998                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2536.02                  | 2592.99                     | 2649.99                   |                        | (dB)          |  |
| 80               | QPSK       | 1       | 1         | 23.07                    | 23.01                       | 23.11                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 506202                   | 518598                      | 531000                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2531.01                  | 2592.99                     | 2655                      |                        | (dB)          |  |
| 70               | QPSK       | 1       | 1         | 23.05                    | 23.02                       | 23.09                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 505200                   | 518598                      | 531996                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2526                     | 2592.99                     | 2659.98                   |                        | (dB)          |  |
| 60               | QPSK       | 1       | 1         | 23.08                    | 23.06                       | 23.06                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 504204                   | 518598                      | 532998                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   |                        | (dB)          |  |
| 50               | QPSK       | 1       | 1         | 23.06                    | 23.01                       | 23.08                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 503202                   | 518598                      | 534000                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        | (dB)          |  |
| 40               | QPSK       | 1       | 1         | 23.02                    | 23.08                       | 23.04                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 502200                   | 518598                      | 534996                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2511                     | 2592.99                     | 2674.98                   |                        | (dB)          |  |
| 30               | QPSK       | 1       | 1         | 23.05                    | 23.06                       | 23.10                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 501204                   | 519598                      | 535998                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        | (dB)          |  |
| 20               | QPSK       | 1       | 1         | 23.03                    | 23.09                       | 23.06                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 500700                   | 518598                      | 536496                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2503.5                   | 2592.99                     | 2682.48                   |                        | (dB)          |  |
| 15               | QPSK       | 1       | 1         | 23.05                    | 23.01                       | 23.11                     | 24.5                   | 0.0           |  |
| Channel          |            |         |           | 500202                   | 518598                      | 537000                    |                        | Tune-up limit |  |
| Frequency (MHz)  |            |         |           | 2501.01                  | 2592.99                     | 2685                      |                        | (dB)          |  |
| 10               | QPSK       | 1       | 1         | 23.01                    | 23.08                       | 23.04                     | 24.5                   | 0.0           |  |

| Par270 n77 Ant2 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 3750                  | 3840                     | 3930                   | 22.0                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 65000                 | 65600                    | 66200                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 20.65                 | 20.82                    | 20.86                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 20.79                 | 20.95                    | 20.62                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 20.78                 | 20.93                    | 20.84                  | 22.0                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 20.72                 | 21.00                    | 20.76                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 20.69                 | 20.85                    | 20.68                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 20.62                 | 20.85                    | 20.77                  |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 20.69                 | 20.91                    | 20.79                  | 22.0                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 20.64                 | 20.94                    | 20.80                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 20.79                 | 21.05                    | 20.84                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 20.60                 | 20.94                    | 20.80                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 20.60                 | 20.96                    | 20.86                  | 22.0                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 20.81                 | 21.02                    | 20.65                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 20.63                 | 20.91                    | 20.80                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 20.73                 | 20.86                    | 20.64                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 20.78                 | 21.00                    | 20.68                  | 22.0                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 20.34                 | 20.57                    | 20.30                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 18.28                 | 18.48                    | 18.38                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 18.28                 | 18.48                    | 18.38                  |                     |          |  |
| Channel              |            |         |           | 649668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                | 22.0                | 0.0      |  |
| 90                   | QPSK       | 1       | 1         | 20.74                 | 20.88                    | 20.81                  |                     |          |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 |                     | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 20.62                 | 20.90                    | 20.81                  |                     | 22.0     |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   |                     |          |  |
| 70                   | QPSK       | 1       | 1         | 20.57                 | 20.84                    | 20.80                  |                     | 22.0     |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 20.63                 | 21.00                    | 20.84                  |                     | 22.0     |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |
| 50                   | QPSK       | 1       | 1         | 20.66                 | 21.02                    | 20.80                  |                     | 22.0     |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 20.63                 | 20.84                    | 20.78                  |                     | 22.0     |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                   | QPSK       | 1       | 1         | 20.73                 | 20.88                    | 20.84                  |                     | 22.0     |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 20.67                 | 20.94                    | 20.83                  |                     | 22.0     |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                   | QPSK       | 1       | 1         | 20.61                 | 21.02                    | 20.66                  |                     | 22.0     |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 20.78                 | 20.89                    | 20.66                  |                     | 22.0     |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |
| 10                   | QPSK       | 1       | 1         | 20.76                 | 20.88                    | 20.77                  |                     | 22.0     |  |

| Part27Q n77 Ant2 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                       |                          | 3500.01                | 22.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                       |                          | 633334                 |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                       |                          | 21.10                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                       |                          | 21.14                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                       |                          | 21.17                  | 22.0                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                       |                          | 21.06                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                       |                          | 21.28                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                       |                          | 21.18                  |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                       |                          | 21.18                  | 22.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                       |                          | 21.27                  |                     |          |  |
| 100                   | QPSK       | 1       | 137       |                       |                          | 21.30                  |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       |                          | 21.17                  |                     |          |  |
| 100                   | QPSK       | 135     | 0         |                       |                          | 21.11                  | 22.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 69        |                       |                          | 21.15                  |                     |          |  |
| 100                   | QPSK       | 135     | 138       |                       |                          | 21.14                  |                     |          |  |
| 100                   | QPSK       | 270     | 0         |                       |                          | 21.28                  |                     |          |  |
| 100                   | 16QAM      | 1       | 1         |                       |                          | 21.28                  | 22.0                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         |                       |                          | 20.78                  |                     |          |  |
| 100                   | 256QAM     | 1       | 1         |                       |                          | 18.30                  |                     |          |  |
| 100                   | 256QAM     | 1       | 1         |                       |                          | 18.30                  |                     |          |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                | 22.0                | 0.0      |  |
| 90                    | QPSK       | 1       | 1         | 21.14                 | 20.98                    | 21.17                  |                     |          |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 |                     | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 21.01                 | 21.01                    | 21.14                  |                     | 22.0     |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                    | QPSK       | 1       | 1         | 21.05                 | 20.94                    | 21.01                  |                     | 22.0     |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 21.02                 | 20.95                    | 21.10                  |                     | 22.0     |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                    | QPSK       | 1       | 1         | 21.05                 | 20.96                    | 21.00                  |                     | 22.0     |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 21.08                 | 21.08                    | 21.03                  |                     | 22.0     |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                    | QPSK       | 1       | 1         | 20.97                 | 21.03                    | 21.18                  |                     | 22.0     |  |
| Channel               |            |         |           | 630634                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 20.97                 | 21.00                    | 21.00                  |                     | 22.0     |  |
| Channel               |            |         |           | 630368                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                    | QPSK       | 1       | 1         | 21.03                 | 20.96                    | 21.03                  |                     | 22.0     |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 21.05                 | 21.08                    | 21.01                  |                     | 22.0     |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                    | QPSK       | 1       | 1         | 20.95                 | 20.98                    | 21.07                  |                     | 22.0     |  |

| Part270 n78 PC2/3 Ant2 DSI3 |            |         |           |                          |                             |                           |                        |             |  |
|-----------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                     |            |         |           | 650000                   | 650000                      | 650000                    | 23.0                   | 0.0         |  |
| Frequency (MHz)             |            |         |           | 3750                     | 3750                        | 3750                      |                        |             |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                          | 22.08                       |                           |                        |             |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                          | 22.17                       |                           |                        |             |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                          | 22.11                       |                           | 23.0                   | 0.0         |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                          | 22.12                       |                           |                        |             |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                          | 22.28                       |                           |                        |             |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                          | 22.18                       |                           |                        |             |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                          | 22.08                       |                           | 23.0                   | 0.0         |  |
| 100                         | QPSK       | 1       | 1         |                          | 22.12                       |                           |                        |             |  |
| 100                         | QPSK       | 1       | 137       |                          | 22.31                       |                           |                        |             |  |
| 100                         | QPSK       | 1       | 271       |                          | 22.14                       |                           |                        |             |  |
| 100                         | QPSK       | 135     | 0         |                          | 22.12                       |                           | 23.0                   | 0.0         |  |
| 100                         | QPSK       | 135     | 69        |                          | 22.26                       |                           |                        |             |  |
| 100                         | QPSK       | 135     | 138       |                          | 22.14                       |                           |                        |             |  |
| 100                         | QPSK       | 270     | 0         |                          | 22.12                       |                           |                        |             |  |
| 100                         | 16QAM      | 1       | 1         |                          | 22.09                       |                           | 23.0                   | 0.0         |  |
| 100                         | 64QAM      | 1       | 1         |                          | 22.03                       |                           |                        |             |  |
| 100                         | 256QAM     | 1       | 1         |                          | 20.56                       |                           |                        |             |  |
| Channel                     |            |         |           | 649668                   | 650000                      | 650334                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)             |            |         |           | 3745.02                  | 3750                        | 3755.01                   |                        |             |  |
| 90 QPSK                     |            |         |           | 22.06                    | 22.03                       | 22.04                     |                        |             |  |
| Channel                     |            |         |           | 649334                   | 650000                      | 650668                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)             |            |         |           | 3740.01                  | 3750                        | 3760.02                   |                        |             |  |
| 80 QPSK                     |            |         |           | 22.06                    | 22.12                       | 22.08                     |                        | 23.0        |  |
| Channel                     |            |         |           | 649000                   | 650000                      | 651000                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3735                     | 3750                        | 3765                      |                        |             |  |
| 70 QPSK                     |            |         |           | 22.04                    | 22.07                       | 22.09                     |                        | 23.0        |  |
| Channel                     |            |         |           | 648668                   | 650000                      | 651334                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3730.02                  | 3750                        | 3770.01                   |                        |             |  |
| 60 QPSK                     |            |         |           | 22.01                    | 22.11                       | 22.16                     |                        | 23.0        |  |
| Channel                     |            |         |           | 648334                   | 650000                      | 651668                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3725.01                  | 3750                        | 3775.02                   |                        |             |  |
| 50 QPSK                     |            |         |           | 22.08                    | 22.05                       | 22.03                     |                        | 23.0        |  |
| Channel                     |            |         |           | 648000                   | 650000                      | 652000                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3720                     | 3750                        | 3780                      |                        |             |  |
| 40 QPSK                     |            |         |           | 22.05                    | 22.04                       | 22.08                     |                        | 23.0        |  |
| Channel                     |            |         |           | 647668                   | 650000                      | 652334                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3715.02                  | 3750                        | 3785.01                   |                        |             |  |
| 30 QPSK                     |            |         |           | 22.06                    | 22.02                       | 22.01                     |                        | 23.0        |  |
| Channel                     |            |         |           | 647500                   | 650000                      | 652500                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3712.5                   | 3750                        | 3787.5                    |                        |             |  |
| 25 QPSK                     |            |         |           | 22.08                    | 22.03                       | 22.05                     |                        | 23.0        |  |
| Channel                     |            |         |           | 647334                   | 650000                      | 652668                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3710.01                  | 3750                        | 3790.02                   |                        |             |  |
| 20 QPSK                     |            |         |           | 22.06                    | 22.10                       | 22.02                     |                        | 23.0        |  |
| Channel                     |            |         |           | 647168                   | 650000                      | 652834                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3707.52                  | 3750                        | 3792.51                   |                        |             |  |
| 15 QPSK                     |            |         |           | 22.08                    | 22.04                       | 22.01                     |                        | 23.0        |  |
| Channel                     |            |         |           | 647000                   | 650000                      | 653000                    |                        |             |  |
| Frequency (MHz)             |            |         |           | 3705                     | 3750                        | 3795                      |                        |             |  |
| 10 QPSK                     |            |         |           | 22.06                    | 22.12                       | 22.10                     |                        | 23.0        |  |

| Part27Q 78 PC2/3 Ant2 DSI3 |            |         |           |                          |                             |                           |                        |             |  |
|----------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                    |            |         |           | 633334                   |                             |                           | 23.0                   | 0.0         |  |
| Frequency (MHz)            |            |         |           | 3500.01                  |                             |                           |                        |             |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                          | 22.19                       |                           |                        |             |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                          | 22.29                       |                           |                        |             |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                          | 22.21                       |                           | 23.0                   | 0.0         |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                          | 22.32                       |                           |                        |             |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                          | 22.39                       |                           |                        |             |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                          | 22.20                       |                           |                        |             |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                          | 22.36                       |                           | 23.0                   | 0.0         |  |
| 100                        | QPSK       | 1       | 1         |                          | 22.21                       |                           |                        |             |  |
| 100                        | QPSK       | 1       | 137       |                          | 22.44                       |                           |                        |             |  |
| 100                        | QPSK       | 1       | 271       |                          | 22.29                       |                           |                        |             |  |
| 100                        | QPSK       | 135     | 0         |                          | 22.34                       |                           | 23.0                   | 0.0         |  |
| 100                        | QPSK       | 135     | 69        |                          | 22.41                       |                           |                        |             |  |
| 100                        | QPSK       | 135     | 138       |                          | 22.25                       |                           |                        |             |  |
| 100                        | QPSK       | 270     | 0         |                          | 22.37                       |                           |                        |             |  |
| 100                        | 16QAM      | 1       | 1         |                          | 22.21                       |                           | 23.0                   | 0.0         |  |
| 100                        | 64QAM      | 1       | 1         |                          | 22.17                       |                           |                        |             |  |
| 100                        | 256QAM     | 1       | 1         |                          | 21.43                       |                           |                        |             |  |
| Channel                    |            |         |           | 633000                   | 633334                      | 633668                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)            |            |         |           | 3495                     | 3500.01                     | 3505.02                   |                        |             |  |
| 90 QPSK                    |            |         |           | 22.18                    | 22.17                       | 22.21                     |                        |             |  |
| Channel                    |            |         |           | 632668                   | 633334                      | 634000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)            |            |         |           | 3490.02                  | 3500.01                     | 3510                      |                        |             |  |
| 80 QPSK                    |            |         |           | 22.21                    | 22.22                       | 22.15                     |                        | 23.0        |  |
| Channel                    |            |         |           | 632334                   | 633334                      | 634334                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3485.01                  | 3500.01                     | 3515.01                   |                        |             |  |
| 70 QPSK                    |            |         |           | 22.18                    | 22.19                       | 22.14                     |                        | 23.0        |  |
| Channel                    |            |         |           | 632000                   | 633334                      | 634668                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3480                     | 3500.01                     | 3520.02                   |                        |             |  |
| 60 QPSK                    |            |         |           | 22.15                    | 22.18                       | 22.15                     |                        | 23.0        |  |
| Channel                    |            |         |           | 631668                   | 633334                      | 635000                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3475.02                  | 3500.01                     | 3525                      |                        |             |  |
| 50 QPSK                    |            |         |           | 22.16                    | 22.15                       | 22.14                     |                        | 23.0        |  |
| Channel                    |            |         |           | 631334                   | 633334                      | 635334                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3470.01                  | 3500.01                     | 3530.01                   |                        |             |  |
| 40 QPSK                    |            |         |           | 22.15                    | 22.14                       | 22.20                     |                        | 23.0        |  |
| Channel                    |            |         |           | 631000                   | 633334                      | 635668                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3465                     | 3500.01                     | 3535.02                   |                        |             |  |
| 30 QPSK                    |            |         |           | 22.17                    | 22.16                       | 22.21                     |                        | 23.0        |  |
| Channel                    |            |         |           | 630634                   | 633334                      | 635934                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3462.51                  | 3500.01                     | 3537.51                   |                        |             |  |
| 25 QPSK                    |            |         |           | 22.21                    | 22.16                       | 22.17                     |                        | 23.0        |  |
| Channel                    |            |         |           | 630668                   | 633334                      | 636000                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3460.02                  | 3500.01                     | 3540                      |                        |             |  |
| 20 QPSK                    |            |         |           | 22.14                    | 22.21                       | 22.18                     |                        | 23.0        |  |
| Channel                    |            |         |           | 630500                   | 633334                      | 636168                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3457.5                   | 3500.01                     | 3542.52                   |                        |             |  |
| 15 QPSK                    |            |         |           | 22.17                    | 22.15                       | 22.20                     |                        | 23.0        |  |
| Channel                    |            |         |           | 630334                   | 633334                      | 636334                    |                        |             |  |
| Frequency (MHz)            |            |         |           | 3455.01                  | 3500.01                     | 3545.01                   |                        |             |  |
| 10 QPSK                    |            |         |           | 22.20                    | 22.21                       | 22.19                     |                        | 23.0        |  |

| Par270 n77 Ant3 DSI3 |            |         |           |                          |                             |                           |                        |             |  |
|----------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel              |            |         |           | 650000                   | 656000                      | 662000                    | 20.0                   | 0.0         |  |
| Frequency (MHz)      |            |         |           | 3750                     | 3840                        | 3930                      |                        |             |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 19.22                    | 19.29                       | 19.30                     |                        |             |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 19.05                    | 19.35                       | 19.29                     |                        |             |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 19.17                    | 19.37                       | 19.21                     | 20.0                   | 0.0         |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 19.10                    | 19.36                       | 19.20                     |                        |             |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 19.07                    | 19.48                       | 19.27                     |                        |             |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 19.08                    | 19.33                       | 19.23                     |                        |             |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 19.14                    | 19.34                       | 19.21                     | 20.0                   | 0.0         |  |
| 100                  | QPSK       | 1       | 1         | 19.13                    | 19.48                       | 19.36                     |                        |             |  |
| 100                  | QPSK       | 1       | 137       | 19.26                    | 19.50                       | 19.42                     |                        |             |  |
| 100                  | QPSK       | 1       | 271       | 19.07                    | 19.32                       | 19.37                     |                        |             |  |
| 100                  | QPSK       | 135     | 0         | 19.14                    | 19.45                       | 19.29                     | 20.0                   | 0.0         |  |
| 100                  | QPSK       | 135     | 69        | 19.23                    | 19.46                       | 19.42                     |                        |             |  |
| 100                  | QPSK       | 135     | 138       | 19.09                    | 19.43                       | 19.39                     |                        |             |  |
| 100                  | QPSK       | 270     | 0         | 19.11                    | 19.30                       | 19.29                     |                        |             |  |
| 100                  | 16QAM      | 1       | 1         | 19.18                    | 19.37                       | 19.43                     | 20.0                   | 0.0         |  |
| 100                  | 64QAM      | 1       | 1         | 18.74                    | 19.07                       | 18.93                     |                        |             |  |
| 100                  | 256QAM     | 1       | 1         | 18.66                    | 18.87                       | 18.93                     |                        |             |  |
| Channel              |            |         |           | 649668                   | 656000                      | 662334                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3745.02                  | 3840                        | 3935.01                   | (dBm)                  | MPR (dB)    |  |
| 90                   | QPSK       | 1       | 1         | 19.23                    | 19.46                       | 19.40                     | 20.0                   | 0.0         |  |
| Channel              |            |         |           | 649334                   | 656000                      | 662668                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3740.01                  | 3840                        | 3940.02                   |                        |             |  |
| 80                   | QPSK       | 1       | 1         | 19.12                    | 19.44                       | 19.22                     |                        | 20.0        |  |
| Channel              |            |         |           | 649000                   | 656000                      | 663000                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3735                     | 3840                        | 3945                      |                        |             |  |
| 70                   | QPSK       | 1       | 1         | 19.07                    | 19.34                       | 19.39                     |                        | 20.0        |  |
| Channel              |            |         |           | 648668                   | 656000                      | 663334                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3730.02                  | 3840                        | 3950.01                   |                        |             |  |
| 60                   | QPSK       | 1       | 1         | 19.23                    | 19.42                       | 19.37                     | 20.0                   | 0.0         |  |
| Channel              |            |         |           | 648334                   | 656000                      | 663668                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3725.01                  | 3840                        | 3955.02                   |                        |             |  |
| 50                   | QPSK       | 1       | 1         | 19.20                    | 19.36                       | 19.38                     |                        | 20.0        |  |
| Channel              |            |         |           | 648000                   | 656000                      | 664000                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3720                     | 3840                        | 3960                      |                        |             |  |
| 40                   | QPSK       | 1       | 1         | 19.19                    | 19.26                       | 19.31                     | 20.0                   | 0.0         |  |
| Channel              |            |         |           | 647668                   | 656000                      | 664334                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3715.02                  | 3840                        | 3965.01                   |                        |             |  |
| 30                   | QPSK       | 1       | 1         | 19.04                    | 19.32                       | 19.25                     |                        | 20.0        |  |
| Channel              |            |         |           | 647500                   | 656000                      | 664500                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3712.5                   | 3840                        | 3967.5                    |                        |             |  |
| 25                   | QPSK       | 1       | 1         | 19.20                    | 19.37                       | 19.38                     | 20.0                   | 0.0         |  |
| Channel              |            |         |           | 647234                   | 656000                      | 664668                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3710.01                  | 3840                        | 3970.02                   |                        |             |  |
| 20                   | QPSK       | 1       | 1         | 19.11                    | 19.33                       | 19.29                     |                        | 20.0        |  |
| Channel              |            |         |           | 647168                   | 656000                      | 664834                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3707.52                  | 3840                        | 3972.51                   |                        |             |  |
| 15                   | QPSK       | 1       | 1         | 19.20                    | 19.36                       | 19.35                     | 20.0                   | 0.0         |  |
| Channel              |            |         |           | 647000                   | 656000                      | 665000                    |                        |             |  |
| Frequency (MHz)      |            |         |           | 3705                     | 3840                        | 3975                      |                        |             |  |
| 10                   | QPSK       | 1       | 1         | 19.24                    | 19.33                       | 19.41                     |                        | 20.0        |  |

| Part27Q n77 Ant3 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (dB) |  |
| Channel               |            |         |           | 633000                |                          | 3500.01                | 20.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           | 19.37                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         | 19.37                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       | 19.39                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       | 19.28                 |                          | 20.0                   | 0.0                 |          |  |
| 100                   | PI/2 BPSK  | 135     | 0         | 19.44                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        | 19.36                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       | 19.50                 |                          |                        |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         | 19.36                 |                          | 20.0                   | 0.0                 |          |  |
| 100                   | QPSK       | 1       | 1         | 19.41                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 1       | 137       | 19.52                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 1       | 271       | 19.28                 |                          | 20.0                   | 0.0                 |          |  |
| 100                   | QPSK       | 135     | 0         | 19.38                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 135     | 69        | 19.48                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 135     | 138       | 19.27                 |                          |                        |                     |          |  |
| 100                   | QPSK       | 270     | 0         | 19.39                 |                          | 20.0                   | 0.0                 |          |  |
| 100                   | 16QAM      | 1       | 1         | 19.33                 |                          |                        |                     |          |  |
| 100                   | 64QAM      | 1       | 1         | 19.45                 |                          |                        |                     |          |  |
| 100                   | 256QAM     | 1       | 1         | 16.81                 |                          |                        |                     |          |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dbm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                | 0.0                 |          |  |
| 90                    | QPSK       | 1       | 1         | 19.33                 | 19.41                    | 19.44                  | 20.0                | 0.0      |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 19.23                 | 19.25                    | 19.31                  |                     | 20.0     |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                    | QPSK       | 1       | 1         | 19.44                 | 19.41                    | 19.31                  |                     | 20.0     |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 19.45                 | 19.35                    | 19.38                  | 20.0                | 0.0      |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                    | QPSK       | 1       | 1         | 19.37                 | 19.26                    | 19.27                  |                     | 20.0     |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 19.25                 | 19.26                    | 19.25                  | 20.0                | 0.0      |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                    | QPSK       | 1       | 1         | 19.44                 | 19.35                    | 19.33                  |                     | 20.0     |  |
| Channel               |            |         |           | 630834                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 19.40                 | 19.39                    | 19.25                  | 20.0                | 0.0      |  |
| Channel               |            |         |           | 630568                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                    | QPSK       | 1       | 1         | 19.22                 | 19.36                    | 19.36                  |                     | 20.0     |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 19.21                 | 19.45                    | 19.27                  | 20.0                | 0.0      |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                    | QPSK       | 1       | 1         | 19.31                 | 19.21                    | 19.34                  |                     | 20.0     |  |

| Part270 n78 PC2/3 Ant3 DSI3 |            |         |           |                       |                          |                        |               |      |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------|------|-----|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit | MPR  |     |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 20.0          | 0.0  |     |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |               |      |     |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 19.02                    |                        |               |      |     |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 18.88                    |                        | 20.0          | 0.0  |     |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 19.02                    |                        |               |      |     |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 18.87                    |                        |               |      |     |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 18.81                    |                        | 20.0          | 0.0  |     |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 19.03                    |                        | 20.0          | 0.0  |     |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 18.99                    |                        | 20.0          | 0.0  |     |
| 100                         | QPSK       | 1       | 1         |                       | 19.01                    |                        |               |      |     |
| 100                         | QPSK       | 1       | 137       |                       | 19.05                    |                        |               |      |     |
| 100                         | QPSK       | 1       | 271       |                       | 18.90                    |                        | 20.0          | 0.0  |     |
| 100                         | QPSK       | 135     | 0         |                       | 18.99                    |                        |               |      |     |
| 100                         | QPSK       | 135     | 69        |                       | 19.00                    |                        |               |      |     |
| 100                         | QPSK       | 135     | 138       |                       | 18.94                    |                        | 20.0          | 0.0  |     |
| 100                         | QPSK       | 270     | 0         |                       | 19.01                    |                        | 20.0          | 0.0  |     |
| 100                         | 16QAM      | 1       | 1         |                       | 18.81                    |                        |               |      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 18.87                    |                        |               |      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 18.51                    |                        | 19.5          | 0.5  |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                | (dBm)         | (dB) |     |
| 90                          | QPSK       | 1       | 1         |                       | 18.83                    | 18.93                  | 18.80         | 20.0 | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                | (dBm)         | (dB) |     |
| 80                          | QPSK       | 1       | 1         |                       | 18.82                    | 18.85                  | 18.78         | 20.0 | 0.0 |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   | (dBm)         | (dB) |     |
| 70                          | QPSK       | 1       | 1         |                       | 18.92                    | 18.82                  | 18.83         | 20.0 | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                | (dBm)         | (dB) |     |
| 60                          | QPSK       | 1       | 1         |                       | 18.98                    | 18.92                  | 18.94         | 20.0 | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                | (dBm)         | (dB) |     |
| 50                          | QPSK       | 1       | 1         |                       | 18.85                    | 19.01                  | 19.01         | 20.0 | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   | (dBm)         | (dB) |     |
| 40                          | QPSK       | 1       | 1         |                       | 18.96                    | 18.89                  | 18.81         | 20.0 | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                | (dBm)         | (dB) |     |
| 30                          | QPSK       | 1       | 1         |                       | 18.87                    | 18.81                  | 18.79         | 20.0 | 0.0 |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 | (dBm)         | (dB) |     |
| 25                          | QPSK       | 1       | 1         |                       | 18.93                    | 18.86                  | 19.01         | 20.0 | 0.0 |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                | (dBm)         | (dB) |     |
| 20                          | QPSK       | 1       | 1         |                       | 18.81                    | 18.99                  | 18.86         | 20.0 | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                | (dBm)         | (dB) |     |
| 15                          | QPSK       | 1       | 1         |                       | 18.83                    | 18.94                  | 18.99         | 20.0 | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit | MPR  |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   | (dBm)         | (dB) |     |
| 10                          | QPSK       | 1       | 1         |                       | 18.84                    | 18.78                  | 18.84         | 20.0 | 0.0 |

| Part27Q 78 PC2/3 Ant3 DSI3 |            |         |           |                       |                          |                        |                     |          |     |  |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|--|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Channel                    |            |         |           |                       | 633334                   |                        | 20.0                | 0.0      |     |  |  |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |     |  |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 19.33                    |                        |                     |          |     |  |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 19.47                    |                        | 20.0                | 0.0      |     |  |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 19.31                    |                        |                     |          |     |  |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 19.25                    |                        | 20.0                | 0.0      |     |  |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 19.39                    |                        | 20.0                | 0.0      |     |  |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 19.37                    |                        | 20.0                | 0.0      |     |  |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 19.46                    |                        | 20.0                | 0.0      |     |  |  |
| 100                        | QPSK       | 1       | 1         |                       | 19.44                    |                        |                     |          |     |  |  |
| 100                        | QPSK       | 1       | 137       |                       | 19.48                    |                        |                     | 0.0      |     |  |  |
| 100                        | QPSK       | 1       | 271       |                       | 19.47                    |                        | 20.0                |          |     |  |  |
| 100                        | QPSK       | 135     | 0         |                       | 19.40                    |                        |                     |          |     |  |  |
| 100                        | QPSK       | 135     | 69        |                       | 19.42                    |                        | 20.0                | 0.0      |     |  |  |
| 100                        | QPSK       | 135     | 138       |                       | 19.34                    |                        | 20.0                | 0.0      |     |  |  |
| 100                        | QPSK       | 270     | 0         |                       | 19.31                    |                        | 20.0                | 0.0      |     |  |  |
| 100                        | 16QAM      | 1       | 1         |                       | 19.29                    |                        |                     |          |     |  |  |
| 100                        | 64QAM      | 1       | 1         |                       | 19.35                    |                        |                     | 0.0      |     |  |  |
| 100                        | 256QAM     | 1       | 1         |                       | 19.04                    |                        | 19.5                | 0.5      |     |  |  |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |  |  |
| 90                         | QPSK       | 1       | 1         |                       | 19.31                    | 19.30                  | 19.24               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510.01                |                     |          |     |  |  |
| 80                         | QPSK       | 1       | 1         |                       | 19.39                    | 19.46                  | 19.42               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |  |  |
| 70                         | QPSK       | 1       | 1         |                       | 19.37                    | 19.32                  | 19.37               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |  |  |
| 60                         | QPSK       | 1       | 1         |                       | 19.43                    | 19.37                  | 19.29               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525.01                |                     |          |     |  |  |
| 50                         | QPSK       | 1       | 1         |                       | 19.32                    | 19.28                  | 19.24               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |  |  |
| 40                         | QPSK       | 1       | 1         |                       | 19.31                    | 19.42                  | 19.34               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |  |  |
| 30                         | QPSK       | 1       | 1         |                       | 19.33                    | 19.33                  | 19.26               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |     |  |  |
| 25                         | QPSK       | 1       | 1         |                       | 19.44                    | 19.41                  | 19.32               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 630568                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |  |  |
| 20                         | QPSK       | 1       | 1         |                       | 19.28                    | 19.31                  | 19.36               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |  |  |
| 15                         | QPSK       | 1       | 1         |                       | 19.46                    | 19.44                  | 19.45               | 20.0     | 0.0 |  |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |  |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |  |  |
| 10                         | QPSK       | 1       | 1         |                       | 19.36                    | 19.35                  | 19.42               | 20.0     | 0.0 |  |  |

| Par270 n77 Ant4 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 | 19.7                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 19.47                 | 19.51                    | 19.35                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 19.31                 | 19.57                    | 19.43                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 19.46                 | 19.56                    | 19.51                  | 19.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 19.36                 | 19.40                    | 19.38                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 19.48                 | 19.38                    | 19.51                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 19.34                 | 19.42                    | 19.30                  |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 19.33                 | 19.43                    | 19.48                  | 19.7                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 19.35                 | 19.55                    | 19.31                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 19.48                 | 19.66                    | 19.52                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 19.29                 | 19.57                    | 19.46                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 19.33                 | 19.48                    | 19.46                  | 19.7                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 19.50                 | 19.61                    | 19.52                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 19.27                 | 19.60                    | 19.43                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 19.39                 | 19.45                    | 19.41                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 19.43                 | 19.45                    | 19.36                  | 19.7                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 19.35                 | 19.57                    | 19.35                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 19.27                 | 19.49                    | 19.32                  |                     |          |  |
| Channel              |            |         |           | 649668                | 656000                   | 663334                 |                     | 19.7     |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |          |  |
| 90                   | QPSK       | 1       | 1         | 19.40                 | 19.51                    | 19.52                  |                     |          |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 | 19.7                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 19.34                 | 19.49                    | 19.45                  |                     | 19.7     |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   |                     |          |  |
| 70                   | QPSK       | 1       | 1         | 19.30                 | 19.59                    | 19.39                  |                     | 19.7     |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 19.36                 | 19.45                    | 19.54                  |                     | 19.7     |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |
| 50                   | QPSK       | 1       | 1         | 19.40                 | 19.45                    | 19.31                  |                     | 19.7     |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 19.27                 | 19.43                    | 19.34                  |                     | 19.7     |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                   | QPSK       | 1       | 1         | 19.49                 | 19.57                    | 19.51                  |                     | 19.7     |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 19.43                 | 19.57                    | 19.45                  |                     | 19.7     |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                   | QPSK       | 1       | 1         | 19.49                 | 19.40                    | 19.30                  |                     | 19.7     |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 19.26                 | 19.48                    | 19.49                  |                     | 19.7     |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |
| 10                   | QPSK       | 1       | 1         | 19.47                 | 19.60                    | 19.38                  |                     | 19.7     |  |

| Part27Q n77 Ant4 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                       |                          | 3500.01                | 19.7                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                       |                          | 3500.01                |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                       |                          | 19.57                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                       |                          | 19.50                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                       |                          | 19.44                  | 19.7                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                       |                          | 19.56                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                       |                          | 19.46                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                       |                          | 19.51                  |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                       |                          | 19.48                  | 19.7                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                       |                          | 19.57                  |                     |          |  |
| 100                   | QPSK       | 1       | 137       |                       |                          | 19.63                  |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       |                          | 19.60                  |                     |          |  |
| 100                   | QPSK       | 135     | 0         |                       |                          | 19.53                  | 19.7                | 0.0      |  |
| 100                   | QPSK       | 135     | 69        |                       |                          | 19.55                  |                     |          |  |
| 100                   | QPSK       | 135     | 138       |                       |                          | 19.43                  |                     |          |  |
| 100                   | QPSK       | 270     | 0         |                       |                          | 19.43                  |                     |          |  |
| 100                   | 16QAM      | 1       | 1         |                       |                          | 19.62                  | 19.7                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         |                       |                          | 19.42                  |                     |          |  |
| 100                   | 256QAM     | 1       | 1         |                       |                          | 19.47                  |                     |          |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 |                     | 19.7     |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                    | QPSK       | 1       | 1         | 19.35                 | 19.22                    | 19.29                  |                     | 19.7     |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 19.21                 | 19.43                    | 19.19                  |                     | 19.7     |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                    | QPSK       | 1       | 1         | 19.37                 | 19.42                    | 19.35                  |                     | 19.7     |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 19.37                 | 19.38                    | 19.37                  |                     | 19.7     |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                    | QPSK       | 1       | 1         | 19.40                 | 19.42                    | 19.23                  |                     | 19.7     |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 19.32                 | 19.39                    | 19.22                  |                     | 19.7     |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                    | QPSK       | 1       | 1         | 19.38                 | 19.38                    | 19.25                  |                     | 19.7     |  |
| Channel               |            |         |           | 630634                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 19.39                 | 19.33                    | 19.42                  |                     | 19.7     |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                    | QPSK       | 1       | 1         | 19.33                 | 19.28                    | 19.40                  |                     | 19.7     |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 19.42                 | 19.19                    | 19.27                  |                     | 19.7     |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                    | QPSK       | 1       | 1         | 19.37                 | 19.31                    | 19.31                  |                     | 19.7     |  |

| Part270 n78 PC2/3 Ant4 DSI3 |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 20.0                | 0.0      |     |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 19.47                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 19.61                    |                        | 20.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 19.55                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 19.42                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 19.48                    |                        | 20.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 19.46                    |                        | 20.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 19.60                    |                        | 20.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 19.59                    |                        | 20.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 137       |                       | 19.63                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 19.54                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 0         |                       | 19.48                    |                        | 20.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 69        |                       | 19.50                    |                        | 20.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 138       |                       | 19.49                    |                        | 20.0                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 19.56                    |                        | 20.0                | 0.0      |     |
| 100                         | 16QAM      | 1       | 1         |                       | 19.47                    |                        | 20.0                | 0.0      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 19.48                    |                        | 20.0                | 0.0      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 19.47                    |                        | 20.0                | 0.0      |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 19.35                    | 19.41                  | 19.44               | 20.0     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 19.43                    | 19.54                  | 19.44               | 20.0     | 0.0 |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 19.37                    | 19.33                  | 19.41               | 20.0     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 19.36                    | 19.51                  | 19.36               | 20.0     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 19.35                    | 19.41                  | 19.32               | 20.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 19.50                    | 19.53                  | 19.51               | 20.0     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 19.43                    | 19.54                  | 19.49               | 20.0     | 0.0 |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 19.47                    | 19.52                  | 19.50               | 20.0     | 0.0 |
| Channel                     |            |         |           | 647234                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |
| 20                          | QPSK       | 1       | 1         |                       | 19.54                    | 19.39                  | 19.41               | 20.0     | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 19.35                    | 19.48                  | 19.31               | 20.0     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 19.34                    | 19.40                  | 19.33               | 20.0     | 0.0 |

| Part27Q 78 PC2/3 Ant4 DSI3 |            |         |           |                       |                          |                        |                     |          |     |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                    |            |         |           |                       |                          | 633334                 | 20.0                | 0.0      |     |
| Frequency (MHz)            |            |         |           |                       |                          | 3500.01                |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 19.66                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 19.68                    |                        | 20.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 19.60                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 19.70                    |                        |                     | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 19.71                    |                        | 20.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 19.53                    |                        | 20.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 19.73                    |                        | 20.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 1         |                       | 19.53                    |                        | 20.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 137       |                       | 19.74                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 271       |                       | 19.67                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 0         |                       | 19.70                    |                        | 20.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 69        |                       | 19.72                    |                        | 20.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 138       |                       | 19.56                    |                        | 20.0                | 0.0      |     |
| 100                        | QPSK       | 270     | 0         |                       | 19.70                    |                        | 20.0                | 0.0      |     |
| 100                        | 16QAM      | 1       | 1         |                       | 19.66                    |                        | 20.0                | 0.0      |     |
| 100                        | 64QAM      | 1       | 1         |                       | 19.55                    |                        | 20.0                | 0.0      |     |
| 100                        | 256QAM     | 1       | 1         |                       | 19.68                    |                        | 20.0                | 0.0      |     |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90                         | QPSK       | 1       | 1         |                       | 19.62                    | 19.50                  | 19.67               | 20.0     | 0.0 |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |     |
| 80                         | QPSK       | 1       | 1         |                       | 19.63                    | 19.48                  | 19.55               | 20.0     | 0.0 |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |
| 70                         | QPSK       | 1       | 1         |                       | 19.50                    | 19.46                  | 19.43               | 20.0     | 0.0 |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60                         | QPSK       | 1       | 1         |                       | 19.49                    | 19.44                  | 19.56               | 20.0     | 0.0 |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50                         | QPSK       | 1       | 1         |                       | 19.53                    | 19.47                  | 19.58               | 20.0     | 0.0 |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40                         | QPSK       | 1       | 1         |                       | 19.53                    | 19.47                  | 19.61               | 20.0     | 0.0 |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30                         | QPSK       | 1       | 1         |                       | 19.60                    | 19.67                  | 19.46               | 20.0     | 0.0 |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |     |
| 25                         | QPSK       | 1       | 1         |                       | 19.50                    | 19.46                  | 19.58               | 20.0     | 0.0 |
| Channel                    |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20                         | QPSK       | 1       | 1         |                       | 19.50                    | 19.52                  | 19.62               | 20.0     | 0.0 |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15                         | QPSK       | 1       | 1         |                       | 19.47                    | 19.49                  | 19.57               | 20.0     | 0.0 |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10                         | QPSK       | 1       | 1         |                       | 19.62                    | 19.47                  | 19.53               | 20.0     | 0.0 |

| n7 Ant5 DSI3    |            |         |           |                      |                         |                       |                     |          |
|-----------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000               | 507000                  | 509000                | 21.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                 | 2535                    | 2545                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 19.88                | 19.99                   | 19.89                 | 21.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 67        | 19.89                | 19.89                   | 19.81                 |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 19.73                | 19.87                   | 19.69                 |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 19.86                | 19.83                   | 19.69                 | 21.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 35        | 19.73                | 20.02                   | 19.85                 | 21.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 19.83                | 20.03                   | 19.70                 | 21.0                | 0.0      |
| 50              | PI/2 BPSK  | 128     | 0         | 19.77                | 19.92                   | 19.68                 | 21.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 19.89                | 20.05                   | 19.89                 |                     |          |
| 50              | QPSK       | 1       | 67        | 19.88                | 19.91                   | 19.86                 |                     |          |
| 50              | QPSK       | 1       | 131       | 19.79                | 19.83                   | 19.70                 | 20.0                | 1.0      |
| 50              | QPSK       | 64      | 0         | 19.68                | 19.84                   | 19.83                 |                     |          |
| 50              | QPSK       | 64      | 35        | 19.83                | 19.95                   | 19.91                 |                     |          |
| 50              | QPSK       | 64      | 69        | 19.77                | 19.85                   | 19.88                 | 20.0                | 1.0      |
| 50              | QPSK       | 128     | 0         | 19.75                | 19.92                   | 19.73                 |                     |          |
| 50              | 16QAM      | 1       | 1         | 19.68                | 20.00                   | 19.71                 | 21.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         | 19.82                | 20.00                   | 19.69                 | 21.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         | 19.30                | 19.42                   | 19.50                 | 20.5                | 0.5      |
| Channel         |            |         |           | 508000               | 507000                  | 510000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                 | 2535                    | 2550                  |                     |          |
| 40              | QPSK       | 1       | 1         | 19.86                | 19.94                   | 19.76                 | 21.0                | 0.0      |
| Channel         |            |         |           | 503000               | 507000                  | 511000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                 | 2535                    | 2555                  |                     |          |
| 30              | QPSK       | 1       | 1         | 19.78                | 19.89                   | 19.85                 | 21.0                | 0.0      |
| Channel         |            |         |           | 502500               | 507000                  | 511500                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5               | 2535                    | 2557.5                |                     |          |
| 25              | QPSK       | 1       | 1         | 19.73                | 19.97                   | 19.82                 | 21.0                | 0.0      |
| Channel         |            |         |           | 502000               | 507000                  | 512000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                 | 2535                    | 2560                  |                     |          |
| 20              | QPSK       | 1       | 1         | 19.83                | 19.98                   | 19.68                 | 21.0                | 0.0      |
| Channel         |            |         |           | 501500               | 507000                  | 512500                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5               | 2535                    | 2562.5                |                     |          |
| 15              | QPSK       | 1       | 1         | 19.75                | 19.97                   | 19.84                 | 21.0                | 0.0      |
| Channel         |            |         |           | 501000               | 507000                  | 513000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                 | 2535                    | 2565                  |                     |          |
| 10              | QPSK       | 1       | 1         | 19.82                | 19.82                   | 19.76                 | 21.0                | 0.0      |

| n38 Ant5 DSI3   |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 518004                   | 519000                      | 519996                    | 20.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2590.02                  | 2595                        | 2609.98                   |                        |             |
| 40              | PI/2 BPSK  | 1       | 1         | 18.93                    | 19.05                       | 18.99                     | 20.5                   | 0.0         |
| 40              | PI/2 BPSK  | 1       | 53        | 18.89                    | 19.10                       | 18.97                     |                        |             |
| 40              | PI/2 BPSK  | 1       | 104       | 18.93                    | 18.97                       | 19.07                     |                        |             |
| 40              | PI/2 BPSK  | 50      | 0         | 18.77                    | 18.98                       | 19.03                     | 20.5                   | 0.0         |
| 40              | PI/2 BPSK  | 50      | 28        | 18.91                    | 19.12                       | 19.12                     | 20.5                   | 0.0         |
| 40              | PI/2 BPSK  | 50      | 56        | 18.89                    | 19.17                       | 19.00                     | 20.5                   | 0.0         |
| 40              | PI/2 BPSK  | 100     | 0         | 18.82                    | 19.01                       | 18.95                     | 20.5                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 18.78                    | 19.17                       | 19.09                     |                        |             |
| 40              | QPSK       | 1       | 53        | 18.91                    | 19.20                       | 19.12                     |                        |             |
| 40              | QPSK       | 1       | 104       | 18.77                    | 19.02                       | 18.93                     | 20.5                   | 0.0         |
| 40              | QPSK       | 50      | 0         | 18.82                    | 19.06                       | 18.98                     |                        |             |
| 40              | QPSK       | 50      | 28        | 18.82                    | 19.14                       | 19.08                     |                        |             |
| 40              | QPSK       | 50      | 56        | 18.75                    | 18.95                       | 19.13                     | 20.5                   | 0.0         |
| 40              | QPSK       | 100     | 0         | 18.75                    | 19.11                       | 19.10                     |                        |             |
| 40              | 16QAM      | 1       | 1         | 18.81                    | 19.13                       | 19.02                     | 20.5                   | 0.0         |
| 40              | 64QAM      | 1       | 1         | 18.75                    | 18.98                       | 19.09                     | 20.5                   | 0.0         |
| 40              | 256QAM     | 1       | 1         | 18.72                    | 19.14                       | 18.93                     | 20.5                   | 0.0         |
| Channel         |            |         |           | 519102                   | 519000                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2635.01                  | 2595                        | 2604.99                   |                        |             |
| 30              | QPSK       | 1       | 1         | 18.92                    | 18.98                       | 18.94                     | 20.5                   | 0.0         |
| Channel         |            |         |           | 516504                   | 519000                      | 521496                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2582.52                  | 2595                        | 2607.48                   |                        |             |
| 25              | QPSK       | 1       | 1         | 18.76                    | 19.01                       | 18.98                     | 20.5                   | 0.0         |
| Channel         |            |         |           | 516000                   | 519000                      | 522498                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |
| 20              | QPSK       | 1       | 1         | 18.81                    | 19.15                       | 18.93                     | 20.5                   | 0.0         |
| Channel         |            |         |           | 515502                   | 519000                      | 522498                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2577.51                  | 2595                        | 2612.49                   |                        |             |
| 15              | QPSK       | 1       | 1         | 18.93                    | 19.07                       | 19.13                     | 20.5                   | 0.0         |
| Channel         |            |         |           | 515004                   | 519000                      | 522996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2575.02                  | 2595                        | 2614.98                   |                        |             |
| 10              | QPSK       | 1       | 1         | 18.72                    | 19.14                       | 19.14                     | 20.5                   | 0.0         |

| n41 Ant5 DSI3   |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 509202                   | 518598                      | 528000                    | 19.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2546.01                  | 2692.99                     | 2640                      |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         | 17.95                    | 18.17                       | 18.02                     | 19.5                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 137       | 18.04                    | 18.09                       | 18.11                     |                        |             |
| 100             | PI/2 BPSK  | 1       | 271       | 17.93                    | 18.25                       | 18.18                     |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         | 18.04                    | 18.28                       | 18.15                     | 19.5                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        | 18.09                    | 18.19                       | 18.06                     | 19.5                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       | 17.88                    | 18.20                       | 18.13                     | 19.5                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         | 17.90                    | 18.22                       | 18.15                     |                        |             |
| 100             | QPSK       | 1       | 1         | 17.98                    | 18.11                       | 18.18                     |                        |             |
| 100             | QPSK       | 1       | 137       | 18.09                    | 18.29                       | 18.18                     | 19.5                   | 0.0         |
| 100             | QPSK       | 1       | 271       | 17.98                    | 18.25                       | 18.09                     | 19.5                   | 0.0         |
| 100             | QPSK       | 135     | 0         | 18.06                    | 18.22                       | 18.19                     |                        |             |
| 100             | QPSK       | 135     | 69        | 17.99                    | 18.31                       | 17.98                     |                        |             |
| 100             | QPSK       | 135     | 138       | 17.88                    | 18.18                       | 18.19                     | 19.5                   | 0.0         |
| 100             | QPSK       | 270     | 0         | 18.03                    | 18.20                       | 18.14                     |                        |             |
| 100             | 16QAM      | 1       | 1         | 17.98                    | 18.09                       | 17.97                     | 19.5                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 18.07                    | 18.18                       | 18.14                     | 19.5                   | 0.0         |
| 100             | 256QAM     | 1       | 1         | 18.02                    | 18.22                       | 18.08                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 508200                   | 518598                      | 528996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2541                     | 2692.99                     | 2644.98                   |                        |             |
| 90              | QPSK       | 1       | 1         | 17.93                    | 18.12                       | 18.15                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 507204                   | 518598                      | 529998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2536.02                  | 2692.99                     | 2649.99                   |                        |             |
| 80              | QPSK       | 1       | 1         | 17.90                    | 18.10                       | 18.16                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 506202                   | 518598                      | 531000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2531.01                  | 2692.99                     | 2655                      |                        |             |
| 70              | QPSK       | 1       | 1         | 17.96                    | 18.11                       | 18.08                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2526                     | 2692.99                     | 2659.98                   |                        |             |
| 60              | QPSK       | 1       | 1         | 18.08                    | 18.15                       | 18.13                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2521.02                  | 2692.99                     | 2664.99                   |                        |             |
| 50              | QPSK       | 1       | 1         | 17.99                    | 18.11                       | 18.04                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 503202                   | 518598                      | 534000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2516.01                  | 2692.99                     | 2670                      |                        |             |
| 40              | QPSK       | 1       | 1         | 17.88                    | 18.16                       | 18.08                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 502200                   | 518598                      | 534996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2511                     | 2692.99                     | 2674.98                   |                        |             |
| 30              | QPSK       | 1       | 1         | 17.96                    | 18.17                       | 18.00                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 501204                   | 518598                      | 535998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2506.02                  | 2692.99                     | 2679.99                   |                        |             |
| 20              | QPSK       | 1       | 1         | 17.90                    | 18.23                       | 18.09                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 500100                   | 518598                      | 536996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2503.5                   | 2692.99                     | 2682.48                   |                        |             |
| 15              | QPSK       | 1       | 1         | 17.88                    | 18.28                       | 18.19                     | 19.5                   | 0.0         |
| Channel         |            |         |           | 500202                   | 518598                      | 537000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2501.01                  | 2692.99                     | 2685                      |                        |             |
| 10              | QPSK       | 1       | 1         | 17.95                    | 18.16                       | 18.06                     | 19.5                   | 0.0         |

| Par270 n77 Ant5 DSI3 |            |         |           |                       |                          |                        |                     |          |  |                     |          |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|---------------------|----------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |                     |          |                     |          |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 | 18.0                | 0.0      |  |                     |          |                     |          |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |                     |          |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 17.25                 | 17.28                    | 17.09                  |                     |          |  |                     |          |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 17.28                 | 17.28                    | 17.16                  |                     |          |  |                     |          |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 17.26                 | 17.30                    | 17.17                  | 18.0                | 0.0      |  |                     |          |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 17.19                 | 17.41                    | 17.40                  |                     |          |  |                     |          |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 17.26                 | 17.40                    | 17.31                  |                     |          |  |                     |          |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 17.39                 | 17.44                    | 17.28                  |                     |          |  |                     |          |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 17.09                 | 17.25                    | 17.25                  | 18.0                | 0.0      |  |                     |          |                     |          |  |
| 100                  | QPSK       | 1       | 1         | 17.37                 | 17.42                    | 17.42                  |                     |          |  |                     |          |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 17.40                 | 17.50                    | 17.31                  |                     |          |  |                     |          |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 17.22                 | 17.42                    | 17.34                  |                     |          |  |                     |          |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 17.35                 | 17.43                    | 17.41                  | 18.0                | 0.0      |  |                     |          |                     |          |  |
| 100                  | QPSK       | 135     | 69        | 17.23                 | 17.48                    | 17.33                  |                     |          |  |                     |          |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 17.46                 | 17.45                    | 17.38                  |                     |          |  |                     |          |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 17.09                 | 17.25                    | 17.19                  |                     |          |  |                     |          |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 17.34                 | 17.40                    | 17.36                  | 18.0                | 0.0      |  |                     |          |                     |          |  |
| 100                  | 64QAM      | 1       | 1         | 17.26                 | 17.44                    | 17.34                  |                     |          |  |                     |          |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 17.10                 | 17.27                    | 17.08                  |                     |          |  |                     |          |                     |          |  |
| Channel              |            |         |           | 649668                | 656000                   | 662334                 |                     |          |  | Tune-up limit (dBm) | MPR (dB) |                     |          |  |
| 90                   | QPSK       | 1       | 1         | 17.26                 | 17.28                    | 17.45                  | 18.0                | 0.0      |  |                     |          |                     |          |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 |                     |          |  | Tune-up limit (dBm) | MPR (dB) |                     |          |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |                     |          |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 17.35                 | 17.31                    | 17.36                  |                     | 18.0     |  | 0.0                 |          |                     |          |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 |                     |          |  |                     |          | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   |                     |          |  |                     |          |                     |          |  |
| 70                   | QPSK       | 1       | 1         | 17.41                 | 17.33                    | 17.39                  |                     | 18.0     |  | 0.0                 |          |                     |          |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 |                     |          |  |                     |          | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |                     |          |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 17.43                 | 17.44                    | 17.25                  |                     | 18.0     |  | 0.0                 |          |                     |          |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 |                     |          |  |                     |          | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |                     |          |                     |          |  |
| 50                   | QPSK       | 1       | 1         | 17.45                 | 17.42                    | 17.44                  | 18.0                | 0.0      |  |                     |          |                     |          |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 |                     |          |  | Tune-up limit (dBm) | MPR (dB) |                     |          |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |                     |          |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 17.24                 | 17.34                    | 17.24                  |                     | 18.0     |  | 0.0                 |          |                     |          |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 |                     |          |  |                     |          | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |                     |          |                     |          |  |
| 30                   | QPSK       | 1       | 1         | 17.23                 | 17.27                    | 17.26                  | 18.0                | 0.0      |  |                     |          |                     |          |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 |                     |          |  | Tune-up limit (dBm) | MPR (dB) |                     |          |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |                     |          |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 17.45                 | 17.27                    | 17.35                  |                     | 18.0     |  | 0.0                 |          |                     |          |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 |                     |          |  |                     |          | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |                     |          |                     |          |  |
| 20                   | QPSK       | 1       | 1         | 17.27                 | 17.37                    | 17.33                  | 18.0                | 0.0      |  |                     |          |                     |          |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 |                     |          |  | Tune-up limit (dBm) | MPR (dB) |                     |          |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |                     |          |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 17.26                 | 17.40                    | 17.24                  |                     | 18.0     |  | 0.0                 |          |                     |          |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 |                     |          |  |                     |          | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |                     |          |                     |          |  |
| 10                   | QPSK       | 1       | 1         | 17.26                 | 17.30                    | 17.45                  |                     | 18.0     |  | 0.0                 |          |                     |          |  |

| Part27Q n77 Ant5 DS13 |            |         |           |                       |                          |                        |                     |                     |  |          |  |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|----------|--|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |          |  |  |
| Channel               |            |         |           | 633334                |                          | 3500.01                | 18.0                | 0.0                 |  |          |  |  |
| Frequency (MHz)       |            |         |           | 3500.01               |                          |                        |                     |                     |  |          |  |  |
| 100                   | PI/2 BPSK  | 1       | 1         | 17.39                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | PI/2 BPSK  | 1       | 137       | 17.48                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | PI/2 BPSK  | 1       | 271       | 17.46                 |                          | 17.42                  | 18.0                | 0.0                 |  |          |  |  |
| 100                   | PI/2 BPSK  | 135     | 0         | 17.42                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | PI/2 BPSK  | 135     | 69        | 17.50                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | PI/2 BPSK  | 135     | 138       | 17.44                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | PI/2 BPSK  | 270     | 0         | 17.37                 |                          | 17.44                  | 18.0                | 0.0                 |  |          |  |  |
| 100                   | QPSK       | 1       | 1         | 17.44                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | QPSK       | 1       | 137       | 17.54                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | QPSK       | 1       | 271       | 17.43                 |                          | 17.39                  | 18.0                | 0.0                 |  |          |  |  |
| 100                   | QPSK       | 135     | 0         | 17.39                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | QPSK       | 135     | 69        | 17.50                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | QPSK       | 135     | 138       | 17.33                 |                          | 17.45                  |                     |                     |  |          |  |  |
| 100                   | QPSK       | 270     | 0         | 17.45                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | 16QAM      | 1       | 1         | 17.53                 |                          | 17.50                  | 18.0                | 0.0                 |  |          |  |  |
| 100                   | 64QAM      | 1       | 1         | 17.50                 |                          |                        |                     |                     |  |          |  |  |
| 100                   | 256QAM     | 1       | 1         | 17.44                 |                          |                        |                     |                     |  |          |  |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 |                     | Tune-up limit (dBm) |  | MPR (dB) |  |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                | 18.0                |                     |  |          |  |  |
| 90                    | QPSK       | 1       | 1         | 17.41                 | 17.46                    | 17.47                  | 18.0                | 0.0                 |  |          |  |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 |                     |                     |  |          |  |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |                     |  |          |  |  |
| 80                    | QPSK       | 1       | 1         | 17.28                 | 17.47                    | 17.46                  |                     | 18.0                |  |          |  |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 |                     | Tune-up limit (dBm) |  | MPR (dB) |  |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     | 18.0                |  |          |  |  |
| 70                    | QPSK       | 1       | 1         | 17.29                 | 17.43                    | 17.50                  |                     | 18.0                |  |          |  |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     | Tune-up limit (dBm) |  | MPR (dB) |  |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     | 18.0                |  |          |  |  |
| 60                    | QPSK       | 1       | 1         | 17.43                 | 17.43                    | 17.38                  |                     | 18.0                |  |          |  |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 |                     | Tune-up limit (dBm) |  | MPR (dB) |  |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     | 18.0                |  |          |  |  |
| 50                    | QPSK       | 1       | 1         | 17.44                 | 17.28                    | 17.42                  | 18.0                | 0.0                 |  |          |  |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 |                     |                     |  |          |  |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |                     |  |          |  |  |
| 40                    | QPSK       | 1       | 1         | 17.37                 | 17.47                    | 17.48                  |                     | 18.0                |  |          |  |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 |                     | Tune-up limit (dBm) |  | MPR (dB) |  |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     | 18.0                |  |          |  |  |
| 30                    | QPSK       | 1       | 1         | 17.45                 | 17.34                    | 17.49                  | 18.0                | 0.0                 |  |          |  |  |
| Channel               |            |         |           | 630834                | 633334                   | 635834                 |                     |                     |  |          |  |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |                     |  |          |  |  |
| 25                    | QPSK       | 1       | 1         | 17.35                 | 17.32                    | 17.31                  |                     | 18.0                |  |          |  |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 |                     | Tune-up limit (dBm) |  | MPR (dB) |  |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     | 18.0                |  |          |  |  |
| 20                    | QPSK       | 1       | 1         | 17.48                 | 17.27                    | 17.45                  |                     | 18.0                |  |          |  |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 |                     | Tune-up limit (dBm) |  | MPR (dB) |  |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     | 18.0                |  |          |  |  |
| 15                    | QPSK       | 1       | 1         | 17.31                 | 17.31                    | 17.42                  |                     | 18.0                |  |          |  |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 |                     | Tune-up limit (dBm) |  | MPR (dB) |  |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     | 18.0                |  |          |  |  |
| 10                    | QPSK       | 1       | 1         | 17.30                 | 17.43                    | 17.47                  |                     | 18.0                |  |          |  |  |

| Part270 n78 PC2/3 Ant5 DSI3 |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 20.0                | 0.0      |     |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 19.16                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 19.22                    |                        | 20.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 19.07                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 19.13                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 19.06                    |                        | 20.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 19.23                    |                        | 20.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 19.14                    |                        | 20.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 19.23                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 137       |                       | 19.30                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 19.08                    |                        | 20.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 0         |                       | 19.07                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 69        |                       | 19.25                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 138       |                       | 19.18                    |                        | 20.0                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 19.22                    |                        |                     |          |     |
| 100                         | 16QAM      | 1       | 1         |                       | 19.20                    |                        | 20.0                | 0.0      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 19.23                    |                        | 20.0                | 0.0      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 19.15                    |                        | 20.0                | 0.0      |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 18.99                    | 19.07                  | 18.92               | 19.0     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 19.07                    | 19.10                  | 18.88               | 19.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 19.03                    | 19.00                  | 18.88               | 19.0     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 18.93                    | 19.11                  | 18.92               | 19.0     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 18.90                    | 18.92                  | 19.01               | 19.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 18.96                    | 18.91                  | 18.95               | 19.0     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 18.90                    | 19.11                  | 18.94               | 19.0     | 0.0 |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 18.93                    | 18.91                  | 19.11               | 19.0     | 0.0 |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |
| 20                          | QPSK       | 1       | 1         |                       | 18.94                    | 19.10                  | 19.02               | 19.0     | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 19.12                    | 18.97                  | 19.03               | 19.0     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 19.08                    | 18.98                  | 18.93               | 19.0     | 0.0 |

| Part27Q 78 PC2/3 Ant5 DSI3 |            |         |           |                       |                          |                        |                     |          |     |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                    |            |         |           |                       | 633334                   |                        | 20.0                | 0.0      |     |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 19.29                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 19.39                    |                        | 20.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 19.21                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 19.22                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 19.39                    |                        | 20.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 19.17                    |                        | 20.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 19.23                    |                        | 20.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 1         |                       | 19.19                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 137       |                       | 19.43                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 271       |                       | 19.23                    |                        | 20.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 0         |                       | 19.26                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 69        |                       | 19.31                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 138       |                       | 19.22                    |                        | 20.0                | 0.0      |     |
| 100                        | QPSK       | 270     | 0         |                       | 19.25                    |                        |                     |          |     |
| 100                        | 16QAM      | 1       | 1         |                       | 19.35                    |                        | 20.0                | 0.0      |     |
| 100                        | 64QAM      | 1       | 1         |                       | 19.39                    |                        | 20.0                | 0.0      |     |
| 100                        | 256QAM     | 1       | 1         |                       | 19.40                    |                        | 20.0                | 0.0      |     |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90                         | QPSK       | 1       | 1         |                       | 19.21                    | 19.21                  | 19.36               | 19.0     | 0.0 |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |     |
| 80                         | QPSK       | 1       | 1         |                       | 19.22                    | 19.24                  | 19.30               | 19.0     | 0.0 |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |
| 70                         | QPSK       | 1       | 1         |                       | 19.36                    | 19.32                  | 19.32               | 19.0     | 0.0 |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60                         | QPSK       | 1       | 1         |                       | 19.16                    | 19.32                  | 19.27               | 19.0     | 0.0 |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50                         | QPSK       | 1       | 1         |                       | 19.23                    | 19.15                  | 19.33               | 19.0     | 0.0 |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40                         | QPSK       | 1       | 1         |                       | 19.33                    | 19.21                  | 19.34               | 19.0     | 0.0 |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30                         | QPSK       | 1       | 1         |                       | 19.34                    | 19.30                  | 19.31               | 19.0     | 0.0 |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |     |
| 25                         | QPSK       | 1       | 1         |                       | 19.26                    | 19.22                  | 19.15               | 19.0     | 0.0 |
| Channel                    |            |         |           | 630568                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20                         | QPSK       | 1       | 1         |                       | 19.18                    | 19.15                  | 19.25               | 19.0     | 0.0 |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15                         | QPSK       | 1       | 1         |                       | 19.32                    | 19.16                  | 19.39               | 19.0     | 0.0 |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10                         | QPSK       | 1       | 1         |                       | 19.28                    | 19.28                  | 19.37               | 19.0     | 0.0 |

## Reduced Power Mode for DSI 4\_Main PA

### DFT-30

| n5 Ant0 DSI4    |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 24.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.59                 | 23.86                    | 23.63                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 23.59                 | 23.81                    | 23.48                  | 24.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 23.48                 | 23.72                    | 23.61                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.59                 | 23.69                    | 23.48                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 13        | 23.43                 | 23.72                    | 23.65                  | 24.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 23.56                 | 23.89                    | 23.61                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.64                 | 23.72                    | 23.43                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.64                 | 23.92                    | 23.64                  | 24.5                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 23.48                 | 23.92                    | 23.54                  |                     |          |  |
| 20              | QPSK       | 1       | 49        | 23.46                 | 23.82                    | 23.50                  |                     |          |  |
| 20              | QPSK       | 25      | 0         | 23.61                 | 23.71                    | 23.44                  | 24.5                | 0.0      |  |
| 20              | QPSK       | 25      | 13        | 23.50                 | 23.89                    | 23.56                  |                     |          |  |
| 20              | QPSK       | 25      | 26        | 23.50                 | 23.71                    | 23.61                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 23.47                 | 23.75                    | 23.52                  | 24.5                | 0.0      |  |
| 20              | 16QAM      | 1       | 1         | 23.56                 | 23.79                    | 23.45                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 22.03                 | 22.31                    | 22.08                  |                     | 23.0     |  |
| 20              | 256QAM     | 1       | 1         | 20.08                 | 20.34                    | 20.04                  | 21.0                | 3.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.50                 | 23.78                    | 23.53                  |                     | 24.5     |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.62                 | 23.86                    | 23.66                  |                     | 24.5     |  |

| n7 Ant0 DSI4    |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 25.5                | 25.5     |  |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 1         | 16.94                 | 16.87                    | 16.85                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 67        | 16.84                 | 16.95                    | 16.64                  | 18.5                | 0.0      |  |
| 50              | PI/2 BPSK  | 1       | 131       | 16.77                 | 16.98                    | 16.82                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 0         | 16.97                 | 17.05                    | 16.78                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 35        | 16.99                 | 16.94                    | 16.79                  | 18.5                | 0.0      |  |
| 50              | PI/2 BPSK  | 64      | 69        | 16.78                 | 16.96                    | 16.63                  |                     |          |  |
| 50              | PI/2 BPSK  | 128     | 0         | 16.85                 | 17.04                    | 16.77                  |                     |          |  |
| 50              | QPSK       | 1       | 1         | 16.97                 | 17.06                    | 16.84                  | 18.5                | 0.0      |  |
| 50              | QPSK       | 1       | 67        | 16.98                 | 16.90                    | 16.86                  |                     |          |  |
| 50              | QPSK       | 1       | 131       | 16.80                 | 16.81                    | 16.80                  |                     |          |  |
| 50              | QPSK       | 64      | 0         | 16.77                 | 17.03                    | 16.77                  | 17.5                | 1.0      |  |
| 50              | QPSK       | 64      | 35        | 16.81                 | 17.04                    | 16.75                  |                     |          |  |
| 50              | QPSK       | 64      | 69        | 16.94                 | 16.91                    | 16.69                  |                     |          |  |
| 50              | QPSK       | 128     | 0         | 16.82                 | 16.93                    | 16.82                  | 17.5                | 1.0      |  |
| 50              | 16QAM      | 1       | 1         | 16.78                 | 16.86                    | 16.75                  |                     |          |  |
| 50              | 64QAM      | 1       | 1         | 16.94                 | 17.04                    | 16.76                  |                     | 18.5     |  |
| 50              | 256QAM     | 1       | 1         | 16.94                 | 17.01                    | 16.64                  | 18.5                | 0.0      |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 16.95                 | 17.03                    | 16.64                  |                     | 18.5     |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 16.98                 | 17.02                    | 16.71                  |                     | 18.5     |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 16.76                 | 16.98                    | 16.69                  |                     | 18.5     |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 16.95                 | 16.95                    | 16.76                  |                     | 18.5     |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 16.93                 | 16.95                    | 16.81                  |                     | 18.5     |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 16.83                 | 16.84                    | 16.70                  |                     | 18.5     |  |

| n38 Ant0 DSI4   |            |         |           |                          |                             |                           |                           |             |  |     |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|---------------------------|-------------|--|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |     |
| Channel         |            |         |           | 518004                   | 519000                      | 519996                    | 21.5                      | 0.0         |  |     |
| Frequency (MHz) |            |         |           | 2590.02                  | 2595                        | 2599.98                   |                           |             |  |     |
| 40              | PI/2 BPSK  | 1       | 1         | 19.61                    | 20.08                       | 19.95                     |                           |             |  |     |
| 40              | PI/2 BPSK  | 1       | 53        | 19.74                    | 19.95                       | 19.97                     |                           |             |  |     |
| 40              | PI/2 BPSK  | 1       | 104       | 19.72                    | 19.90                       | 19.93                     | 21.5                      | 0.0         |  |     |
| 40              | PI/2 BPSK  | 50      | 0         | 19.69                    | 20.03                       | 19.87                     |                           |             |  |     |
| 40              | PI/2 BPSK  | 50      | 28        | 19.79                    | 20.06                       | 20.03                     |                           |             |  |     |
| 40              | PI/2 BPSK  | 50      | 56        | 19.76                    | 20.09                       | 20.03                     |                           |             |  |     |
| 40              | PI/2 BPSK  | 100     | 0         | 19.65                    | 19.94                       | 19.86                     | 21.5                      | 0.0         |  |     |
| 40              | QPSK       | 1       | 1         | 19.79                    | 20.13                       | 20.00                     |                           |             |  |     |
| 40              | QPSK       | 1       | 53        | 19.79                    | 20.15                       | 20.02                     |                           |             |  |     |
| 40              | QPSK       | 1       | 104       | 19.67                    | 19.93                       | 19.90                     |                           |             |  |     |
| 40              | QPSK       | 50      | 0         | 19.70                    | 20.07                       | 19.84                     | 21.5                      | 0.0         |  |     |
| 40              | QPSK       | 50      | 28        | 19.72                    | 20.10                       | 19.92                     |                           |             |  |     |
| 40              | QPSK       | 50      | 56        | 19.81                    | 20.08                       | 19.95                     |                           |             |  |     |
| 40              | QPSK       | 100     | 0         | 19.67                    | 20.10                       | 19.84                     |                           |             |  |     |
| 40              | 16QAM      | 1       | 1         | 19.69                    | 20.03                       | 19.93                     | 21.5                      | 0.0         |  |     |
| 40              | 64QAM      | 1       | 1         | 19.68                    | 19.97                       | 20.00                     |                           |             |  |     |
| 40              | 256QAM     | 1       | 1         | 18.24                    | 18.60                       | 18.58                     |                           |             |  |     |
| Channel         |            |         |           | 531002                   | 519000                      | 520998                    |                           |             |  | 1.5 |
| Frequency (MHz) |            |         |           | 2635.01                  | 2595                        | 2604.99                   | Tune-up<br>limit<br>(dBm) |             |  |     |
| 30              | QPSK       | 1       | 1         | 19.59                    | 20.11                       | 19.85                     | 21.5                      | 0.0         |  |     |
| Channel         |            |         |           | 518504                   | 519000                      | 521496                    | Tune-up<br>limit<br>(dBm) |             |  |     |
| Frequency (MHz) |            |         |           | 2592.52                  | 2595                        | 2607.48                   | MPR<br>(dB)               |             |  |     |
| 25              | QPSK       | 1       | 1         | 19.71                    | 20.12                       | 19.95                     | 21.5                      | 0.0         |  |     |
| Channel         |            |         |           | 516000                   | 519000                      | 522000                    | Tune-up<br>limit<br>(dBm) |             |  |     |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      | MPR<br>(dB)               |             |  |     |
| 20              | QPSK       | 1       | 1         | 19.68                    | 19.96                       | 19.92                     | 21.5                      | 0.0         |  |     |
| Channel         |            |         |           | 515502                   | 519000                      | 522498                    | Tune-up<br>limit<br>(dBm) |             |  |     |
| Frequency (MHz) |            |         |           | 2577.51                  | 2595                        | 2612.49                   | MPR<br>(dB)               |             |  |     |
| 15              | QPSK       | 1       | 1         | 19.67                    | 20.01                       | 19.95                     | 21.5                      | 0.0         |  |     |
| Channel         |            |         |           | 515004                   | 519000                      | 522996                    | Tune-up<br>limit<br>(dBm) |             |  |     |
| Frequency (MHz) |            |         |           | 2575.02                  | 2595                        | 2614.98                   | MPR<br>(dB)               |             |  |     |
| 10              | QPSK       | 1       | 1         | 19.67                    | 20.07                       | 19.95                     | 21.5                      | 0.0         |  |     |

| n41 Ant0 DSI4   |            |         |           |                       |                          |                        |                     |          |  |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |          |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 20.5                | 0.0      |  |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |  |          |
| 100             | PI/2 BPSK  | 1       | 1         | 18.76                 | 18.94                    | 19.03                  |                     |          |  |          |
| 100             | PI/2 BPSK  | 1       | 137       | 18.91                 | 19.04                    | 19.06                  |                     |          |  |          |
| 100             | PI/2 BPSK  | 1       | 271       | 18.83                 | 18.97                    | 19.00                  | 20.5                | 0.0      |  |          |
| 100             | PI/2 BPSK  | 135     | 0         | 18.79                 | 19.09                    | 18.88                  |                     |          |  |          |
| 100             | PI/2 BPSK  | 135     | 69        | 18.81                 | 18.98                    | 18.92                  |                     |          |  |          |
| 100             | PI/2 BPSK  | 135     | 138       | 18.92                 | 18.99                    | 19.03                  |                     |          |  |          |
| 100             | PI/2 BPSK  | 270     | 0         | 18.98                 | 19.17                    | 19.02                  | 20.5                | 0.0      |  |          |
| 100             | QPSK       | 1       | 1         | 18.99                 | 19.01                    | 18.98                  |                     |          |  |          |
| 100             | QPSK       | 1       | 137       | 18.98                 | 19.20                    | 19.09                  |                     |          |  |          |
| 100             | QPSK       | 1       | 271       | 18.95                 | 19.09                    | 19.05                  |                     |          |  |          |
| 100             | QPSK       | 135     | 0         | 18.78                 | 19.09                    | 19.04                  | 20.5                | 0.0      |  |          |
| 100             | QPSK       | 135     | 69        | 18.96                 | 19.12                    | 18.94                  |                     |          |  |          |
| 100             | QPSK       | 135     | 138       | 18.95                 | 19.01                    | 18.96                  |                     |          |  |          |
| 100             | QPSK       | 270     | 0         | 18.85                 | 19.11                    | 19.10                  |                     |          |  |          |
| 100             | 16QAM      | 1       | 1         | 18.80                 | 19.01                    | 18.99                  | 20.5                | 0.0      |  |          |
| 100             | 64QAM      | 1       | 1         | 18.99                 | 19.01                    | 19.09                  |                     |          |  |          |
| 100             | 256QAM     | 1       | 1         | 18.45                 | 18.75                    | 18.66                  |                     |          |  |          |
| Channel         |            |         |           | 506200                | 518598                   | 529996                 | Tune-up limit (dBm) |          |  | MPR (dB) |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |  |          |
| 90              | QPSK       | 1       | 1         | 18.82                 | 19.12                    | 18.91                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2640.99                |                     |          |  |          |
| 80              | QPSK       | 1       | 1         | 18.96                 | 18.98                    | 19.10                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |  |          |
| 70              | QPSK       | 1       | 1         | 18.93                 | 19.08                    | 19.01                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |  |          |
| 60              | QPSK       | 1       | 1         | 18.84                 | 19.00                    | 19.08                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |  |          |
| 50              | QPSK       | 1       | 1         | 18.90                 | 19.12                    | 18.96                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |  |          |
| 40              | QPSK       | 1       | 1         | 18.87                 | 19.01                    | 18.96                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |  |          |
| 30              | QPSK       | 1       | 1         | 18.94                 | 18.94                    | 18.87                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2670.99                |                     |          |  |          |
| 20              | QPSK       | 1       | 1         | 18.88                 | 19.04                    | 19.10                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 500700                | 518598                   | 536996                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |  |          |
| 15              | QPSK       | 1       | 1         | 18.88                 | 19.08                    | 19.07                  | 20.5                | 0.0      |  |          |
| Channel         |            |         |           | 500202                | 518598                   | 537000                 | Tune-up limit (dBm) | MPR (dB) |  |          |
| Frequency (MHz) |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |  |          |
| 10              | QPSK       | 1       | 1         | 18.99                 | 19.12                    | 19.02                  | 20.5                | 0.0      |  |          |

| n5 Ant1 Default |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 834                      | 836.5                       | 839                       | 25.7                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 166800                   | 167300                      | 167800                    |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.01                    | 24.11                       | 24.06                     |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 26        | 23.89                    | 24.00                       | 23.90                     |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 49        | 24.00                    | 24.07                       | 23.99                     | 25.2                   | 0.5         |  |
| 20              | PI/2 BPSK  | 25      | 0         | 23.58                    | 23.68                       | 23.57                     |                        |             |  |
| 20              | PI/2 BPSK  | 25      | 13        | 23.91                    | 24.04                       | 23.91                     |                        |             |  |
| 20              | PI/2 BPSK  | 25      | 26        | 23.72                    | 23.81                       | 23.77                     |                        |             |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.67                    | 23.71                       | 23.65                     | 25.7                   | 0.0         |  |
| 20              | QPSK       | 1       | 1         | 24.06                    | 24.13                       | 23.99                     |                        |             |  |
| 20              | QPSK       | 1       | 26        | 23.95                    | 24.06                       | 24.00                     |                        |             |  |
| 20              | QPSK       | 1       | 49        | 23.96                    | 24.08                       | 24.02                     |                        |             |  |
| 20              | QPSK       | 25      | 0         | 23.00                    | 23.07                       | 23.00                     | 24.7                   | 1.0         |  |
| 20              | QPSK       | 25      | 13        | 24.04                    | 24.12                       | 24.01                     |                        |             |  |
| 20              | QPSK       | 25      | 26        | 23.09                    | 23.21                       | 23.12                     |                        |             |  |
| 20              | QPSK       | 50      | 0         | 23.16                    | 23.20                       | 23.08                     |                        |             |  |
| 20              | 16QAM      | 1       | 1         | 22.90                    | 22.93                       | 22.81                     | 24.7                   | 1.0         |  |
| 20              | 64QAM      | 1       | 1         | 21.41                    | 21.51                       | 21.39                     |                        |             |  |
| 20              | 256QAM     | 1       | 1         | 19.69                    | 19.77                       | 19.69                     |                        |             |  |
| 20              | 256QAM     | 1       | 1         | 19.69                    | 19.77                       | 19.69                     |                        |             |  |
| Channel         |            |         |           | 166800                   | 167300                      | 168300                    | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 834.5                    | 836.5                       | 841.5                     |                        |             |  |
| 15              | QPSK       | 1       | 1         | 23.96                    | 24.09                       | 23.90                     |                        | 0.0         |  |
| Channel         |            |         |           | 165800                   | 167300                      | 168800                    |                        |             |  |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       |                        |             |  |
| 10              | QPSK       | 1       | 1         | 23.93                    | 24.05                       | 23.93                     |                        | 0.0         |  |

| n7 Ant1 DSI4    |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 21.0                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 1         | 19.77                    | 19.90                       | 19.62                     |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 67        | 19.84                    | 19.90                       | 19.62                     |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 131       | 19.82                    | 19.98                       | 19.69                     | 21.0                   | 0.0         |  |
| 50              | PI/2 BPSK  | 64      | 0         | 19.74                    | 19.96                       | 19.80                     |                        |             |  |
| 50              | PI/2 BPSK  | 64      | 35        | 19.72                    | 19.87                       | 19.82                     |                        |             |  |
| 50              | PI/2 BPSK  | 64      | 69        | 19.79                    | 19.96                       | 19.61                     |                        |             |  |
| 50              | PI/2 BPSK  | 128     | 0         | 19.75                    | 20.02                       | 19.74                     | 21.0                   | 0.0         |  |
| 50              | QPSK       | 1       | 1         | 19.88                    | 20.06                       | 19.80                     |                        |             |  |
| 50              | QPSK       | 1       | 67        | 19.67                    | 20.05                       | 19.69                     |                        |             |  |
| 50              | QPSK       | 1       | 131       | 19.70                    | 19.90                       | 19.81                     |                        |             |  |
| 50              | QPSK       | 64      | 0         | 19.87                    | 19.91                       | 19.74                     | 20.0                   | 1.0         |  |
| 50              | QPSK       | 64      | 35        | 19.84                    | 19.94                       | 19.75                     |                        |             |  |
| 50              | QPSK       | 64      | 69        | 19.86                    | 19.89                       | 19.68                     |                        |             |  |
| 50              | QPSK       | 128     | 0         | 19.84                    | 20.03                       | 19.77                     |                        |             |  |
| 50              | 16QAM      | 1       | 1         | 19.80                    | 20.04                       | 19.79                     | 21.0                   | 0.0         |  |
| 50              | 64QAM      | 1       | 1         | 19.69                    | 19.87                       | 19.68                     |                        |             |  |
| 50              | 256QAM     | 1       | 1         | 19.38                    | 19.62                       | 19.40                     |                        |             |  |
| 50              | 256QAM     | 1       | 1         | 19.38                    | 19.62                       | 19.40                     |                        |             |  |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |  |
| 40              | QPSK       | 1       | 1         | 19.87                    | 19.85                       | 19.70                     |                        | 0.0         |  |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |  |
| 30              | QPSK       | 1       | 1         | 19.69                    | 19.86                       | 19.68                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |  |
| 25              | QPSK       | 1       | 1         | 19.79                    | 19.90                       | 19.65                     |                        | 0.0         |  |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 19.66                    | 20.06                       | 19.80                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |  |
| 15              | QPSK       | 1       | 1         | 19.88                    | 20.03                       | 19.70                     |                        | 0.0         |  |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |  |
| 10              | QPSK       | 1       | 1         | 19.87                    | 20.02                       | 19.82                     |                        | 0.0         |  |

| n38 Ant1 DSI4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 518004                | 519000                   | 519996                 | 21.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 20.14                 | 20.34                    | 20.26                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 53        | 20.23                 | 20.28                    | 20.27                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 104       | 20.15                 | 20.27                    | 20.11                  | 21.5                | 0.0      |  |
| 40              | PI/2 BPSK  | 50      | 0         | 20.36                 | 20.30                    | 20.18                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 28        | 20.31                 | 20.22                    | 20.20                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 56        | 20.23                 | 20.27                    | 20.12                  |                     |          |  |
| 40              | PI/2 BPSK  | 100     | 0         | 20.33                 | 20.38                    | 20.14                  | 21.5                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 20.24                 | 20.19                    | 20.03                  |                     |          |  |
| 40              | QPSK       | 1       | 53        | 20.35                 | 20.40                    | 20.25                  |                     |          |  |
| 40              | QPSK       | 1       | 104       | 20.22                 | 20.29                    | 20.23                  |                     |          |  |
| 40              | QPSK       | 50      | 0         | 20.16                 | 20.30                    | 20.25                  | 21.5                | 0.0      |  |
| 40              | QPSK       | 50      | 28        | 20.33                 | 20.35                    | 20.17                  | 21.5                | 0.0      |  |
| 40              | QPSK       | 50      | 56        | 20.14                 | 20.20                    | 20.23                  | 21.5                | 0.0      |  |
| 40              | QPSK       | 100     | 0         | 20.36                 | 20.37                    | 20.11                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 20.21                 | 20.23                    | 20.09                  | 21.5                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 20.20                 | 20.36                    | 20.03                  | 21.5                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 19.80                 | 19.86                    | 19.75                  | 21.0                | 0.5      |  |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                | 21.5                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 20.19                 | 20.24                    | 20.26                  | 21.5                | 0.0      |  |
| Channel         |            |         |           | 516504                | 519000                   | 521496                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2582.52               | 2595                     | 2607.48                | 21.5                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 20.26                 | 20.38                    | 20.26                  | 21.5                | 0.0      |  |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   | 21.5                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 20.34                 | 20.39                    | 20.26                  | 21.5                | 0.0      |  |
| Channel         |            |         |           | 515502                | 519000                   | 522498                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2577.51               | 2595                     | 2612.49                | 21.5                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 20.27                 | 20.32                    | 20.06                  | 21.5                | 0.0      |  |
| Channel         |            |         |           | 515004                | 519000                   | 522996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2575.02               | 2595                     | 2614.98                | 21.5                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 20.16                 | 20.37                    | 20.21                  | 21.5                | 0.0      |  |

| n41 Ant1 DSI4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 20.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 1         | 19.27                 | 19.45                    | 19.27                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 137       | 19.46                 | 19.34                    | 19.22                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 271       | 19.39                 | 19.43                    | 19.22                  | 20.5                | 0.0      |  |
| 100             | PI/2 BPSK  | 135     | 0         | 19.38                 | 19.31                    | 19.31                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 69        | 19.42                 | 19.40                    | 19.34                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 138       | 19.29                 | 19.49                    | 19.33                  |                     |          |  |
| 100             | PI/2 BPSK  | 270     | 0         | 19.43                 | 19.41                    | 19.27                  | 20.5                | 0.0      |  |
| 100             | QPSK       | 1       | 1         | 19.26                 | 19.41                    | 19.24                  |                     |          |  |
| 100             | QPSK       | 1       | 137       | 19.33                 | 19.50                    | 19.19                  |                     |          |  |
| 100             | QPSK       | 1       | 271       | 19.28                 | 19.27                    | 19.22                  |                     |          |  |
| 100             | QPSK       | 135     | 0         | 19.43                 | 19.36                    | 19.20                  | 20.5                | 0.0      |  |
| 100             | QPSK       | 135     | 69        | 19.37                 | 19.44                    | 19.15                  | 20.5                | 0.0      |  |
| 100             | QPSK       | 135     | 138       | 19.29                 | 19.35                    | 19.20                  | 20.5                | 0.0      |  |
| 100             | QPSK       | 270     | 0         | 19.42                 | 19.43                    | 19.32                  |                     |          |  |
| 100             | 16QAM      | 1       | 1         | 19.30                 | 19.32                    | 19.20                  | 20.5                | 0.0      |  |
| 100             | 64QAM      | 1       | 1         | 19.30                 | 19.40                    | 19.28                  | 20.5                | 0.0      |  |
| 100             | 256QAM     | 1       | 1         | 19.37                 | 19.48                    | 19.18                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 508200                | 518598                   | 528998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                | 20.5                | 0.0      |  |
| 90              | QPSK       | 1       | 1         | 19.28                 | 19.47                    | 19.36                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                | 20.5                | 0.0      |  |
| 80              | QPSK       | 1       | 1         | 19.30                 | 19.34                    | 19.22                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   | 20.5                | 0.0      |  |
| 70              | QPSK       | 1       | 1         | 19.44                 | 19.35                    | 19.29                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                | 20.5                | 0.0      |  |
| 60              | QPSK       | 1       | 1         | 19.40                 | 19.43                    | 19.20                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                | 20.5                | 0.0      |  |
| 50              | QPSK       | 1       | 1         | 19.40                 | 19.44                    | 19.18                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   | 20.5                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 19.35                 | 19.27                    | 19.31                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                | 20.5                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 19.43                 | 19.41                    | 19.31                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                | 20.5                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 19.46                 | 19.29                    | 19.25                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 500100                | 518598                   | 536996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2500.5                | 2592.99                  | 2682.48                | 20.5                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 19.34                 | 19.31                    | 19.25                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 500202                | 518598                   | 537000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2501.01               | 2592.99                  | 2685                   | 20.5                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 19.39                 | 19.49                    | 19.32                  | 20.5                | 0.0      |  |

| n7 Ant2 DSI1    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 19.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 17.51                 | 17.60                    | 17.31                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 67        | 17.51                 | 17.70                    | 17.46                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 17.56                 | 17.70                    | 17.33                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 17.53                 | 17.67                    | 17.34                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 35        | 17.57                 | 17.65                    | 17.43                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 17.57                 | 17.69                    | 17.30                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 128     | 0         | 17.55                 | 17.64                    | 17.44                  | 19.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 17.61                 | 17.80                    | 17.51                  |                     |          |
| 50              | QPSK       | 1       | 67        | 17.49                 | 17.60                    | 17.40                  |                     |          |
| 50              | QPSK       | 1       | 131       | 17.46                 | 17.63                    | 17.39                  | 18.0                | 1.0      |
| 50              | QPSK       | 64      | 0         | 17.56                 | 17.76                    | 17.51                  |                     |          |
| 50              | QPSK       | 64      | 35        | 17.58                 | 17.75                    | 17.51                  |                     |          |
| 50              | QPSK       | 64      | 69        | 17.62                 | 17.72                    | 17.47                  | 18.0                | 1.0      |
| 50              | QPSK       | 128     | 0         | 17.51                 | 17.62                    | 17.40                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 17.45                 | 17.68                    | 17.36                  | 19.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         | 17.44                 | 17.58                    | 17.33                  | 19.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         | 17.45                 | 17.70                    | 17.41                  | 19.0                | 0.0      |
| Channel         |            |         |           | 508000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   | 19.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 17.52                 | 17.65                    | 17.40                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 19.0                | 0.0      |
| 30              | QPSK       | 1       | 1         | 17.41                 | 17.76                    | 17.47                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 19.0                | 0.0      |
| 25              | QPSK       | 1       | 1         | 17.57                 | 17.69                    | 17.37                  |                     |          |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 19.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 17.40                 | 17.66                    | 17.53                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 19.0                | 0.0      |
| 15              | QPSK       | 1       | 1         | 17.49                 | 17.63                    | 17.53                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 19.0                | 0.0      |
| 10              | QPSK       | 1       | 1         | 17.52                 | 17.67                    | 17.50                  |                     |          |

| n38 Ant2 DSI4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 518004                | 519000                   | 519996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 18.27                 | 18.15                    | 18.16                  | 20.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 53        | 18.20                 | 18.26                    | 18.16                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 104       | 18.15                 | 18.20                    | 18.27                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 0         | 18.18                 | 18.13                    | 18.22                  | 20.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 50      | 28        | 18.24                 | 18.28                    | 18.20                  | 20.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 50      | 56        | 18.22                 | 18.11                    | 18.11                  | 20.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 100     | 0         | 18.15                 | 18.30                    | 18.19                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 18.20                 | 18.18                    | 18.06                  | 20.0                | 0.0      |  |
| 40              | QPSK       | 1       | 53        | 18.08                 | 18.33                    | 18.12                  |                     |          |  |
| 40              | QPSK       | 1       | 104       | 18.03                 | 18.29                    | 18.12                  |                     |          |  |
| 40              | QPSK       | 50      | 0         | 18.01                 | 18.24                    | 18.27                  | 20.0                | 0.0      |  |
| 40              | QPSK       | 50      | 28        | 18.29                 | 18.30                    | 18.13                  | 20.0                | 0.0      |  |
| 40              | QPSK       | 50      | 56        | 18.25                 | 18.20                    | 18.16                  |                     |          |  |
| 40              | QPSK       | 100     | 0         | 18.19                 | 18.29                    | 18.13                  | 20.0                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 18.09                 | 18.29                    | 18.13                  | 20.0                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 18.07                 | 18.25                    | 18.27                  | 20.0                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 18.04                 | 18.10                    | 18.05                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                |                     |          |  |
| 30              | QPSK       | 1       | 1         | 18.07                 | 18.08                    | 18.19                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 516504                | 519000                   | 521496                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2582.52               | 2595                     | 2607.48                |                     |          |  |
| 25              | QPSK       | 1       | 1         | 18.07                 | 18.23                    | 18.03                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 18.23                 | 18.29                    | 18.04                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 515502                | 519000                   | 522498                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |  |
| 15              | QPSK       | 1       | 1         | 18.04                 | 18.30                    | 18.18                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 515004                | 519000                   | 522996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |  |
| 10              | QPSK       | 1       | 1         | 18.19                 | 18.27                    | 18.08                  | 20.0                | 0.0      |  |

| n41 Ant2 DSI4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 1         | 18.13                 | 18.19                    | 17.93                  | 19.5                | 0.0      |  |
| 100             | PI/2 BPSK  | 1       | 137       | 18.23                 | 18.41                    | 17.89                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 271       | 18.06                 | 18.28                    | 18.06                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 0         | 18.16                 | 18.26                    | 17.91                  | 19.5                | 0.0      |  |
| 100             | PI/2 BPSK  | 135     | 69        | 18.09                 | 18.39                    | 17.98                  | 19.5                | 0.0      |  |
| 100             | PI/2 BPSK  | 135     | 138       | 18.09                 | 18.23                    | 17.90                  | 19.5                | 0.0      |  |
| 100             | PI/2 BPSK  | 270     | 0         | 18.05                 | 18.33                    | 18.07                  |                     |          |  |
| 100             | QPSK       | 1       | 1         | 18.05                 | 18.33                    | 17.96                  | 19.5                | 0.0      |  |
| 100             | QPSK       | 1       | 137       | 18.22                 | 18.44                    | 18.07                  |                     |          |  |
| 100             | QPSK       | 1       | 271       | 18.01                 | 18.23                    | 17.86                  |                     |          |  |
| 100             | QPSK       | 135     | 0         | 18.07                 | 18.35                    | 18.08                  | 19.5                | 0.0      |  |
| 100             | QPSK       | 135     | 69        | 18.19                 | 18.42                    | 17.94                  | 19.5                | 0.0      |  |
| 100             | QPSK       | 135     | 138       | 18.09                 | 18.34                    | 17.87                  | 19.5                | 0.0      |  |
| 100             | QPSK       | 270     | 0         | 18.01                 | 18.38                    | 17.91                  |                     |          |  |
| 100             | 16QAM      | 1       | 1         | 18.10                 | 18.32                    | 18.01                  | 19.5                | 0.0      |  |
| 100             | 64QAM      | 1       | 1         | 18.04                 | 18.38                    | 17.99                  | 19.5                | 0.0      |  |
| 100             | 256QAM     | 1       | 1         | 18.17                 | 18.22                    | 18.04                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 508200                | 518598                   | 526996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |  |
| 90              | QPSK       | 1       | 1         | 18.24                 | 18.29                    | 18.03                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 507204                | 518598                   | 526998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |          |  |
| 80              | QPSK       | 1       | 1         | 18.23                 | 18.20                    | 18.09                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |  |
| 70              | QPSK       | 1       | 1         | 18.09                 | 18.39                    | 18.02                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |  |
| 60              | QPSK       | 1       | 1         | 18.05                 | 18.35                    | 17.93                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |  |
| 50              | QPSK       | 1       | 1         | 18.06                 | 18.24                    | 17.99                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 18.08                 | 18.40                    | 18.04                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |  |
| 30              | QPSK       | 1       | 1         | 18.02                 | 18.41                    | 17.88                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |  |
| 20              | QPSK       | 1       | 1         | 18.07                 | 18.25                    | 17.93                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 500709                | 518598                   | 536496                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |  |
| 15              | QPSK       | 1       | 1         | 18.15                 | 18.34                    | 17.86                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 500202                | 518598                   | 537000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 18.01                 | 18.36                    | 18.04                  | 19.5                | 0.0      |  |

| Par270 n77 Ant2 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 | 16.0                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 14.61                 | 14.91                    | 14.87                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 14.76                 | 14.86                    | 14.86                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 14.65                 | 14.61                    | 14.83                  | 16.0                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 14.68                 | 14.95                    | 14.84                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 14.70                 | 14.71                    | 14.78                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 14.60                 | 15.01                    | 14.74                  |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 14.61                 | 14.95                    | 14.95                  | 16.0                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 14.73                 | 14.88                    | 14.77                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 14.75                 | 15.07                    | 14.93                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 14.62                 | 15.01                    | 14.91                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 14.71                 | 14.65                    | 14.79                  | 16.0                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 14.66                 | 14.85                    | 14.77                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 14.65                 | 14.58                    | 14.71                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 14.67                 | 14.85                    | 14.69                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 14.74                 | 14.86                    | 14.90                  | 16.0                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 14.61                 | 15.05                    | 14.88                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 14.57                 | 14.30                    | 14.84                  |                     |          |  |
| Channel              |            |         |           | 649668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                | 16.0                | 0.0      |  |
| 90                   | QPSK       | 1       | 1         | 14.65                 | 15.04                    | 14.84                  |                     |          |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                | 16.0                | 0.0      |  |
| 80                   | QPSK       | 1       | 1         | 14.62                 | 14.96                    | 14.80                  |                     |          |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   | 16.0                | 0.0      |  |
| 70                   | QPSK       | 1       | 1         | 14.69                 | 15.05                    | 14.85                  |                     |          |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                | 16.0                | 0.0      |  |
| 60                   | QPSK       | 1       | 1         | 14.55                 | 15.06                    | 14.88                  |                     |          |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                | 16.0                | 0.0      |  |
| 50                   | QPSK       | 1       | 1         | 14.64                 | 14.99                    | 14.79                  |                     |          |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   | 16.0                | 0.0      |  |
| 40                   | QPSK       | 1       | 1         | 14.75                 | 15.07                    | 14.75                  |                     |          |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                | 16.0                | 0.0      |  |
| 30                   | QPSK       | 1       | 1         | 14.70                 | 15.08                    | 14.77                  |                     |          |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 | 16.0                | 0.0      |  |
| 25                   | QPSK       | 1       | 1         | 14.56                 | 14.91                    | 14.94                  |                     |          |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                | 16.0                | 0.0      |  |
| 20                   | QPSK       | 1       | 1         | 14.69                 | 14.95                    | 14.89                  |                     |          |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                | 16.0                | 0.0      |  |
| 15                   | QPSK       | 1       | 1         | 14.54                 | 14.97                    | 14.79                  |                     |          |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   | 16.0                | 0.0      |  |
| 10                   | QPSK       | 1       | 1         | 14.64                 | 14.86                    | 14.72                  |                     |          |  |

| Part27Q n77 Ant2 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                       |                          | 633334                 | 16.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                       |                          | 3500.01                |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                       |                          | 15.42                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                       |                          | 15.27                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                       |                          | 15.42                  | 16.0                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                       |                          | 15.29                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                       |                          | 15.42                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                       |                          | 15.42                  |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                       |                          | 15.22                  | 16.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                       |                          | 15.41                  |                     |          |  |
| 100                   | QPSK       | 1       | 137       |                       |                          | 15.45                  |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       |                          | 15.44                  |                     |          |  |
| 100                   | QPSK       | 135     | 0         |                       |                          | 15.36                  | 16.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 69        |                       |                          | 15.41                  |                     |          |  |
| 100                   | QPSK       | 135     | 138       |                       |                          | 15.37                  |                     |          |  |
| 100                   | QPSK       | 270     | 0         |                       |                          | 15.28                  |                     |          |  |
| 100                   | 16QAM      | 1       | 1         |                       |                          | 15.33                  | 16.0                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         |                       |                          | 15.43                  |                     |          |  |
| 100                   | 256QAM     | 1       | 1         |                       |                          | 15.43                  |                     |          |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                | 16.0                | 0.0      |  |
| 90                    | QPSK       | 1       | 1         | 15.29                 | 15.25                    | 15.39                  |                     |          |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   | 16.0                | 0.0      |  |
| 80                    | QPSK       | 1       | 1         | 15.39                 | 15.40                    | 15.23                  |                     |          |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 16.0                | 0.0      |  |
| 70                    | QPSK       | 1       | 1         | 15.36                 | 15.41                    | 15.26                  |                     |          |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                | 16.0                | 0.0      |  |
| 60                    | QPSK       | 1       | 1         | 15.20                 | 15.29                    | 15.40                  |                     |          |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   | 16.0                | 0.0      |  |
| 50                    | QPSK       | 1       | 1         | 15.33                 | 15.41                    | 15.33                  |                     |          |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 16.0                | 0.0      |  |
| 40                    | QPSK       | 1       | 1         | 15.37                 | 15.37                    | 15.31                  |                     |          |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                | 16.0                | 0.0      |  |
| 30                    | QPSK       | 1       | 1         | 15.21                 | 15.24                    | 15.28                  |                     |          |  |
| Channel               |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                | 16.0                | 0.0      |  |
| 25                    | QPSK       | 1       | 1         | 15.20                 | 15.38                    | 15.22                  |                     |          |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   | 16.0                | 0.0      |  |
| 20                    | QPSK       | 1       | 1         | 15.28                 | 15.32                    | 15.34                  |                     |          |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 16.0                | 0.0      |  |
| 15                    | QPSK       | 1       | 1         | 15.41                 | 15.25                    | 15.27                  |                     |          |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 16.0                | 0.0      |  |
| 10                    | QPSK       | 1       | 1         | 15.27                 | 15.41                    | 15.29                  |                     |          |  |

| Part270 n78 PC2/3 Ant2 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 17.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 16.12                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 16.25                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 16.23                    |                        | 17.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 16.25                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 16.20                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 16.21                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 16.20                    |                        | 17.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 1         |                       | 16.07                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 137       |                       | 16.30                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 271       |                       | 16.04                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 16.20                    |                        | 17.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 16.21                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 138       |                       | 16.16                    |                        |                     |          |  |
| 100                         | QPSK       | 270     | 0         |                       | 16.26                    |                        |                     |          |  |
| 100                         | 16QAM      | 1       | 1         |                       | 16.18                    |                        | 17.0                | 0.0      |  |
| 100                         | 64QAM      | 1       | 1         |                       | 16.23                    |                        |                     |          |  |
| 100                         | 256QAM     | 1       | 1         |                       | 16.18                    |                        |                     |          |  |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                | 17.0                | 0.0      |  |
| 90                          | QPSK       | 1       | 1         |                       | 15.91                    | 16.03                  |                     |          |  |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                | 17.0                | 0.0      |  |
| 80                          | QPSK       | 1       | 1         |                       | 16.00                    | 15.97                  |                     |          |  |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   | 17.0                | 0.0      |  |
| 70                          | QPSK       | 1       | 1         |                       | 16.00                    | 15.89                  |                     |          |  |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                | 17.0                | 0.0      |  |
| 60                          | QPSK       | 1       | 1         |                       | 15.94                    | 15.89                  |                     |          |  |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                | 17.0                | 0.0      |  |
| 50                          | QPSK       | 1       | 1         |                       | 15.94                    | 15.95                  |                     |          |  |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   | 17.0                | 0.0      |  |
| 40                          | QPSK       | 1       | 1         |                       | 15.92                    | 15.98                  |                     |          |  |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                | 17.0                | 0.0      |  |
| 30                          | QPSK       | 1       | 1         |                       | 15.98                    | 15.93                  |                     |          |  |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 | 17.0                | 0.0      |  |
| 25                          | QPSK       | 1       | 1         |                       | 15.89                    | 16.07                  |                     |          |  |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                | 17.0                | 0.0      |  |
| 20                          | QPSK       | 1       | 1         |                       | 15.95                    | 15.87                  |                     |          |  |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                | 17.0                | 0.0      |  |
| 15                          | QPSK       | 1       | 1         |                       | 15.86                    | 15.98                  |                     |          |  |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   | 17.0                | 0.0      |  |
| 10                          | QPSK       | 1       | 1         |                       | 15.89                    | 15.99                  |                     |          |  |

| Part27Q 78 PC2/3 Ant2 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       | 3500.01                  |                        | 17.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 16.32                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 16.40                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 16.44                    |                        | 17.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 16.33                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 16.29                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 16.31                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 16.23                    |                        | 17.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         |                       | 16.45                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 137       |                       | 16.46                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 271       |                       | 16.27                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 0         |                       | 16.41                    |                        | 17.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        |                       | 16.43                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 138       |                       | 16.29                    |                        |                     |          |  |
| 100                        | QPSK       | 270     | 0         |                       | 16.43                    |                        |                     |          |  |
| 100                        | 16QAM      | 1       | 1         |                       | 16.29                    |                        | 17.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         |                       | 16.40                    |                        |                     |          |  |
| 100                        | 256QAM     | 1       | 1         |                       | 16.41                    |                        |                     |          |  |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                | 17.0                | 0.0      |  |
| 90                         | QPSK       | 1       | 1         |                       | 16.29                    | 16.36                  |                     |          |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   | 17.0                | 0.0      |  |
| 80                         | QPSK       | 1       | 1         |                       | 16.24                    | 16.20                  |                     |          |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 17.0                | 0.0      |  |
| 70                         | QPSK       | 1       | 1         |                       | 16.22                    | 16.34                  |                     |          |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                | 17.0                | 0.0      |  |
| 60                         | QPSK       | 1       | 1         |                       | 16.28                    | 16.27                  |                     |          |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   | 17.0                | 0.0      |  |
| 50                         | QPSK       | 1       | 1         |                       | 16.19                    | 16.12                  |                     |          |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 17.0                | 0.0      |  |
| 40                         | QPSK       | 1       | 1         |                       | 16.27                    | 16.27                  |                     |          |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                | 17.0                | 0.0      |  |
| 30                         | QPSK       | 1       | 1         |                       | 16.20                    | 16.31                  |                     |          |  |
| Channel                    |            |         |           | 630634                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                | 17.0                | 0.0      |  |
| 25                         | QPSK       | 1       | 1         |                       | 16.34                    | 16.20                  |                     |          |  |
| Channel                    |            |         |           | 630368                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   | 17.0                | 0.0      |  |
| 20                         | QPSK       | 1       | 1         |                       | 16.32                    | 16.14                  |                     |          |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 17.0                | 0.0      |  |
| 15                         | QPSK       | 1       | 1         |                       | 16.32                    | 16.32                  |                     |          |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 17.0                | 0.0      |  |
| 10                         | QPSK       | 1       | 1         |                       | 16.25                    | 16.29                  |                     |          |  |

| Par270 n77 Ant3 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 | 16.0                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 15.19                 | 15.25                    | 15.21                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 15.19                 | 15.44                    | 15.18                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 15.28                 | 15.35                    | 15.27                  | 16.0                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 15.23                 | 15.41                    | 15.32                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 15.26                 | 15.25                    | 15.35                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 15.13                 | 15.40                    | 15.28                  |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 15.28                 | 15.36                    | 15.22                  | 16.0                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 15.23                 | 15.44                    | 15.38                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 15.28                 | 15.45                    | 15.37                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 15.27                 | 15.36                    | 15.22                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 15.07                 | 15.32                    | 15.34                  | 16.0                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 15.14                 | 15.43                    | 15.35                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 15.14                 | 15.40                    | 15.39                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 15.24                 | 15.45                    | 15.34                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 15.27                 | 15.44                    | 15.31                  | 16.0                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 15.19                 | 15.39                    | 15.22                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 15.07                 | 15.35                    | 15.17                  |                     |          |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 |                     | 16.0     |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |          |  |
| 90                   | QPSK       | 1       | 1         | 15.28                 | 15.40                    | 15.20                  |                     |          |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 | 16.0                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 15.08                 | 15.45                    | 15.27                  |                     | 16.0     |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   |                     |          |  |
| 70                   | QPSK       | 1       | 1         | 15.19                 | 15.37                    | 15.24                  |                     | 16.0     |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 15.10                 | 15.36                    | 15.21                  |                     | 16.0     |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |
| 50                   | QPSK       | 1       | 1         | 15.08                 | 15.40                    | 15.36                  | 16.0                | 0.0      |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 15.22                 | 15.25                    | 15.35                  |                     | 16.0     |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                   | QPSK       | 1       | 1         | 15.11                 | 15.26                    | 15.27                  |                     | 16.0     |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 15.16                 | 15.33                    | 15.28                  | 16.0                | 0.0      |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                   | QPSK       | 1       | 1         | 15.09                 | 15.32                    | 15.20                  |                     | 16.0     |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 15.12                 | 15.24                    | 15.27                  | 16.0                | 0.0      |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |
| 10                   | QPSK       | 1       | 1         | 15.16                 | 15.45                    | 15.32                  |                     | 16.0     |  |

| Part27Q n77 Ant3 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | 16.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         | 15.22                 | 15.39                    | 15.17                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       | 632668                | 633334                   | 634000                 |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       | 3490.02               | 3500.01                  | 3510                   | 16.0                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         | 15.23                 | 15.18                    | 15.36                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        | 632334                | 633334                   | 634334                 |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         | 15.36                 | 15.39                    | 15.38                  | 16.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         | 632000                | 633334                   | 634668                 |                     |          |  |
| 100                   | QPSK       | 1       | 137       | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 100                   | QPSK       | 1       | 271       | 631668                | 633334                   | 635000                 |                     |          |  |
| 100                   | QPSK       | 135     | 0         | 3475.02               | 3500.01                  | 3525                   | 16.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 69        | 631334                | 633334                   | 635334                 |                     |          |  |
| 100                   | QPSK       | 135     | 138       | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 100                   | QPSK       | 270     | 0         | 15.17                 | 15.29                    | 15.18                  |                     |          |  |
| 100                   | 16QAM      | 1       | 1         | 631000                | 633334                   | 635668                 | 16.0                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 100                   | 256QAM     | 1       | 1         | 630634                | 633334                   | 635834                 |                     |          |  |
| 100                   | 256QAM     | 1       | 1         | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 100                   | 256QAM     | 1       | 1         | 15.30                 | 15.35                    | 15.35                  | 16.0                | 0.0      |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                    | QPSK       | 1       | 1         | 15.23                 | 15.25                    | 15.29                  |                     |          |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 | 16.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 15.20                 | 15.16                    | 15.30                  |                     |          |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 16.0                | 0.0      |  |
| 10                    | QPSK       | 1       | 1         | 15.27                 | 15.18                    | 15.38                  |                     |          |  |

| Part270 n78 PC2/3 Ant3 DSI4 |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 17.0                | 0.0      |     |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 15.96                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 16.00                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 15.99                    |                        | 17.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 15.90                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 15.93                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 15.97                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 15.91                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 15.81                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 137       |                       | 16.02                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 15.86                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 0         |                       | 15.90                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 69        |                       | 16.00                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 138       |                       | 15.80                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 15.99                    |                        |                     |          |     |
| 100                         | 16QAM      | 1       | 1         |                       | 15.94                    |                        |                     |          |     |
| 100                         | 64QAM      | 1       | 1         |                       | 15.93                    |                        |                     |          |     |
| 100                         | 256QAM     | 1       | 1         |                       | 15.97                    |                        | 17.0                | 0.0      |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 15.93                    | 15.75                  | 15.82               | 17.0     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 15.85                    | 15.89                  | 15.83               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 15.93                    | 15.75                  | 15.75               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 15.84                    | 15.77                  | 15.92               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 15.96                    | 15.78                  | 15.85               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 15.91                    | 15.82                  | 15.91               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 15.97                    | 15.75                  | 15.88               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 15.91                    | 15.92                  | 15.93               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |
| 20                          | QPSK       | 1       | 1         |                       | 15.79                    | 15.91                  | 15.89               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 15.77                    | 15.97                  | 15.95               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 15.95                    | 15.76                  | 15.78               | 17.0     | 0.0 |

| Part27Q 78 PC2/3 Ant3 DSI4 |            |         |           |                       |                          |                        |                     |          |     |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                    |            |         |           |                       | 633334                   |                        | 17.0                | 0.0      |     |
| Frequency (MHz)            |            |         |           |                       | 3500.01                  |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 16.12                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 16.29                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 16.30                    |                        | 17.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 16.12                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 16.20                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 16.17                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 16.19                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 1         |                       | 16.15                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 137       |                       | 16.31                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 271       |                       | 16.28                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 0         |                       | 16.27                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 69        |                       | 16.30                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 138       |                       | 16.11                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 270     | 0         |                       | 16.13                    |                        |                     |          |     |
| 100                        | 16QAM      | 1       | 1         |                       | 16.28                    |                        |                     |          |     |
| 100                        | 64QAM      | 1       | 1         |                       | 16.30                    |                        |                     |          |     |
| 100                        | 256QAM     | 1       | 1         |                       | 16.12                    |                        | 17.0                | 0.0      |     |
| Channel                    |            |         |           | 633900                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90                         | QPSK       | 1       | 1         |                       | 15.94                    | 16.07                  | 15.92               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |     |
| 80                         | QPSK       | 1       | 1         |                       | 16.05                    | 15.91                  | 16.06               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |
| 70                         | QPSK       | 1       | 1         |                       | 16.12                    | 16.07                  | 15.91               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60                         | QPSK       | 1       | 1         |                       | 16.09                    | 16.10                  | 16.09               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50                         | QPSK       | 1       | 1         |                       | 16.05                    | 16.00                  | 15.98               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40                         | QPSK       | 1       | 1         |                       | 15.93                    | 15.94                  | 15.98               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30                         | QPSK       | 1       | 1         |                       | 16.12                    | 16.04                  | 16.01               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |     |
| 25                         | QPSK       | 1       | 1         |                       | 16.00                    | 16.01                  | 16.13               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630568                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20                         | QPSK       | 1       | 1         |                       | 16.01                    | 15.92                  | 16.06               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15                         | QPSK       | 1       | 1         |                       | 15.98                    | 15.95                  | 16.12               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10                         | QPSK       | 1       | 1         |                       | 16.05                    | 16.06                  | 16.08               | 17.0     | 0.0 |

| Par270 n77 Ant4 DSI4 |            |         |           |                      |                         |                       |                     |          |  |
|----------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000               | 656000                  | 662000                | 15.7                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3750                 | 3840                    | 3930                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 15.39                | 15.52                   | 15.57                 |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 15.45                | 15.42                   | 15.41                 |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 15.42                | 15.49                   | 15.37                 | 15.7                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 15.48                | 15.51                   | 15.44                 |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 15.55                | 15.59                   | 15.38                 |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 15.50                | 15.49                   | 15.57                 |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 15.55                | 15.55                   | 15.39                 | 15.7                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 15.40                | 15.47                   | 15.37                 |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 15.55                | 15.61                   | 15.58                 |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 15.56                | 15.48                   | 15.40                 |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 15.44                | 15.55                   | 15.38                 | 15.7                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 15.42                | 15.56                   | 15.42                 |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 15.53                | 15.52                   | 15.53                 |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 15.45                | 15.55                   | 15.53                 |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 15.50                | 15.54                   | 15.59                 | 15.7                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 15.38                | 15.45                   | 15.47                 |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 15.34                | 15.50                   | 15.45                 |                     |          |  |
| Channel              |            |         |           | 649668               | 650000                  | 649334                | 15.7                | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3745.02              | 3840                    | 3935.01               |                     |          |  |
| 90                   | QPSK       | 1       | 1         | 15.40                | 15.57                   | 15.39                 |                     |          |  |
| Channel              |            |         |           | 649334               | 656000                  | 662668                | 15.7                | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 3740.01              | 3840                    | 3940.02               |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 15.46                | 15.50                   | 15.41                 |                     | 0.0      |  |
| Channel              |            |         |           | 648000               | 656000                  | 663000                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3735                 | 3840                    | 3945                  |                     |          |  |
| 70                   | QPSK       | 1       | 1         | 15.46                | 15.50                   | 15.47                 | 15.7                | 0.0      |  |
| Channel              |            |         |           | 648668               | 656000                  | 663334                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3730.02              | 3840                    | 3950.01               |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 15.49                | 15.50                   | 15.42                 |                     | 0.0      |  |
| Channel              |            |         |           | 648334               | 656000                  | 663668                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3725.01              | 3840                    | 3955.02               |                     |          |  |
| 50                   | QPSK       | 1       | 1         | 15.41                | 15.59                   | 15.51                 | 15.7                | 0.0      |  |
| Channel              |            |         |           | 648000               | 656000                  | 664000                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3720                 | 3840                    | 3960                  |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 15.42                | 15.58                   | 15.51                 | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647668               | 656000                  | 664334                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3715.02              | 3840                    | 3965.01               |                     |          |  |
| 30                   | QPSK       | 1       | 1         | 15.43                | 15.40                   | 15.50                 | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647500               | 656000                  | 664500                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3712.5               | 3840                    | 3967.5                |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 15.46                | 15.44                   | 15.36                 | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647334               | 656000                  | 664668                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3710.01              | 3840                    | 3970.02               |                     |          |  |
| 20                   | QPSK       | 1       | 1         | 15.40                | 15.42                   | 15.42                 | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647168               | 656000                  | 664834                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3707.52              | 3840                    | 3972.51               |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 15.36                | 15.57                   | 15.51                 | 15.7                | 0.0      |  |
| Channel              |            |         |           | 647000               | 656000                  | 665000                |                     |          |  |
| Frequency (MHz)      |            |         |           | 3705                 | 3840                    | 3975                  |                     |          |  |
| 10                   | QPSK       | 1       | 1         | 15.40                | 15.42                   | 15.43                 |                     | 15.7     |  |

| Part27Q n77 Ant4 DSI4 |            |         |           |                      |                         |                       |                     |          |  |
|-----------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Middle Ch / Freq. | Power High Ch / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                      |                         | 633334                | 15.7                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                      |                         | 3500.01               |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                      |                         | 15.50                 |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                      |                         | 15.53                 |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                      |                         | 15.52                 | 15.7                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                      |                         | 15.63                 |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                      |                         | 15.63                 |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                      |                         | 15.51                 |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                      |                         | 15.49                 | 15.7                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                      |                         | 15.56                 |                     |          |  |
| 100                   | QPSK       | 1       | 137       |                      |                         | 15.65                 |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                      |                         | 15.64                 |                     |          |  |
| 100                   | QPSK       | 135     | 0         |                      |                         | 15.54                 | 15.7                | 0.0      |  |
| 100                   | QPSK       | 135     | 69        |                      |                         | 15.61                 |                     |          |  |
| 100                   | QPSK       | 135     | 138       |                      |                         | 15.60                 |                     |          |  |
| 100                   | QPSK       | 270     | 0         |                      |                         | 15.57                 |                     |          |  |
| 100                   | 16QAM      | 1       | 1         |                      |                         | 15.54                 | 15.7                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         |                      |                         | 15.45                 |                     |          |  |
| 100                   | 256QAM     | 1       | 1         |                      |                         | 15.59                 |                     |          |  |
| Channel               |            |         |           | 633000               | 633334                  | 633668                | 15.7                | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                 | 3500.01                 | 3505.02               |                     |          |  |
| 90                    | QPSK       | 1       | 1         | 15.45                | 15.47                   | 15.64                 |                     | 0.0      |  |
| Channel               |            |         |           | 632668               | 633334                  | 634000                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3490.02              | 3500.01                 | 3510                  |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 15.49                | 15.47                   | 15.63                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 632334               | 633334                  | 634334                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3485.01              | 3500.01                 | 3515.01               |                     |          |  |
| 70                    | QPSK       | 1       | 1         | 15.51                | 15.56                   | 15.52                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 632000               | 633334                  | 634668                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3480                 | 3500.01                 | 3520.02               |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 15.65                | 15.62                   | 15.55                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 631668               | 633334                  | 635000                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3475.02              | 3500.01                 | 3525                  |                     |          |  |
| 50                    | QPSK       | 1       | 1         | 15.64                | 15.56                   | 15.60                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 631334               | 633334                  | 635334                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3470.01              | 3500.01                 | 3530.01               |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 15.49                | 15.51                   | 15.66                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 631000               | 633334                  | 635668                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3465                 | 3500.01                 | 3535.02               |                     |          |  |
| 30                    | QPSK       | 1       | 1         | 15.57                | 15.56                   | 15.48                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 630834               | 633334                  | 635834                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3462.51              | 3500.01                 | 3537.51               |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 15.49                | 15.50                   | 15.61                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 630668               | 633334                  | 636000                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3460.02              | 3500.01                 | 3540                  |                     |          |  |
| 20                    | QPSK       | 1       | 1         | 15.54                | 15.46                   | 15.49                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 630500               | 633334                  | 636168                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3457.5               | 3500.01                 | 3542.52               |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 15.56                | 15.51                   | 15.54                 | 15.7                | 0.0      |  |
| Channel               |            |         |           | 630334               | 633334                  | 636334                |                     |          |  |
| Frequency (MHz)       |            |         |           | 3455.01              | 3500.01                 | 3545.01               |                     |          |  |
| 10                    | QPSK       | 1       | 1         | 15.63                | 15.43                   | 15.64                 |                     | 15.7     |  |

| Part270 n78 PC2/3 Ant4 DSI4 |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 17.0                | 0.0      |     |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 16.60                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 16.49                    |                        | 17.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 16.59                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 16.53                    |                        |                     |          |     |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 16.61                    |                        | 17.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 16.60                    |                        | 17.0                | 0.0      |     |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 16.51                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 16.43                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 137       |                       | 16.65                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 16.50                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 0         |                       | 16.43                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 69        |                       | 16.60                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 138       |                       | 16.58                    |                        | 17.0                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 16.52                    |                        | 17.0                | 0.0      |     |
| 100                         | 16QAM      | 1       | 1         |                       | 16.54                    |                        | 17.0                | 0.0      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 16.47                    |                        | 17.0                | 0.0      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 16.52                    |                        | 17.0                | 0.0      |     |
| Channel                     |            |         |           | 648668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 16.52                    | 16.54                  | 16.51               | 17.0     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 16.53                    | 16.41                  | 16.39               | 17.0     | 0.0 |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 16.37                    | 16.49                  | 16.51               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 16.47                    | 16.36                  | 16.53               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 16.45                    | 16.39                  | 16.43               | 17.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 16.54                    | 16.35                  | 16.57               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 16.57                    | 16.39                  | 16.55               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 16.34                    | 16.34                  | 16.48               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |
| 20                          | QPSK       | 1       | 1         |                       | 16.37                    | 16.37                  | 16.56               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 16.49                    | 16.40                  | 16.40               | 17.0     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 16.40                    | 16.53                  | 16.44               | 17.0     | 0.0 |

| Part27Q 78 PC2/3 Ant4 DSI4 |            |         |           |                       |                          |                        |                     |          |     |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                    |            |         |           | 633334                |                          | 3500.01                | 17.0                | 0.0      |     |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 16.68                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 16.57                    |                        | 17.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 16.68                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 16.58                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 16.63                    |                        | 17.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 16.55                    |                        | 17.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 16.70                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 1         |                       | 16.56                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 137       |                       | 16.75                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 271       |                       | 16.61                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 0         |                       | 16.70                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 69        |                       | 16.72                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 138       |                       | 16.68                    |                        | 17.0                | 0.0      |     |
| 100                        | QPSK       | 270     | 0         |                       | 16.64                    |                        | 17.0                | 0.0      |     |
| 100                        | 16QAM      | 1       | 1         |                       | 16.69                    |                        | 17.0                | 0.0      |     |
| 100                        | 64QAM      | 1       | 1         |                       | 16.67                    |                        | 17.0                | 0.0      |     |
| 100                        | 256QAM     | 1       | 1         |                       | 16.62                    |                        | 17.0                | 0.0      |     |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90                         | QPSK       | 1       | 1         |                       | 16.35                    | 16.49                  | 16.40               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |     |
| 80                         | QPSK       | 1       | 1         |                       | 16.51                    | 16.53                  | 16.52               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |
| 70                         | QPSK       | 1       | 1         |                       | 16.48                    | 16.34                  | 16.38               | 17.0     | 0.0 |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60                         | QPSK       | 1       | 1         |                       | 16.33                    | 16.55                  | 16.39               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50                         | QPSK       | 1       | 1         |                       | 16.32                    | 16.41                  | 16.48               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40                         | QPSK       | 1       | 1         |                       | 16.40                    | 16.56                  | 16.50               | 17.0     | 0.0 |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30                         | QPSK       | 1       | 1         |                       | 16.42                    | 16.46                  | 16.49               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |     |
| 25                         | QPSK       | 1       | 1         |                       | 16.35                    | 16.55                  | 16.42               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20                         | QPSK       | 1       | 1         |                       | 16.26                    | 16.37                  | 16.48               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15                         | QPSK       | 1       | 1         |                       | 16.34                    | 16.37                  | 16.40               | 17.0     | 0.0 |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10                         | QPSK       | 1       | 1         |                       | 16.38                    | 16.35                  | 16.55               | 17.0     | 0.0 |

| n7 Ant5 DSI4    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 19.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2535                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 17.59                 | 17.96                    | 17.79                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 67        | 17.61                 | 17.93                    | 17.72                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 17.53                 | 17.99                    | 17.77                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 17.72                 | 17.98                    | 17.87                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 35        | 17.67                 | 17.86                    | 17.91                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 17.52                 | 17.93                    | 17.68                  | 19.0                | 0.0      |
| 50              | PI/2 BPSK  | 128     | 0         | 17.57                 | 17.89                    | 17.83                  | 19.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 17.72                 | 18.06                    | 17.90                  |                     |          |
| 50              | QPSK       | 1       | 67        | 17.68                 | 17.95                    | 17.81                  |                     |          |
| 50              | QPSK       | 1       | 131       | 17.50                 | 18.03                    | 17.82                  | 19.0                | 0.0      |
| 50              | QPSK       | 64      | 0         | 17.71                 | 18.04                    | 17.81                  |                     |          |
| 50              | QPSK       | 64      | 35        | 17.52                 | 18.05                    | 17.71                  |                     |          |
| 50              | QPSK       | 64      | 69        | 17.62                 | 17.98                    | 17.80                  | 19.0                | 0.0      |
| 50              | QPSK       | 128     | 0         | 17.62                 | 17.84                    | 17.69                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 17.72                 | 17.87                    | 17.88                  | 19.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         | 17.53                 | 18.01                    | 17.68                  | 19.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         | 17.62                 | 17.99                    | 17.74                  | 19.0                | 0.0      |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   |                     |          |
| 40              | QPSK       | 1       | 1         | 17.69                 | 17.99                    | 17.69                  | 19.0                | 0.0      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 17.54                 | 17.96                    | 17.74                  | 19.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 17.51                 | 18.07                    | 17.68                  | 19.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 1         | 17.63                 | 18.01                    | 17.72                  | 19.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 17.60                 | 17.98                    | 17.84                  | 19.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 17.72                 | 18.07                    | 17.71                  | 19.0                | 0.0      |

| n38 Ant5 DSI4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 518004                | 519000                   | 519996                 | 19.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 17.87                 | 18.03                    | 18.08                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 53        | 18.10                 | 18.13                    | 17.95                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 104       | 17.98                 | 18.16                    | 18.11                  | 19.5                | 0.0      |  |
| 40              | PI/2 BPSK  | 50      | 0         | 18.06                 | 18.09                    | 18.02                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 28        | 18.03                 | 18.03                    | 18.02                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 56        | 18.05                 | 18.05                    | 18.09                  |                     |          |  |
| 40              | PI/2 BPSK  | 100     | 0         | 17.92                 | 18.15                    | 17.99                  | 19.5                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 17.88                 | 18.11                    | 18.15                  |                     |          |  |
| 40              | QPSK       | 1       | 53        | 18.08                 | 18.19                    | 18.15                  |                     |          |  |
| 40              | QPSK       | 1       | 104       | 17.93                 | 18.13                    | 18.04                  |                     |          |  |
| 40              | QPSK       | 50      | 0         | 18.05                 | 18.16                    | 18.02                  | 19.5                | 0.0      |  |
| 40              | QPSK       | 50      | 28        | 17.97                 | 18.17                    | 17.96                  |                     |          |  |
| 40              | QPSK       | 50      | 56        | 17.91                 | 18.10                    | 17.94                  |                     |          |  |
| 40              | QPSK       | 100     | 0         | 17.93                 | 18.18                    | 18.04                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 18.03                 | 18.00                    | 17.99                  | 19.5                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 17.93                 | 18.10                    | 18.11                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 17.98                 | 18.06                    | 17.97                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 17.98                 | 18.10                    | 18.11                  |                     |          |  |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | 19.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2635.01               | 2595                     | 2604.99                |                     |          |  |
| 30              | QPSK       | 1       | 1         | 17.99                 | 18.04                    | 18.07                  |                     | 0.0      |  |
| Channel         |            |         |           | 516504                | 519000                   | 521496                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2682.52               | 2595                     | 2607.48                |                     |          |  |
| 25              | QPSK       | 1       | 1         | 17.97                 | 18.07                    | 18.15                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 18.00                 | 18.14                    | 18.10                  |                     | 0.0      |  |
| Channel         |            |         |           | 515502                | 519000                   | 522498                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |  |
| 15              | QPSK       | 1       | 1         | 18.09                 | 18.18                    | 17.99                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 515004                | 519000                   | 522996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |  |
| 10              | QPSK       | 1       | 1         | 18.08                 | 18.05                    | 17.94                  |                     | 0.0      |  |

| n41 Ant5 DSI4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 19.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 1         | 17.99                 | 18.01                    | 18.02                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 137       | 17.88                 | 18.07                    | 18.04                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 271       | 18.04                 | 17.96                    | 17.97                  | 19.5                | 0.0      |  |
| 100             | PI/2 BPSK  | 135     | 0         | 17.99                 | 17.97                    | 17.93                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 69        | 17.99                 | 17.95                    | 18.10                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 138       | 18.01                 | 18.13                    | 18.01                  |                     |          |  |
| 100             | PI/2 BPSK  | 270     | 0         | 18.01                 | 18.00                    | 17.92                  | 19.5                | 0.0      |  |
| 100             | QPSK       | 1       | 1         | 17.96                 | 18.17                    | 17.92                  |                     |          |  |
| 100             | QPSK       | 1       | 137       | 18.09                 | 18.20                    | 18.10                  |                     |          |  |
| 100             | QPSK       | 1       | 271       | 18.10                 | 18.17                    | 17.98                  |                     |          |  |
| 100             | QPSK       | 135     | 0         | 17.93                 | 18.00                    | 18.11                  | 19.5                | 0.0      |  |
| 100             | QPSK       | 135     | 69        | 18.03                 | 18.13                    | 18.05                  |                     |          |  |
| 100             | QPSK       | 135     | 138       | 17.93                 | 18.09                    | 18.03                  |                     |          |  |
| 100             | QPSK       | 270     | 0         | 18.02                 | 18.08                    | 18.06                  |                     |          |  |
| 100             | 16QAM      | 1       | 1         | 17.95                 | 18.12                    | 17.99                  | 19.5                | 0.0      |  |
| 100             | 64QAM      | 1       | 1         | 17.95                 | 18.03                    | 18.08                  |                     |          |  |
| 100             | 256QAM     | 1       | 1         | 17.95                 | 18.04                    | 17.88                  |                     |          |  |
| 100             | 256QAM     | 1       | 1         | 17.95                 | 18.03                    | 18.08                  |                     |          |  |
| Channel         |            |         |           | 508200                | 518598                   | 528998                 | 19.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |  |
| 90              | QPSK       | 1       | 1         | 17.99                 | 18.18                    | 18.03                  |                     | 0.0      |  |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |          |  |
| 80              | QPSK       | 1       | 1         | 17.95                 | 18.12                    | 18.01                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   |                     |          |  |
| 70              | QPSK       | 1       | 1         | 18.00                 | 18.01                    | 17.96                  |                     | 0.0      |  |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |  |
| 60              | QPSK       | 1       | 1         | 18.06                 | 18.05                    | 17.97                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |  |
| 50              | QPSK       | 1       | 1         | 17.95                 | 18.12                    | 17.97                  |                     | 0.0      |  |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 17.98                 | 18.14                    | 18.00                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |  |
| 30              | QPSK       | 1       | 1         | 18.10                 | 17.99                    | 18.02                  |                     | 0.0      |  |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |  |
| 20              | QPSK       | 1       | 1         | 17.98                 | 18.00                    | 18.06                  | 19.5                | 0.0      |  |
| Channel         |            |         |           | 500100                | 518598                   | 536996                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |  |
| 15              | QPSK       | 1       | 1         | 18.05                 | 18.18                    | 18.04                  |                     | 0.0      |  |
| Channel         |            |         |           | 500202                | 518598                   | 537000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2501.01               | 2592.99                  | 2685                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 17.89                 | 18.00                    | 17.96                  |                     | 0.0      |  |

| Par270 n77 Ant5 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 650000                | 656000                   | 662000                 | 18.0                | 0.0      |  |
| Frequency (MHz)      |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 1         | 17.24                 | 17.44                    | 17.38                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 137       | 17.35                 | 17.44                    | 17.27                  |                     |          |  |
| 100                  | PI/2 BPSK  | 1       | 271       | 17.29                 | 17.29                    | 17.34                  | 18.0                | 0.0      |  |
| 100                  | PI/2 BPSK  | 135     | 0         | 17.22                 | 17.32                    | 17.35                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 69        | 17.23                 | 17.33                    | 17.25                  |                     |          |  |
| 100                  | PI/2 BPSK  | 135     | 138       | 17.29                 | 17.40                    | 17.37                  |                     |          |  |
| 100                  | PI/2 BPSK  | 270     | 0         | 17.16                 | 17.41                    | 17.32                  | 18.0                | 0.0      |  |
| 100                  | QPSK       | 1       | 1         | 17.24                 | 17.50                    | 17.25                  |                     |          |  |
| 100                  | QPSK       | 1       | 137       | 17.36                 | 17.52                    | 17.44                  |                     |          |  |
| 100                  | QPSK       | 1       | 271       | 17.21                 | 17.38                    | 17.39                  |                     |          |  |
| 100                  | QPSK       | 135     | 0         | 17.35                 | 17.43                    | 17.35                  | 18.0                | 0.0      |  |
| 100                  | QPSK       | 135     | 69        | 17.14                 | 17.46                    | 17.37                  |                     |          |  |
| 100                  | QPSK       | 135     | 138       | 17.33                 | 17.37                    | 17.45                  |                     |          |  |
| 100                  | QPSK       | 270     | 0         | 17.28                 | 17.51                    | 17.35                  |                     |          |  |
| 100                  | 16QAM      | 1       | 1         | 17.16                 | 17.46                    | 17.22                  | 18.0                | 0.0      |  |
| 100                  | 64QAM      | 1       | 1         | 17.24                 | 17.51                    | 17.33                  |                     |          |  |
| 100                  | 256QAM     | 1       | 1         | 17.26                 | 17.52                    | 17.32                  |                     |          |  |
| Channel              |            |         |           | 649668                | 656000                   | 662334                 |                     | 18.0     |  |
| Frequency (MHz)      |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |          |  |
| 90                   | QPSK       | 1       | 1         | 17.17                 | 17.45                    | 17.37                  |                     | 18.0     |  |
| Channel              |            |         |           | 649334                | 656000                   | 662668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                   | QPSK       | 1       | 1         | 17.29                 | 17.47                    | 17.35                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 649000                | 656000                   | 663000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3735                  | 3840                     | 3945                   |                     |          |  |
| 70                   | QPSK       | 1       | 1         | 17.29                 | 17.51                    | 17.42                  |                     | 18.0     |  |
| Channel              |            |         |           | 648668                | 656000                   | 663334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                   | QPSK       | 1       | 1         | 17.37                 | 17.33                    | 17.39                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 648334                | 656000                   | 663668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |
| 50                   | QPSK       | 1       | 1         | 17.20                 | 17.30                    | 17.39                  |                     | 18.0     |  |
| Channel              |            |         |           | 648000                | 656000                   | 664000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                   | QPSK       | 1       | 1         | 17.32                 | 17.35                    | 17.36                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 647668                | 656000                   | 664334                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                   | QPSK       | 1       | 1         | 17.35                 | 17.51                    | 17.37                  |                     | 18.0     |  |
| Channel              |            |         |           | 647500                | 656000                   | 664500                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                   | QPSK       | 1       | 1         | 17.35                 | 17.41                    | 17.44                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 647334                | 656000                   | 664668                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                   | QPSK       | 1       | 1         | 17.37                 | 17.40                    | 17.29                  |                     | 18.0     |  |
| Channel              |            |         |           | 647168                | 656000                   | 664834                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                   | QPSK       | 1       | 1         | 17.20                 | 17.42                    | 17.24                  | 18.0                | 0.0      |  |
| Channel              |            |         |           | 647000                | 656000                   | 665000                 |                     |          |  |
| Frequency (MHz)      |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |
| 10                   | QPSK       | 1       | 1         | 17.26                 | 17.47                    | 17.29                  |                     | 18.0     |  |

| Part27Q n77 Ant5 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           |                       |                          | 633334                 | 18.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           |                       |                          | 3500.01                |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 1         |                       |                          | 17.41                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 137       |                       |                          | 17.43                  |                     |          |  |
| 100                   | PI/2 BPSK  | 1       | 271       |                       |                          | 17.50                  | 18.0                | 0.0      |  |
| 100                   | PI/2 BPSK  | 135     | 0         |                       |                          | 17.48                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 69        |                       |                          | 17.35                  |                     |          |  |
| 100                   | PI/2 BPSK  | 135     | 138       |                       |                          | 17.38                  |                     |          |  |
| 100                   | PI/2 BPSK  | 270     | 0         |                       |                          | 17.49                  | 18.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                       |                          | 17.31                  |                     |          |  |
| 100                   | QPSK       | 1       | 137       |                       |                          | 17.51                  |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       |                          | 17.50                  | 18.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 0         |                       |                          | 17.35                  |                     |          |  |
| 100                   | QPSK       | 135     | 69        |                       |                          | 17.36                  |                     |          |  |
| 100                   | QPSK       | 135     | 138       |                       |                          | 17.31                  |                     |          |  |
| 100                   | QPSK       | 270     | 0         |                       |                          | 17.48                  | 18.0                | 0.0      |  |
| 100                   | 16QAM      | 1       | 1         |                       |                          | 17.36                  |                     |          |  |
| 100                   | 64QAM      | 1       | 1         |                       |                          | 17.40                  |                     |          |  |
| 100                   | 256QAM     | 1       | 1         |                       |                          | 17.52                  |                     |          |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 | 18.0                | 0.0      |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                    | QPSK       | 1       | 1         | 17.08                 | 17.09                    | 17.13                  |                     | 18.0     |  |
| Channel               |            |         |           | 632668                | 633334                   | 634000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 17.13                 | 17.29                    | 17.28                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 632334                | 633334                   | 634334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                    | QPSK       | 1       | 1         | 17.12                 | 17.28                    | 17.22                  |                     | 18.0     |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 17.21                 | 17.16                    | 17.21                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 631668                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                    | QPSK       | 1       | 1         | 17.16                 | 17.26                    | 17.14                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 631334                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 17.14                 | 17.24                    | 17.27                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                    | QPSK       | 1       | 1         | 17.16                 | 17.17                    | 17.21                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 630834                | 633334                   | 635834                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 17.15                 | 17.15                    | 17.24                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 630568                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                    | QPSK       | 1       | 1         | 17.14                 | 17.22                    | 17.27                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 630500                | 633334                   | 636168                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 17.16                 | 17.15                    | 17.13                  | 18.0                | 0.0      |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                    | QPSK       | 1       | 1         | 17.19                 | 17.29                    | 17.12                  |                     | 18.0     |  |

| Part270 n78 PC2/3 Ant5 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                     |            |         |           | 650000                | 650000                   | 650000                 | 19.0                | 0.0      |  |
| Frequency (MHz)             |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 1         |                       | 18.29                    |                        | 19.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 1       | 137       |                       | 18.27                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 1       | 271       |                       | 18.12                    |                        |                     |          |  |
| 100                         | PI/2 BPSK  | 135     | 0         |                       | 18.16                    |                        | 19.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 69        |                       | 18.28                    |                        | 19.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 135     | 138       |                       | 18.08                    |                        | 19.0                | 0.0      |  |
| 100                         | PI/2 BPSK  | 270     | 0         |                       | 18.28                    |                        | 19.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 1         |                       | 18.08                    |                        | 19.0                | 0.0      |  |
| 100                         | QPSK       | 1       | 137       |                       | 18.32                    |                        |                     |          |  |
| 100                         | QPSK       | 1       | 271       |                       | 18.30                    |                        |                     |          |  |
| 100                         | QPSK       | 135     | 0         |                       | 18.13                    |                        | 19.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 69        |                       | 18.29                    |                        | 19.0                | 0.0      |  |
| 100                         | QPSK       | 135     | 138       |                       | 18.13                    |                        | 19.0                | 0.0      |  |
| 100                         | QPSK       | 270     | 0         |                       | 18.14                    |                        | 19.0                | 0.0      |  |
| 100                         | 16QAM      | 1       | 1         |                       | 18.20                    |                        | 19.0                | 0.0      |  |
| 100                         | 64QAM      | 1       | 1         |                       | 18.30                    |                        | 19.0                | 0.0      |  |
| 100                         | 256QAM     | 1       | 1         |                       | 18.16                    |                        | 19.0                | 0.0      |  |
| Channel                     |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                          | QPSK       | 1       | 1         |                       | 18.09                    | 18.11                  | 18.16               | 0.0      |  |
| Channel                     |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                          | QPSK       | 1       | 1         |                       | 18.13                    | 18.07                  | 18.14               | 0.0      |  |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                          | QPSK       | 1       | 1         |                       | 18.14                    | 17.98                  | 18.01               | 0.0      |  |
| Channel                     |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                          | QPSK       | 1       | 1         |                       | 18.07                    | 18.07                  | 18.14               | 0.0      |  |
| Channel                     |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                          | QPSK       | 1       | 1         |                       | 18.12                    | 18.08                  | 18.16               | 0.0      |  |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                          | QPSK       | 1       | 1         |                       | 18.04                    | 18.02                  | 18.16               | 0.0      |  |
| Channel                     |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                          | QPSK       | 1       | 1         |                       | 17.99                    | 18.04                  | 18.05               | 0.0      |  |
| Channel                     |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                          | QPSK       | 1       | 1         |                       | 18.03                    | 18.16                  | 18.18               | 0.0      |  |
| Channel                     |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                          | QPSK       | 1       | 1         |                       | 18.05                    | 17.99                  | 18.17               | 0.0      |  |
| Channel                     |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                          | QPSK       | 1       | 1         |                       | 18.00                    | 18.09                  | 18.18               | 0.0      |  |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                          | QPSK       | 1       | 1         |                       | 18.12                    | 18.09                  | 18.13               | 0.0      |  |

| Part27Q 78 PC2/3 Ant5 DSI4 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       | 633334                   |                        | 3500.01             |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 18.07                    |                        | 19.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 18.07                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 18.18                    |                        |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 18.06                    |                        | 19.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 18.13                    |                        | 19.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 18.24                    |                        | 19.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 18.22                    |                        | 19.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         |                       | 18.17                    |                        | 19.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 137       |                       | 18.25                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 271       |                       | 18.04                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 0         |                       | 18.09                    |                        | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        |                       | 18.15                    |                        | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       |                       | 18.12                    |                        | 19.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         |                       | 18.25                    |                        | 19.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         |                       | 18.08                    |                        | 19.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         |                       | 18.06                    |                        | 19.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         |                       | 18.05                    |                        | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                         | QPSK       | 1       | 1         |                       | 18.07                    | 18.09                  | 18.08               | 0.0      |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                         | QPSK       | 1       | 1         |                       | 18.20                    | 18.16                  | 18.24               | 0.0      |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                         | QPSK       | 1       | 1         |                       | 18.12                    | 18.27                  | 18.09               | 0.0      |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                         | QPSK       | 1       | 1         |                       | 18.21                    | 18.14                  | 18.10               | 0.0      |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                         | QPSK       | 1       | 1         |                       | 18.17                    | 18.25                  | 18.29               | 0.0      |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                         | QPSK       | 1       | 1         |                       | 18.08                    | 18.27                  | 18.14               | 0.0      |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                         | QPSK       | 1       | 1         |                       | 18.20                    | 18.16                  | 18.08               | 0.0      |  |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                         | QPSK       | 1       | 1         |                       | 18.14                    | 18.28                  | 18.08               | 0.0      |  |
| Channel                    |            |         |           | 630568                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                         | QPSK       | 1       | 1         |                       | 18.06                    | 18.29                  | 18.06               | 0.0      |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                         | QPSK       | 1       | 1         |                       | 18.21                    | 18.16                  | 18.08               | 0.0      |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                         | QPSK       | 1       | 1         |                       | 18.28                    | 18.26                  | 18.08               | 0.0      |  |

## Full Power Mode\_Other PA

### DFT-30

| n7 Ant0 Default |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    |                        |             |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 24.07                    | 24.12                       | 24.03                     | 25.0                   | 0.0         |
| 50              | PI/2 BPSK  | 1       | 67        | 24.00                    | 24.03                       | 23.99                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 23.80                    | 23.89                       | 23.81                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 0         | 23.67                    | 23.72                       | 23.66                     | 24.5                   | 0.5         |
| 50              | PI/2 BPSK  | 64      | 35        | 24.03                    | 24.15                       | 24.11                     | 25.0                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 69        | 23.64                    | 23.66                       | 23.61                     | 24.5                   | 0.5         |
| 50              | PI/2 BPSK  | 128     | 0         | 23.68                    | 23.62                       | 23.65                     |                        |             |
| 50              | QPSK       | 1       | 1         | 24.11                    | 24.19                       | 24.14                     |                        |             |
| 50              | QPSK       | 1       | 67        | 23.86                    | 23.97                       | 23.94                     | 25.0                   | 0.0         |
| 50              | QPSK       | 1       | 131       | 23.87                    | 23.88                       | 23.79                     |                        |             |
| 50              | QPSK       | 64      | 0         | 23.17                    | 23.26                       | 23.20                     | 24.0                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 24.10                    | 24.12                       | 24.06                     | 25.0                   | 0.0         |
| 50              | QPSK       | 64      | 69        | 23.17                    | 23.14                       | 23.15                     | 24.0                   | 1.0         |
| 50              | QPSK       | 128     | 0         | 23.15                    | 23.22                       | 23.18                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 23.15                    | 23.25                       | 23.13                     | 24.0                   | 1.0         |
| 50              | 64QAM      | 1       | 1         | 21.56                    | 21.63                       | 21.52                     | 22.5                   | 2.5         |
| 50              | 256QAM     | 1       | 1         | 19.68                    | 19.77                       | 19.71                     | 20.5                   | 4.5         |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 24.00                    | 24.05                       | 24.02                     | 25.0                   | 0.0         |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 23.98                    | 24.10                       | 24.04                     | 25.0                   | 0.0         |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    | (dBm)                  | (dB)        |
| 25              | QPSK       | 1       | 1         | 23.97                    | 24.11                       | 24.08                     | 25.0                   | 0.0         |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 24.08                    | 24.05                       | 24.11                     | 25.0                   | 0.0         |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    | (dBm)                  | (dB)        |
| 15              | QPSK       | 1       | 1         | 23.98                    | 24.11                       | 24.00                     | 25.0                   | 0.0         |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      | (dBm)                  | (dB)        |
| 10              | QPSK       | 1       | 1         | 23.97                    | 24.14                       | 24.04                     | 25.0                   | 0.0         |

| n7 Ant1 Default |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 22.53                 | 22.55                    | 22.51                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 67        | 22.56                 | 22.52                    | 22.54                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 22.57                 | 22.54                    | 22.52                  | 23.5                | 0.5      |
| 50              | PI/2 BPSK  | 64      | 0         | 22.05                 | 22.01                    | 22.03                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 35        | 22.58                 | 22.61                    | 22.53                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 69        | 22.04                 | 22.05                    | 22.07                  |                     |          |
| 50              | PI/2 BPSK  | 128     | 0         | 22.09                 | 22.12                    | 22.02                  | 24.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 22.58                 | 22.69                    | 22.52                  |                     |          |
| 50              | QPSK       | 1       | 67        | 22.54                 | 22.59                    | 22.58                  |                     |          |
| 50              | QPSK       | 1       | 131       | 22.56                 | 22.54                    | 22.61                  |                     |          |
| 50              | QPSK       | 64      | 0         | 21.56                 | 21.63                    | 21.54                  | 23.0                | 1.0      |
| 50              | QPSK       | 64      | 35        | 22.62                 | 22.66                    | 22.55                  |                     |          |
| 50              | QPSK       | 64      | 69        | 21.55                 | 21.61                    | 21.56                  |                     |          |
| 50              | QPSK       | 128     | 0         | 21.56                 | 21.60                    | 21.54                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 22.43                 | 22.49                    | 22.45                  | 23.0                | 1.0      |
| 50              | 64QAM      | 1       | 1         | 20.98                 | 21.05                    | 20.92                  |                     |          |
| 50              | 256QAM     | 1       | 1         | 19.42                 | 19.46                    | 19.38                  |                     |          |
| Channel         |            |         |           | 508000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   |                     |          |
| 40              | QPSK       | 1       | 1         | 22.58                 | 22.68                    | 22.55                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 22.55                 | 22.67                    | 22.59                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 22.57                 | 22.66                    | 22.51                  |                     |          |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 1         | 22.64                 | 22.62                    | 22.54                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 22.65                 | 22.68                    | 22.52                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.61                 | 22.53                    | 22.56                  |                     |          |

| n7 Ant2 Default |            |         |           |                         |                            |                          |                        |             |  |
|-----------------|------------|---------|-----------|-------------------------|----------------------------|--------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch / Freq. | Power Middle<br>Ch / Freq. | Power High<br>Ch / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 505000                  | 507000                     | 509000                   | 23.5                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 2525                    | 2535                       | 2545                     |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 1         | 22.11                   | 22.08                      | 22.05                    | 23.5                   | 0.0         |  |
| 50              | PI/2 BPSK  | 1       | 67        | 22.12                   | 22.12                      | 22.06                    |                        |             |  |
| 50              | PI/2 BPSK  | 1       | 131       | 21.99                   | 22.02                      | 21.94                    |                        |             |  |
| 50              | PI/2 BPSK  | 64      | 0         | 21.56                   | 21.57                      | 21.45                    | 23.0                   | 0.5         |  |
| 50              | PI/2 BPSK  | 64      | 35        | 22.12                   | 22.12                      | 22.07                    | 23.5                   | 0.0         |  |
| 50              | PI/2 BPSK  | 64      | 69        | 21.46                   | 21.53                      | 21.41                    | 23.0                   | 0.5         |  |
| 50              | PI/2 BPSK  | 128     | 0         | 21.55                   | 21.58                      | 21.54                    | 23.5                   | 0.0         |  |
| 50              | QPSK       | 1       | 1         | 22.06                   | 22.18                      | 22.04                    |                        |             |  |
| 50              | QPSK       | 1       | 67        | 22.04                   | 22.13                      | 22.13                    |                        |             |  |
| 50              | QPSK       | 1       | 131       | 22.00                   | 22.01                      | 22.00                    | 22.5                   | 1.0         |  |
| 50              | QPSK       | 64      | 0         | 21.03                   | 21.13                      | 21.04                    |                        |             |  |
| 50              | QPSK       | 64      | 35        | 22.08                   | 22.18                      | 22.08                    |                        |             |  |
| 50              | QPSK       | 64      | 69        | 20.99                   | 21.08                      | 21.03                    | 22.5                   | 1.0         |  |
| 50              | QPSK       | 128     | 0         | 21.06                   | 21.07                      | 21.00                    |                        |             |  |
| 50              | 16QAM      | 1       | 1         | 21.04                   | 21.09                      | 21.17                    | 22.5                   | 1.0         |  |
| 50              | 64QAM      | 1       | 1         | 19.61                   | 19.66                      | 19.55                    | 21.0                   | 2.5         |  |
| 50              | 256QAM     | 1       | 1         | 17.77                   | 17.85                      | 17.85                    | 19.0                   | 4.5         |  |
| Channel         |            |         |           | 504000                  | 507000                     | 510000                   | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2520                    | 2535                       | 2550                     | (dBm)                  | (dB)        |  |
| 40              | QPSK       | 1       | 1         | 22.04                   | 22.07                      | 21.95                    | 23.5                   | 0.0         |  |
| Channel         |            |         |           | 503000                  | 507000                     | 511000                   | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2515                    | 2535                       | 2555                     | (dBm)                  | (dB)        |  |
| 30              | QPSK       | 1       | 1         | 22.05                   | 22.13                      | 21.96                    | 23.5                   | 0.0         |  |
| Channel         |            |         |           | 502500                  | 507000                     | 511500                   | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2512.5                  | 2535                       | 2557.5                   | (dBm)                  | (dB)        |  |
| 25              | QPSK       | 1       | 1         | 22.05                   | 22.10                      | 21.99                    | 23.5                   | 0.0         |  |
| Channel         |            |         |           | 502000                  | 507000                     | 512000                   | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2510                    | 2535                       | 2560                     | (dBm)                  | (dB)        |  |
| 20              | QPSK       | 1       | 1         | 21.97                   | 22.12                      | 21.98                    | 23.5                   | 0.0         |  |
| Channel         |            |         |           | 501500                  | 507000                     | 512500                   | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2507.5                  | 2535                       | 2562.5                   | (dBm)                  | (dB)        |  |
| 15              | QPSK       | 1       | 1         | 21.99                   | 22.16                      | 21.99                    | 23.5                   | 0.0         |  |
| Channel         |            |         |           | 501000                  | 507000                     | 513000                   | Tune-up limit          | MPR         |  |
| Frequency (MHz) |            |         |           | 2505                    | 2535                       | 2565                     | (dBm)                  | (dB)        |  |
| 10              | QPSK       | 1       | 1         | 21.97                   | 22.05                      | 22.01                    | 23.5                   | 0.0         |  |

| n7 Ant5 Default |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 24.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 22.35                    | 22.42                       | 22.30                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 22.30                    | 22.38                       | 22.27                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 22.15                    | 22.16                       | 22.09                     | 23.5                   | 0.5         |
| 50              | PI/2 BPSK  | 64      | 0         | 21.81                    | 21.97                       | 21.93                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 22.40                    | 22.43                       | 22.34                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 69        | 21.81                    | 21.88                       | 21.86                     |                        |             |
| 50              | PI/2 BPSK  | 128     | 0         | 21.73                    | 21.85                       | 21.83                     | 24.0                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 22.59                    | 22.61                       | 22.50                     |                        |             |
| 50              | QPSK       | 1       | 67        | 22.38                    | 22.42                       | 22.32                     |                        |             |
| 50              | QPSK       | 1       | 131       | 22.15                    | 22.18                       | 22.09                     |                        |             |
| 50              | QPSK       | 64      | 0         | 21.32                    | 21.33                       | 21.26                     | 23.0                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 22.39                    | 22.45                       | 22.43                     |                        |             |
| 50              | QPSK       | 64      | 69        | 21.35                    | 21.38                       | 21.35                     |                        |             |
| 50              | QPSK       | 128     | 0         | 21.33                    | 21.34                       | 21.33                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 21.25                    | 21.36                       | 21.31                     | 23.0                   | 1.0         |
| 50              | 64QAM      | 1       | 1         | 19.75                    | 19.84                       | 19.81                     |                        |             |
| 50              | 256QAM     | 1       | 1         | 17.97                    | 18.04                       | 18.01                     |                        |             |
| Channel         |            |         |           | 508000                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2530                     | 2535                        | 2550                      |                        |             |
| 40              | QPSK       | 1       | 1         | 22.50                    | 22.49                       | 22.50                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 22.54                    | 22.57                       | 22.39                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 22.52                    | 22.60                       | 22.49                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | QPSK       | 1       | 1         | 22.47                    | 22.58                       | 22.48                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.53                    | 22.55                       | 22.49                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 22.54                    | 22.58                       | 22.38                     |                        |             |

## Reduced Power Mode for DSI 0\_Other PA DFT-30

| n7 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 |                     |          |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 24.07                 | 24.12                    | 24.03                  | 25.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 67        | 24.00                 | 24.03                    | 23.99                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 23.80                 | 23.89                    | 23.81                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 23.67                 | 23.72                    | 23.66                  | 24.5                | 0.5      |
| 50              | PI/2 BPSK  | 64      | 35        | 24.03                 | 24.15                    | 24.11                  | 25.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 23.64                 | 23.66                    | 23.61                  | 24.5                | 0.5      |
| 50              | PI/2 BPSK  | 128     | 0         | 23.68                 | 23.62                    | 23.65                  |                     |          |
| 50              | QPSK       | 1       | 1         | 24.11                 | 24.19                    | 24.14                  | 25.0                | 0.0      |
| 50              | QPSK       | 1       | 67        | 23.86                 | 23.97                    | 23.94                  |                     |          |
| 50              | QPSK       | 1       | 131       | 23.87                 | 23.88                    | 23.78                  |                     |          |
| 50              | QPSK       | 64      | 0         | 23.17                 | 23.26                    | 23.20                  | 24.0                | 1.0      |
| 50              | QPSK       | 64      | 35        | 24.10                 | 24.12                    | 24.06                  | 25.0                | 0.0      |
| 50              | QPSK       | 64      | 69        | 23.17                 | 23.14                    | 23.15                  | 24.0                | 1.0      |
| 50              | QPSK       | 128     | 0         | 23.15                 | 23.22                    | 23.18                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 23.15                 | 23.25                    | 23.13                  | 24.0                | 1.0      |
| 50              | 64QAM      | 1       | 1         | 21.56                 | 21.63                    | 21.52                  | 22.5                | 2.5      |
| 50              | 256QAM     | 1       | 1         | 19.68                 | 19.77                    | 19.71                  | 20.5                | 4.5      |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |
| 40              | QPSK       | 1       | 1         | 24.00                 | 24.05                    | 24.02                  | 25.0                | 0.0      |
| Channel         |            |         |           | 506000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 23.98                 | 24.10                    | 24.04                  | 25.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 23.97                 | 24.11                    | 24.08                  | 25.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 1         | 24.08                 | 24.05                    | 24.11                  | 25.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 23.98                 | 24.11                    | 24.00                  | 25.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.97                 | 24.14                    | 24.04                  | 25.0                | 0.0      |

| n7 Ant1 DSI0    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 20.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 18.46                 | 18.55                    | 18.56                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 67        | 18.41                 | 18.65                    | 18.46                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 18.29                 | 18.58                    | 18.57                  | 20.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 0         | 18.48                 | 18.44                    | 18.58                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 35        | 18.31                 | 18.58                    | 18.47                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 69        | 18.41                 | 18.53                    | 18.50                  |                     |          |
| 50              | PI/2 BPSK  | 128     | 0         | 18.32                 | 18.50                    | 18.54                  | 20.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 18.48                 | 18.66                    | 18.57                  |                     |          |
| 50              | QPSK       | 1       | 67        | 18.38                 | 18.55                    | 18.58                  |                     |          |
| 50              | QPSK       | 1       | 131       | 18.42                 | 18.47                    | 18.54                  |                     |          |
| 50              | QPSK       | 64      | 0         | 18.37                 | 18.50                    | 18.37                  | 19.0                | 1.0      |
| 50              | QPSK       | 64      | 35        | 18.50                 | 18.64                    | 18.45                  | 20.0                | 0.0      |
| 50              | QPSK       | 64      | 69        | 18.26                 | 18.63                    | 18.55                  | 19.0                | 1.0      |
| 50              | QPSK       | 128     | 0         | 18.32                 | 18.63                    | 18.42                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 18.33                 | 18.54                    | 18.45                  | 20.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         | 18.29                 | 18.49                    | 18.51                  | 20.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         | 18.04                 | 18.10                    | 18.06                  | 19.5                | 0.5      |
| Channel         |            |         |           | 508000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   |                     |          |
| 40              | QPSK       | 1       | 1         | 18.35                 | 18.46                    | 18.35                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 18.45                 | 18.57                    | 18.36                  | 20.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 18.28                 | 18.57                    | 18.50                  | 20.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 1         | 18.49                 | 18.61                    | 18.53                  | 20.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 18.29                 | 18.49                    | 18.35                  | 20.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 18.39                 | 18.55                    | 18.45                  | 20.0                | 0.0      |

| n7 Ant2 DSI0    |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    |                        |             |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      | 18.5                   | 0.0         |
| 50              | PI/2 BPSK  | 1       | 1         | 16.98                    | 17.12                       | 16.98                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 16.95                    | 17.30                       | 16.83                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 16.94                    | 17.19                       | 16.82                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 0         | 16.95                    | 17.17                       | 16.82                     | 18.5                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 35        | 16.99                    | 17.30                       | 16.85                     | 18.5                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 69        | 16.87                    | 17.18                       | 16.86                     | 18.5                   | 0.0         |
| 50              | PI/2 BPSK  | 128     | 0         | 16.89                    | 17.26                       | 16.80                     | 18.5                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 17.05                    | 17.31                       | 16.94                     |                        |             |
| 50              | QPSK       | 1       | 67        | 17.02                    | 17.10                       | 16.88                     |                        |             |
| 50              | QPSK       | 1       | 131       | 17.03                    | 17.11                       | 16.82                     |                        |             |
| 50              | QPSK       | 64      | 0         | 16.92                    | 17.25                       | 16.74                     | 17.5                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 16.97                    | 17.26                       | 16.95                     | 18.5                   | 0.0         |
| 50              | QPSK       | 64      | 69        | 17.06                    | 17.07                       | 16.80                     | 17.5                   | 1.0         |
| 50              | QPSK       | 128     | 0         | 16.93                    | 17.10                       | 16.87                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 16.99                    | 17.24                       | 16.89                     | 18.5                   | 0.0         |
| 50              | 64QAM      | 1       | 1         | 17.01                    | 17.19                       | 16.73                     | 18.5                   | 0.0         |
| 50              | 256QAM     | 1       | 1         | 16.96                    | 17.08                       | 16.90                     | 18.5                   | 0.0         |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |
| 40              | QPSK       | 1       | 1         | 16.90                    | 17.07                       | 16.83                     | 18.5                   | 0.0         |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 16.89                    | 17.19                       | 16.81                     | 18.5                   | 0.0         |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 16.88                    | 17.11                       | 16.78                     | 18.5                   | 0.0         |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | QPSK       | 1       | 1         | 16.97                    | 17.20                       | 16.87                     | 18.5                   | 0.0         |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 16.98                    | 17.19                       | 16.95                     | 18.5                   | 0.0         |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 16.99                    | 17.30                       | 16.76                     | 18.5                   | 0.0         |

| n7 Ant5 Default |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 24.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 22.35                    | 22.42                       | 22.30                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 22.30                    | 22.38                       | 22.27                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 22.15                    | 22.16                       | 22.09                     | 23.5                   | 0.5         |
| 50              | PI/2 BPSK  | 64      | 0         | 21.81                    | 21.97                       | 21.93                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 22.40                    | 22.43                       | 22.34                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 69        | 21.81                    | 21.88                       | 21.86                     |                        |             |
| 50              | PI/2 BPSK  | 128     | 0         | 21.73                    | 21.85                       | 21.83                     | 24.0                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 22.59                    | 22.61                       | 22.50                     |                        |             |
| 50              | QPSK       | 1       | 67        | 22.38                    | 22.42                       | 22.32                     |                        |             |
| 50              | QPSK       | 1       | 131       | 22.15                    | 22.18                       | 22.09                     |                        |             |
| 50              | QPSK       | 64      | 0         | 21.32                    | 21.33                       | 21.26                     | 23.0                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 22.39                    | 22.45                       | 22.43                     |                        |             |
| 50              | QPSK       | 64      | 69        | 21.35                    | 21.38                       | 21.35                     |                        |             |
| 50              | QPSK       | 128     | 0         | 21.33                    | 21.34                       | 21.33                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 21.25                    | 21.36                       | 21.31                     | 23.0                   | 1.0         |
| 50              | 64QAM      | 1       | 1         | 19.75                    | 19.84                       | 19.81                     |                        |             |
| 50              | 256QAM     | 1       | 1         | 17.97                    | 18.04                       | 18.01                     |                        |             |
| Channel         |            |         |           | 508000                   | 507000                      | 510000                    |                        |             |
| Frequency (MHz) |            |         |           | 2530                     | 2535                        | 2550                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 40              | QPSK       | 1       | 1         | 22.50                    | 22.49                       | 22.50                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    |                        |             |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 22.54                    | 22.57                       | 22.39                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | 24.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 22.52                    | 22.60                       | 22.49                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    |                        |             |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 20              | QPSK       | 1       | 1         | 22.47                    | 22.58                       | 22.48                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    |                        |             |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.53                    | 22.55                       | 22.49                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | 24.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 22.54                    | 22.58                       | 22.38                     |                        |             |

## Reduced Power Mode for DSI 3\_Other PA DFT-30

| n7 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 25.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 24.07                 | 24.12                    | 24.03                  | 25.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 67        | 24.00                 | 24.03                    | 23.99                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 23.80                 | 23.89                    | 23.81                  | 24.5                | 0.5      |
| 50              | PI/2 BPSK  | 64      | 0         | 23.67                 | 23.72                    | 23.66                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 35        | 24.03                 | 24.15                    | 24.11                  | 25.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 23.64                 | 23.66                    | 23.61                  | 24.5                | 0.5      |
| 50              | PI/2 BPSK  | 128     | 0         | 23.68                 | 23.62                    | 23.65                  |                     |          |
| 50              | QPSK       | 1       | 1         | 24.11                 | 24.19                    | 24.14                  | 25.0                | 0.0      |
| 50              | QPSK       | 1       | 67        | 23.86                 | 23.97                    | 23.94                  |                     |          |
| 50              | QPSK       | 1       | 131       | 23.87                 | 23.88                    | 23.78                  | 24.0                | 1.0      |
| 50              | QPSK       | 64      | 0         | 23.17                 | 23.26                    | 23.20                  |                     |          |
| 50              | QPSK       | 64      | 35        | 24.10                 | 24.12                    | 24.06                  | 25.0                | 0.0      |
| 50              | QPSK       | 64      | 69        | 23.17                 | 23.14                    | 23.15                  | 24.0                | 1.0      |
| 50              | QPSK       | 128     | 0         | 23.15                 | 23.22                    | 23.18                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 23.15                 | 23.25                    | 23.13                  | 24.0                | 1.0      |
| 50              | 64QAM      | 1       | 1         | 21.56                 | 21.63                    | 21.52                  | 22.5                | 2.5      |
| 50              | 256QAM     | 1       | 1         | 19.68                 | 19.77                    | 19.71                  | 20.5                | 4.5      |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   | 25.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 24.00                 | 24.05                    | 24.02                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 25.0                | 0.0      |
| 30              | QPSK       | 1       | 1         | 23.98                 | 24.10                    | 24.04                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 25.0                | 0.0      |
| 25              | QPSK       | 1       | 1         | 23.97                 | 24.11                    | 24.08                  |                     |          |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 25.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 24.08                 | 24.05                    | 24.11                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 25.0                | 0.0      |
| 15              | QPSK       | 1       | 1         | 23.98                 | 24.11                    | 24.00                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 25.0                | 0.0      |
| 10              | QPSK       | 1       | 1         | 23.97                 | 24.14                    | 24.04                  |                     |          |

| n7 Ant1 Default |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 24.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2535                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 22.53                    | 22.55                       | 22.51                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 22.56                    | 22.52                       | 22.54                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 22.57                    | 22.54                       | 22.52                     | 23.5                   | 0.5         |
| 50              | PI/2 BPSK  | 64      | 0         | 22.05                    | 22.01                       | 22.03                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 22.58                    | 22.61                       | 22.53                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 69        | 22.04                    | 22.05                       | 22.07                     |                        |             |
| 50              | PI/2 BPSK  | 128     | 0         | 22.09                    | 22.12                       | 22.02                     | 24.0                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 22.58                    | 22.69                       | 22.52                     |                        |             |
| 50              | QPSK       | 1       | 67        | 22.54                    | 22.59                       | 22.58                     |                        |             |
| 50              | QPSK       | 1       | 131       | 22.56                    | 22.54                       | 22.61                     |                        |             |
| 50              | QPSK       | 64      | 0         | 21.56                    | 21.63                       | 21.54                     | 23.0                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 22.62                    | 22.66                       | 22.55                     |                        |             |
| 50              | QPSK       | 64      | 69        | 21.55                    | 21.61                       | 21.56                     |                        |             |
| 50              | QPSK       | 128     | 0         | 21.56                    | 21.60                       | 21.54                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 22.43                    | 22.49                       | 22.45                     | 23.0                   | 1.0         |
| 50              | 64QAM      | 1       | 1         | 20.98                    | 21.05                       | 20.92                     |                        |             |
| 50              | 256QAM     | 1       | 1         | 19.42                    | 19.46                       | 19.38                     |                        |             |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      |                        |             |
| 40              | QPSK       | 1       | 1         | 22.58                    | 22.68                       | 22.58                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 22.55                    | 22.67                       | 22.59                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 22.57                    | 22.66                       | 22.51                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | QPSK       | 1       | 1         | 22.64                    | 22.62                       | 22.54                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.65                    | 22.68                       | 22.52                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 22.61                    | 22.53                       | 22.56                     |                        |             |

| n7 Ant2 DSI3    |            |         |           |                             |                                |                              |                        |             |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                      | 507000                         | 509000                       | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2535                        | 2535                           | 2545                         |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 20.97                       | 21.14                          | 21.00                        |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 20.97                       | 20.98                          | 20.97                        |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 20.82                       | 21.10                          | 21.13                        | 22.5                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 0         | 20.80                       | 21.10                          | 20.94                        |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 20.99                       | 21.02                          | 20.92                        |                        |             |
| 50              | PI/2 BPSK  | 64      | 69        | 20.96                       | 21.11                          | 20.94                        |                        |             |
| 50              | PI/2 BPSK  | 128     | 0         | 20.96                       | 21.16                          | 20.93                        | 22.5                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 20.99                       | 21.18                          | 21.11                        |                        |             |
| 50              | QPSK       | 1       | 67        | 20.99                       | 21.15                          | 20.97                        |                        |             |
| 50              | QPSK       | 1       | 131       | 20.89                       | 21.16                          | 21.05                        |                        |             |
| 50              | QPSK       | 64      | 0         | 20.84                       | 21.03                          | 21.00                        | 21.5                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 20.84                       | 21.10                          | 20.94                        |                        |             |
| 50              | QPSK       | 64      | 69        | 20.99                       | 21.09                          | 21.00                        |                        |             |
| 50              | QPSK       | 128     | 0         | 20.88                       | 21.05                          | 21.00                        |                        |             |
| 50              | 16QAM      | 1       | 1         | 20.98                       | 21.08                          | 20.95                        | 22.5                   | 0.0         |
| 50              | 64QAM      | 1       | 1         | 19.99                       | 19.60                          | 19.50                        |                        |             |
| 50              | 256QAM     | 1       | 1         | 17.65                       | 17.71                          | 17.75                        |                        |             |
| Channel         |            |         |           | 504000                      | 507000                         | 510000                       |                        |             |
| Frequency (MHz) |            |         |           | 2520                        | 2535                           | 2550                         | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 40              | QPSK       | 1       | 1         | 20.86                       | 21.04                          | 20.98                        | 22.5                   | 0.0         |
| Channel         |            |         |           | 503000                      | 507000                         | 511000                       |                        |             |
| Frequency (MHz) |            |         |           | 2515                        | 2535                           | 2555                         |                        |             |
| 30              | QPSK       | 1       | 1         | 20.84                       | 20.95                          | 21.00                        |                        |             |
| Channel         |            |         |           | 502500                      | 507000                         | 511500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                      | 2535                           | 2557.5                       |                        |             |
| 25              | QPSK       | 1       | 1         | 20.94                       | 20.98                          | 20.97                        |                        |             |
| Channel         |            |         |           | 502000                      | 507000                         | 512000                       |                        |             |
| Frequency (MHz) |            |         |           | 2510                        | 2535                           | 2560                         | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 20              | QPSK       | 1       | 1         | 20.82                       | 21.00                          | 20.96                        | 22.5                   | 0.0         |
| Channel         |            |         |           | 501500                      | 507000                         | 512500                       |                        |             |
| Frequency (MHz) |            |         |           | 2507.5                      | 2535                           | 2562.5                       |                        |             |
| 15              | QPSK       | 1       | 1         | 20.96                       | 21.13                          | 21.04                        |                        |             |
| Channel         |            |         |           | 501000                      | 507000                         | 513000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                        | 2535                           | 2565                         |                        |             |
| 10              | QPSK       | 1       | 1         | 20.91                       | 21.16                          | 21.09                        |                        |             |

| n7 Ant5 DSI3    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 20.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 18.60                 | 18.58                    | 18.40                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 67        | 18.54                 | 18.57                    | 18.41                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 131       | 18.61                 | 18.56                    | 18.45                  | 20.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 0         | 18.49                 | 18.71                    | 18.46                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 35        | 18.45                 | 18.68                    | 18.32                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 69        | 18.64                 | 18.63                    | 18.42                  |                     |          |
| 50              | PI/2 BPSK  | 128     | 0         | 18.57                 | 18.63                    | 18.46                  | 20.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 18.66                 | 18.72                    | 18.45                  |                     |          |
| 50              | QPSK       | 1       | 67        | 18.44                 | 18.62                    | 18.28                  |                     |          |
| 50              | QPSK       | 1       | 131       | 18.64                 | 18.67                    | 18.26                  |                     |          |
| 50              | QPSK       | 64      | 0         | 18.52                 | 18.52                    | 18.33                  | 19.0                | 1.0      |
| 50              | QPSK       | 64      | 35        | 18.65                 | 18.70                    | 18.44                  | 20.0                | 0.0      |
| 50              | QPSK       | 64      | 69        | 18.51                 | 18.49                    | 18.31                  |                     |          |
| 50              | QPSK       | 128     | 0         | 18.58                 | 18.68                    | 18.43                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 18.48                 | 18.60                    | 18.33                  | 20.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         | 18.53                 | 18.67                    | 18.37                  | 20.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         | 18.17                 | 18.22                    | 17.83                  | 19.5                | 0.5      |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   |                     |          |
| 40              | QPSK       | 1       | 1         | 18.46                 | 18.72                    | 18.43                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |          |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | Tune-up limit (dBm) | MPR (dB) |
| 30              | QPSK       | 1       | 1         | 18.68                 | 18.51                    | 18.33                  |                     |          |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 |                     |          |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 18.66                 | 18.58                    | 18.25                  | 20.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 1         | 18.63                 | 18.51                    | 18.31                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 18.67                 | 18.50                    | 18.47                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 18.48                 | 18.51                    | 18.39                  |                     |          |

## Reduced Power Mode for DSI 4\_Other PA DFT-30

| n7 Ant0 DSI4    |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    |                        |             |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 18.09                    | 18.29                       | 18.00                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 1       | 67        | 18.03                    | 18.08                       | 18.00                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 17.97                    | 18.24                       | 17.93                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 0         | 18.16                    | 18.10                       | 17.88                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 35        | 18.15                    | 18.28                       | 17.97                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 69        | 17.99                    | 18.24                       | 17.98                     | 19.0                   | 0.0         |
| 50              | PI/2 BPSK  | 128     | 0         | 18.13                    | 18.29                       | 17.97                     | 19.0                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 18.15                    | 18.30                       | 18.05                     |                        |             |
| 50              | QPSK       | 1       | 67        | 18.06                    | 18.27                       | 18.04                     |                        |             |
| 50              | QPSK       | 1       | 131       | 18.03                    | 18.22                       | 18.04                     |                        |             |
| 50              | QPSK       | 64      | 0         | 18.12                    | 18.21                       | 17.99                     | 19.0                   | 0.0         |
| 50              | QPSK       | 64      | 35        | 18.02                    | 18.24                       | 18.00                     | 19.0                   | 0.0         |
| 50              | QPSK       | 64      | 69        | 17.99                    | 18.12                       | 18.01                     | 19.0                   | 0.0         |
| 50              | QPSK       | 128     | 0         | 18.00                    | 18.15                       | 17.88                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 18.17                    | 18.29                       | 17.96                     | 19.0                   | 0.0         |
| 50              | 64QAM      | 1       | 1         | 17.94                    | 18.27                       | 17.99                     | 19.0                   | 0.0         |
| 50              | 256QAM     | 1       | 1         | 17.96                    | 18.16                       | 17.93                     | 19.0                   | 0.0         |
| Channel         |            |         |           | 504000                   | 507000                      | 510000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2520                     | 2535                        | 2550                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 17.94                    | 18.30                       | 17.93                     | 19.0                   | 0.0         |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 17.99                    | 18.08                       | 17.88                     | 19.0                   | 0.0         |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    | (dBm)                  | (dB)        |
| 25              | QPSK       | 1       | 1         | 18.12                    | 18.12                       | 17.99                     | 19.0                   | 0.0         |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 18.05                    | 18.15                       | 17.99                     | 19.0                   | 0.0         |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    | (dBm)                  | (dB)        |
| 15              | QPSK       | 1       | 1         | 18.06                    | 18.17                       | 18.01                     | 19.0                   | 0.0         |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      | (dBm)                  | (dB)        |
| 10              | QPSK       | 1       | 1         | 18.04                    | 18.12                       | 17.85                     | 19.0                   | 0.0         |

| n7 Ant1 DS14    |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 20.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 1         | 18.46                 | 18.55                    | 18.56                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 67        | 18.41                 | 18.65                    | 18.46                  |                     |          |  |
| 50              | PI/2 BPSK  | 1       | 131       | 18.29                 | 18.58                    | 18.57                  |                     |          |  |
| 50              | PI/2 BPSK  | 64      | 0         | 18.48                 | 18.44                    | 18.58                  | 20.0                | 0.0      |  |
| 50              | PI/2 BPSK  | 64      | 35        | 18.31                 | 18.58                    | 18.47                  | 20.0                | 0.0      |  |
| 50              | PI/2 BPSK  | 64      | 69        | 18.41                 | 18.53                    | 18.50                  | 20.0                | 0.0      |  |
| 50              | PI/2 BPSK  | 128     | 0         | 18.32                 | 18.50                    | 18.54                  | 20.0                | 0.0      |  |
| 50              | QPSK       | 1       | 1         | 18.48                 | 18.66                    | 18.57                  |                     |          |  |
| 50              | QPSK       | 1       | 67        | 18.38                 | 18.55                    | 18.58                  |                     |          |  |
| 50              | QPSK       | 1       | 131       | 18.42                 | 18.47                    | 18.54                  |                     |          |  |
| 50              | QPSK       | 64      | 0         | 18.37                 | 18.50                    | 18.37                  |                     |          |  |
| 50              | QPSK       | 64      | 35        | 18.50                 | 18.64                    | 18.45                  | 20.0                | 0.0      |  |
| 50              | QPSK       | 64      | 69        | 18.26                 | 18.63                    | 18.55                  | 19.0                | 1.0      |  |
| 50              | QPSK       | 128     | 0         | 18.32                 | 18.63                    | 18.42                  |                     |          |  |
| 50              | 16QAM      | 1       | 1         | 18.33                 | 18.54                    | 18.45                  | 20.0                | 0.0      |  |
| 50              | 64QAM      | 1       | 1         | 18.29                 | 18.49                    | 18.51                  | 20.0                | 0.0      |  |
| 50              | 256QAM     | 1       | 1         | 18.04                 | 18.10                    | 18.06                  | 19.5                | 0.5      |  |
| Channel         |            |         |           | 506000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 18.35                 | 18.46                    | 18.35                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 18.45                 | 18.57                    | 18.36                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 18.28                 | 18.57                    | 18.50                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 18.49                 | 18.61                    | 18.53                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 18.29                 | 18.49                    | 18.35                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 18.39                 | 18.55                    | 18.45                  | 20.0                | 0.0      |  |

| n7 Ant2 DSI4    |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 505000                   | 507000                      | 509000                    | 18.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 2525                     | 2535                        | 2545                      |                        |             |
| 50              | PI/2 BPSK  | 1       | 1         | 16.98                    | 17.12                       | 16.96                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 67        | 16.95                    | 17.30                       | 16.83                     |                        |             |
| 50              | PI/2 BPSK  | 1       | 131       | 16.94                    | 17.19                       | 16.82                     | 18.5                   | 0.0         |
| 50              | PI/2 BPSK  | 64      | 0         | 16.95                    | 17.17                       | 16.82                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 35        | 16.99                    | 17.30                       | 16.85                     |                        |             |
| 50              | PI/2 BPSK  | 64      | 69        | 16.87                    | 17.18                       | 16.86                     |                        |             |
| 50              | PI/2 BPSK  | 128     | 0         | 16.89                    | 17.26                       | 16.80                     | 18.5                   | 0.0         |
| 50              | QPSK       | 1       | 1         | 17.05                    | 17.31                       | 16.94                     |                        |             |
| 50              | QPSK       | 1       | 67        | 17.02                    | 17.10                       | 16.88                     |                        |             |
| 50              | QPSK       | 1       | 131       | 17.03                    | 17.11                       | 16.82                     |                        |             |
| 50              | QPSK       | 64      | 0         | 16.92                    | 17.25                       | 16.74                     | 17.5                   | 1.0         |
| 50              | QPSK       | 64      | 35        | 16.97                    | 17.26                       | 16.95                     |                        |             |
| 50              | QPSK       | 64      | 69        | 17.06                    | 17.07                       | 16.80                     |                        |             |
| 50              | QPSK       | 128     | 0         | 16.93                    | 17.10                       | 16.87                     |                        |             |
| 50              | 16QAM      | 1       | 1         | 16.99                    | 17.24                       | 16.89                     | 18.5                   | 0.0         |
| 50              | 64QAM      | 1       | 1         | 17.01                    | 17.19                       | 16.73                     |                        |             |
| 50              | 256QAM     | 1       | 1         | 16.96                    | 17.08                       | 16.90                     |                        |             |
| Channel         |            |         |           | 508000                   | 507000                      | 510000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2530                     | 2535                        | 2550                      |                        |             |
| 40              | QPSK       | 1       | 1         | 16.90                    | 17.07                       | 16.83                     |                        |             |
| Channel         |            |         |           | 503000                   | 507000                      | 511000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2515                     | 2535                        | 2555                      |                        |             |
| 30              | QPSK       | 1       | 1         | 16.89                    | 17.19                       | 16.81                     |                        |             |
| Channel         |            |         |           | 502500                   | 507000                      | 511500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2512.5                   | 2535                        | 2557.5                    |                        |             |
| 25              | QPSK       | 1       | 1         | 16.88                    | 17.11                       | 16.78                     |                        |             |
| Channel         |            |         |           | 502000                   | 507000                      | 512000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | QPSK       | 1       | 1         | 16.97                    | 17.20                       | 16.87                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 16.98                    | 17.19                       | 16.95                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      |                        |             |
| 10              | QPSK       | 1       | 1         | 16.99                    | 17.30                       | 16.76                     |                        |             |

| n7 Ant5 DSI4    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 505000                | 507000                   | 509000                 | 18.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2525                  | 2535                     | 2545                   |                     |          |
| 50              | PI/2 BPSK  | 1       | 1         | 16.38                 | 16.57                    | 16.32                  |                     |          |
| 50              | PI/2 BPSK  | 1       | 67        | 16.37                 | 16.61                    | 16.19                  | 18.0                | 0.0      |
| 50              | PI/2 BPSK  | 1       | 131       | 16.41                 | 16.65                    | 16.21                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 0         | 16.57                 | 16.63                    | 16.20                  |                     |          |
| 50              | PI/2 BPSK  | 64      | 35        | 16.53                 | 16.57                    | 16.32                  | 18.0                | 0.0      |
| 50              | PI/2 BPSK  | 64      | 69        | 16.40                 | 16.58                    | 16.40                  | 18.0                | 0.0      |
| 50              | PI/2 BPSK  | 128     | 0         | 16.51                 | 16.63                    | 16.23                  | 18.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 16.56                 | 16.73                    | 16.39                  |                     |          |
| 50              | QPSK       | 1       | 67        | 16.47                 | 16.53                    | 16.27                  |                     |          |
| 50              | QPSK       | 1       | 131       | 16.50                 | 16.71                    | 16.34                  | 17.0                | 1.0      |
| 50              | QPSK       | 64      | 0         | 16.53                 | 16.71                    | 16.20                  |                     |          |
| 50              | QPSK       | 64      | 35        | 16.53                 | 16.72                    | 16.23                  |                     |          |
| 50              | QPSK       | 64      | 69        | 16.50                 | 16.67                    | 16.18                  | 17.0                | 1.0      |
| 50              | QPSK       | 128     | 0         | 16.43                 | 16.54                    | 16.35                  |                     |          |
| 50              | 16QAM      | 1       | 1         | 16.36                 | 16.72                    | 16.28                  | 18.0                | 0.0      |
| 50              | 64QAM      | 1       | 1         | 16.48                 | 16.66                    | 16.28                  | 18.0                | 0.0      |
| 50              | 256QAM     | 1       | 1         | 16.43                 | 16.57                    | 16.30                  | 18.0                | 0.0      |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2530                  | 2535                     | 2550                   |                     |          |
| 40              | QPSK       | 1       | 1         | 16.36                 | 16.65                    | 16.28                  |                     |          |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |
| 30              | QPSK       | 1       | 1         | 16.35                 | 16.52                    | 16.32                  | 18.0                | 0.0      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |
| 25              | QPSK       | 1       | 1         | 16.44                 | 16.57                    | 16.19                  | 18.0                | 0.0      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 1         | 16.52                 | 16.56                    | 16.20                  | 18.0                | 0.0      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 16.57                 | 16.64                    | 16.19                  | 18.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 16.39                 | 16.59                    | 16.40                  | 18.0                | 0.0      |

## WLAN/Bluetooth Power

| 2.4GHz WLAN |                    |         |                 | Ant 1 Full power    |               | Head Standalone     |               | Head Simultaneous   |               | Duty Cycle % |
|-------------|--------------------|---------|-----------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|--------------|
|             | Mode               | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit |              |
| 2.4GHz WLAN | 802.11b 1Mbps      | 1       | 2412            | 20.84               | 22.50         | 20.09               | 21.50         | 14.13               | 15.50         | 99.31        |
|             |                    | 6       | 2437            | 20.58               | 22.50         | 19.92               | 21.50         | 13.96               | 15.50         |              |
|             |                    | 11      | 2462            | 20.77               | 22.50         | 19.94               | 21.50         | 13.98               | 15.50         |              |
|             | 802.11g 6Mbps      | 1       | 2412            | 19.73               | 20.50         |                     | 20.50         |                     | 15.50         | 96.97        |
|             |                    | 6       | 2437            | 19.58               | 20.50         |                     | 20.50         |                     | 15.50         |              |
|             |                    | 11      | 2462            | 19.70               | 20.50         |                     | 20.50         |                     | 15.50         |              |
|             | 802.11n-HT20 MCS0  | 1       | 2412            | 19.63               | 20.50         |                     | 20.50         |                     | 15.50         | 96.77        |
|             |                    | 6       | 2437            | 19.56               | 20.50         |                     | 20.50         |                     | 15.50         |              |
|             |                    | 11      | 2462            | 19.65               | 20.50         |                     | 20.50         |                     | 15.50         |              |
|             | 802.11ax-HE20 MCS0 | 1       | 2412            | 19.88               | 20.50         |                     | 20.50         |                     | 15.50         | 95.89        |
|             |                    | 6       | 2437            | 19.76               | 20.50         |                     | 20.50         |                     | 15.50         |              |
|             |                    | 11      | 2462            | 19.74               | 20.50         |                     | 20.50         |                     | 15.50         |              |

| 5.2GHz WLAN |                     |         |                 | Ant 1 Full power    |               | Head Standalone     |               | Head Simultaneous   |               | Duty Cycle % |
|-------------|---------------------|---------|-----------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|--------------|
|             | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit |              |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | 16.58               | 17.50         | 16.58               | 17.50         |                     | 12.00         | 96.97        |
|             |                     | 40      | 5200            | 16.47               | 17.50         | 16.47               | 17.50         |                     | 12.00         |              |
|             |                     | 44      | 5220            | 16.46               | 17.50         | 16.46               | 17.50         |                     | 12.00         |              |
|             |                     | 48      | 5240            | 16.46               | 17.50         | 16.46               | 17.50         |                     | 12.00         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            | 16.53               | 17.50         | 16.53               | 17.50         |                     | 12.00         | 96.77        |
|             |                     | 40      | 5200            | 16.44               | 17.50         | 16.44               | 17.50         |                     | 12.00         |              |
|             |                     | 44      | 5220            | 16.48               | 17.50         | 16.48               | 17.50         |                     | 12.00         |              |
|             |                     | 48      | 5240            | 16.48               | 17.50         | 16.48               | 17.50         |                     | 12.00         |              |
|             | 802.11n-HT40 MCS0   | 36      | 5180            | 16.06               | 17.00         | 16.06               | 17.00         |                     | 12.00         | 93.68        |
|             |                     | 46      | 5230            | 16.10               | 17.00         | 16.10               | 17.00         |                     | 12.00         |              |
|             |                     | 36      | 5180            | 16.48               | 17.50         | 16.48               | 17.50         |                     | 12.00         |              |
|             |                     | 40      | 5200            | 16.48               | 17.50         | 16.48               | 17.50         |                     | 12.00         |              |
|             | 802.11ac-VHT20 MCS0 | 44      | 5220            | 16.51               | 17.50         | 16.51               | 17.50         |                     | 12.00         | 96.76        |
|             |                     | 48      | 5240            | 16.53               | 17.50         | 16.53               | 17.50         |                     | 12.00         |              |
|             |                     | 38      | 5190            | 16.17               | 17.00         | 16.17               | 17.00         |                     | 12.00         |              |
|             |                     | 46      | 5230            | 16.20               | 17.00         | 16.20               | 17.00         |                     | 12.00         |              |
|             | 802.11ac-VHT40 MCS0 | 42      | 5210            | 15.82               | 17.00         | 15.82               | 17.00         | 11.12               | 12.00         | 88.19        |
|             |                     | 36      | 5180            | 16.69               | 17.50         | 16.69               | 17.50         |                     | 12.00         |              |
|             | 802.11ax-HE20 MCS0  | 40      | 5200            | 16.56               | 17.50         | 16.56               | 17.50         |                     | 12.00         | 95.85        |
|             |                     | 44      | 5220            | 16.58               | 17.50         | 16.58               | 17.50         |                     | 12.00         |              |
|             |                     | 48      | 5240            | 16.68               | 17.50         | 16.68               | 17.50         |                     | 12.00         |              |
|             |                     | 38      | 5190            | 16.39               | 17.00         | 16.39               | 17.00         |                     | 12.00         |              |
|             | 802.11ax-HE40 MCS0  | 46      | 5230            | 16.33               | 17.00         | 16.33               | 17.00         |                     | 12.00         | 92.56        |
|             |                     | 42      | 5210            | 16.08               | 17.00         | 16.08               | 17.00         |                     | 12.00         |              |
|             | 802.11ax-HE80 MCS0  | 42      | 5210            | 16.08               | 17.00         | 16.08               | 17.00         |                     | 12.00         | 86.09        |

| 5.3GHz WLAN |                     |         |                 | Ant 1 Full power    |               | Head Standalone     |               | Head Simultaneous   |               | Duty Cycle % |
|-------------|---------------------|---------|-----------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|--------------|
|             | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit |              |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52      | 5260            | 18.51               | 19.50         |                     | 18.00         |                     | 12.00         | 96.97        |
|             |                     | 56      | 5280            | 18.56               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             |                     | 60      | 5300            | 18.49               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             |                     | 64      | 5320            | 18.43               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             | 802.11n-HT20 MCS0   | 52      | 5260            | 18.41               | 19.50         |                     | 18.00         |                     | 12.00         | 96.77        |
|             |                     | 56      | 5280            | 18.43               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             |                     | 60      | 5300            | 18.41               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             |                     | 64      | 5320            | 18.48               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             | 802.11n-HT40 MCS0   | 54      | 5270            | 18.00               | 19.00         |                     | 18.00         |                     | 12.00         | 93.68        |
|             |                     | 62      | 5310            | 18.02               | 19.00         |                     | 18.00         |                     | 12.00         |              |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            | 18.38               | 19.50         |                     | 18.00         |                     | 12.00         | 96.76        |
|             |                     | 56      | 5280            | 18.51               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             |                     | 60      | 5300            | 18.44               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             |                     | 64      | 5320            | 18.47               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            | 18.00               | 19.00         |                     | 18.00         |                     | 12.00         | 93.75        |
|             |                     | 62      | 5310            | 18.01               | 19.00         |                     | 18.00         |                     | 12.00         |              |
|             | 802.11ac-VHT80 MCS0 | 58      | 5290            | 17.87               | 19.00         | 16.93               | 18.00         | 11.23               | 12.00         | 88.19        |
|             |                     | 52      | 5260            | 18.68               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             | 802.11ax-HE20 MCS0  | 56      | 5280            | 18.60               | 19.50         |                     | 18.00         |                     | 12.00         | 95.85        |
|             |                     | 60      | 5300            | 18.56               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             |                     | 64      | 5320            | 18.66               | 19.50         |                     | 18.00         |                     | 12.00         |              |
|             |                     | 54      | 5270            | 18.24               | 19.00         |                     | 18.00         |                     | 12.00         |              |
|             | 802.11ax-HE40 MCS0  | 62      | 5310            | 18.21               | 19.00         |                     | 18.00         |                     | 12.00         | 92.56        |
|             |                     | 58      | 5290            | 18.21               | 19.00         |                     | 18.00         |                     | 12.00         |              |
|             | 802.11ax-HE80 MCS0  | 58      | 5290            | 18.21               | 19.00         |                     | 18.00         |                     | 12.00         | 86.09        |

| 5.5GHz WLAN        |                     |         |                 | Ant 1 Full power    |               | Head Standalone     |               | Head Simultaneous   |               |            |
|--------------------|---------------------|---------|-----------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|------------|
|                    | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Duty Cycle |
| 5.5GHz WLAN        | 802.11a 6Mbps       | 100     | 5500            | 17.95               | 19.50         |                     | 17.00         |                     | 11.00         | 96.97      |
|                    |                     | 116     | 5580            | 17.95               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 124     | 5620            | 18.02               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 132     | 5660            | 18.04               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 140     | 5700            | 18.04               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 144     | 5720            | 18.09               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    | 802.11n-HT20 MCS0   | 100     | 5500            | 17.83               | 19.50         |                     | 17.00         |                     | 11.00         | 96.77      |
|                    |                     | 116     | 5580            | 17.92               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 124     | 5620            | 18.05               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 132     | 5660            | 17.90               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 140     | 5700            | 17.99               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 144     | 5720            | 18.02               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    | 802.11n-HT40 MCS0   | 102     | 5510            | 17.56               | 19.00         |                     | 17.00         |                     | 11.00         | 93.68      |
|                    |                     | 110     | 5550            | 17.45               | 19.00         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 126     | 5630            | 17.47               | 19.00         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 134     | 5670            | 17.45               | 19.00         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 142     | 5710            | 17.58               | 19.00         |                     | 17.00         |                     | 11.00         |            |
|                    | 802.11ac-VHT20 MCS0 | 100     | 5500            | 18.00               | 19.50         |                     | 17.00         |                     | 11.00         | 96.76      |
|                    |                     | 116     | 5580            | 17.90               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 124     | 5620            | 17.94               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 132     | 5660            | 17.86               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 140     | 5700            | 17.94               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 144     | 5720            | 17.54               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    | 802.11ac-VHT40 MCS0 | 102     | 5510            | 17.55               | 19.00         |                     | 17.00         |                     | 11.00         | 93.75      |
|                    |                     | 110     | 5550            | 17.36               | 19.00         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 126     | 5630            | 17.40               | 19.00         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 134     | 5670            | 17.45               | 19.00         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 142     | 5710            | 17.66               | 19.00         |                     | 17.00         |                     | 11.00         |            |
|                    | 802.11ac-VHT80 MCS0 | 106     | 5530            | 17.27               | 19.00         | 15.35               | 17.00         | 9.42                | 11.00         | 88.19      |
|                    |                     | 122     | 5610            | 17.28               | 19.00         | 15.38               | 17.00         | 9.48                | 11.00         |            |
|                    |                     | 138     | 5690            | 17.47               | 19.00         | 15.57               | 17.00         | 9.67                | 11.00         |            |
|                    | 802.11ax-HE20 MCS0  | 100     | 5500            | 18.08               | 19.50         |                     | 17.00         |                     | 11.00         | 95.85      |
|                    |                     | 116     | 5580            | 18.12               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 124     | 5620            | 18.16               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 132     | 5660            | 18.03               | 19.50         |                     | 17.00         |                     | 11.00         |            |
|                    |                     | 140     | 5700            | 18.17               | 19.50         |                     | 17.00         |                     | 11.00         |            |
| 144                |                     | 5720    | 18.15           | 19.50               | 17.00         |                     | 11.00         |                     |               |            |
| 802.11ax-HE40 MCS0 | 102                 | 5510    | 17.80           | 19.00               |               | 17.00               |               | 11.00               | 92.56         |            |
|                    | 110                 | 5550    | 17.70           | 19.00               |               | 17.00               |               | 11.00               |               |            |
|                    | 126                 | 5630    | 17.70           | 19.00               |               | 17.00               |               | 11.00               |               |            |
|                    | 134                 | 5670    | 17.76           | 19.00               |               | 17.00               |               | 11.00               |               |            |
|                    | 142                 | 5710    | 17.90           | 19.00               |               | 17.00               |               | 11.00               |               |            |
| 802.11ax-HE80 MCS0 | 106                 | 5530    | 17.54           | 19.00               |               | 17.00               |               | 11.00               | 86.09         |            |
|                    | 122                 | 5610    | 17.54           | 19.00               |               | 17.00               |               | 11.00               |               |            |
|                    | 138                 | 5690    | 17.67           | 19.00               |               | 17.00               |               | 11.00               |               |            |

| 5.8GHz WLAN |                     |                    |                 | Ant 1 Full power    |               | Head Standalone     |               | Head Simultaneous   |               | Hotspot Simultaneous |               |              |       |       |
|-------------|---------------------|--------------------|-----------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|----------------------|---------------|--------------|-------|-------|
|             | Mode                | Channel            | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm)  | Tune-Up Limit | Duty Cycle % |       |       |
| 5.8GHz WLAN | 802.11a 6Mbps       | 149                | 5745            | 17.60               | 19.50         |                     | 16.50         |                     | 10.50         |                      | 13.50         | 96.97        |       |       |
|             |                     | 157                | 5785            | 17.65               | 19.50         |                     | 16.50         |                     | 10.50         |                      | 13.50         |              |       |       |
|             |                     | 165                | 5825            | 17.80               | 19.50         |                     | 16.50         |                     | 10.50         |                      | 13.50         |              |       |       |
|             | 802.11n-HT20 MCS0   | 149                | 5745            | 17.11               | 19.00         |                     | 16.50         |                     | 10.50         |                      | 13.50         | 96.77        |       |       |
|             |                     | 157                | 5785            | 17.21               | 19.00         |                     | 16.50         |                     | 10.50         |                      | 13.50         |              |       |       |
|             |                     | 165                | 5825            | 17.34               | 19.00         |                     | 16.50         |                     | 10.50         |                      | 13.50         |              |       |       |
|             | 802.11n-HT40 MCS0   | 151                | 5755            | 17.56               | 19.50         |                     | 16.50         |                     | 10.50         |                      | 13.50         | 93.68        |       |       |
|             |                     | 159                | 5795            | 17.51               | 19.50         |                     | 16.50         |                     | 10.50         |                      | 13.50         |              |       |       |
|             |                     | 149                | 5745            | 17.27               | 19.00         |                     | 16.50         |                     | 10.50         |                      | 13.50         |              |       |       |
|             | 802.11ac-VHT20 MCS0 | 157                | 5785            | 17.38               | 19.00         |                     | 16.50         |                     | 10.50         |                      | 13.50         | 96.76        |       |       |
|             |                     | 165                | 5825            | 17.41               | 19.00         |                     | 16.50         |                     | 10.50         |                      | 13.50         |              |       |       |
|             |                     | 151                | 5755            | 17.63               | 19.50         |                     | 16.50         |                     | 10.50         |                      | 13.50         |              |       |       |
|             | 802.11ac-VHT40 MCS0 | 159                | 5795            | 17.57               | 19.50         |                     | 16.50         |                     | 10.50         |                      | 13.50         | 93.75        |       |       |
|             |                     | 155                | 5775            | 18.01               | 19.50         |                     | 14.74         |                     | 16.50         |                      | 8.93          |              | 10.50 | 11.68 |
|             |                     | 149                | 5745            | 17.74               | 19.50         |                     |               |                     | 16.50         |                      |               |              | 10.50 |       |
|             | 802.11ax-HE20 MCS0  | 157                | 5785            | 17.75               | 19.50         | 16.50               |               | 10.50               | 13.50         |                      |               |              |       |       |
|             |                     | 165                | 5825            | 17.77               | 19.50         | 16.50               |               | 10.50               | 13.50         |                      |               |              |       |       |
|             |                     | 802.11ax-HE40 MCS0 | 151             | 5755                | 17.71         | 19.50               |               | 16.50               |               | 10.50                |               | 13.50        | 92.56 |       |
|             | 159                 |                    | 5795            | 17.74               | 19.50         | 16.50               |               | 10.50               |               | 13.50                |               |              |       |       |
|             | 155                 |                    | 5775            | 17.92               | 19.50         |                     |               | 16.50               |               |                      |               | 10.50        |       |       |
|             | 802.11ax-HE80 MCS0  | 155                | 5775            | 17.92               | 19.50         |                     | 16.50         | 10.50               | 13.50         |                      |               |              |       |       |

#### BT BR/EDR

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |       |
|---------------|---------|-----------------|---------------------|-------|-------|
|               |         |                 | 1Mbps               | 2Mbps | 3Mbps |
| BR / EDR      | CH 00   | 2402            | 15.66               | 13.31 | 13.26 |
|               | CH 39   | 2441            | 15.75               | 13.28 | 13.30 |
|               | CH 78   | 2480            | 15.78               | 13.46 | 13.33 |
| Tune-up Limit |         |                 | 17.00               | 15.00 | 15.00 |

#### BT LE 1M

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | 3.21                |
|               | CH 19   | 2440            | 3.51                |
|               | CH 39   | 2480            | 3.24                |
| Tune-up Limit |         |                 | 5                   |

#### BT LE 2M

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | 3.44                |
|               | CH 19   | 2440            | 3.53                |
|               | CH 39   | 2480            | 3.46                |
| Tune-up Limit |         |                 | 5.00                |