

## Full&Default Power Mode/Reduced Power Mode for DSI2&3&4

| GSM850 Ant 0    | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | TX Channel                | 126   | 186   | 251                 | 126                       | 186   | 251   |                     |
| Frequency (MHz) |                           | 824.2 | 836.4 | 848.8               | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   |                           | 31.26 | 31.56 | 31.54               | 32.50                     | 22.26 | 22.56 | 22.54               |
| GPRS 1 Tx slot  |                           | 31.19 | 31.64 | 31.62               | 32.50                     | 22.19 | 22.64 | 22.62               |
| GPRS 2 Tx slots |                           | 28.02 | 28.16 | 28.32               | 29.00                     | 22.02 | 22.16 | 22.32               |
| GPRS 3 Tx slots |                           | 26.62 | 26.42 | 26.46               | 27.50                     | 22.36 | 22.16 | 22.20               |
| GPRS 4 Tx slots |                           | 25.03 | 25.19 | 25.36               | 26.00                     | 22.03 | 22.19 | 22.36               |
| EDGE 1 Tx slot  |                           | 25.36 | 25.31 | 25.32               | 26.00                     | 16.36 | 16.31 | 16.32               |
| EDGE 2 Tx slots |                           | 22.78 | 22.72 | 22.73               | 23.50                     | 16.78 | 16.72 | 16.73               |
| EDGE 3 Tx slots |                           | 20.75 | 20.77 | 20.93               | 22.00                     | 16.49 | 16.51 | 16.67               |
| EDGE 4 Tx slots |                           | 19.09 | 18.93 | 19.16               | 20.00                     | 16.09 | 15.93 | 16.16               |

| GSM1900 Ant 0   | Burst Average Power (dBm) |       |        |        | Tune-up | Frame Average Power (dBm) |        |        |        | Tune-up |
|-----------------|---------------------------|-------|--------|--------|---------|---------------------------|--------|--------|--------|---------|
| TX Channel      | 512                       | 661   | 810    | Limit  | 512     | 661                       | 810    | Limit  | 512    |         |
| Frequency (MHz) | 1650.2                    | 1680  | 1692.8 | 1698.8 | 1650.2  | 1680                      | 1692.8 | 1698.8 | 1650.2 |         |
| GSM 1 Tx slot   | 29.11                     | 29.26 | 29.16  | 30.50  | 20.11   | 20.26                     | 20.16  | 21.50  | 21.50  |         |
| GPRS 1 Tx slot  | 28.88                     | 29.28 | 29.27  | 30.50  | 19.88   | 20.28                     | 20.27  | 21.50  | 21.50  |         |
| GPRS 2 Tx slots | 26.31                     | 26.61 | 26.61  | 27.50  | 20.31   | 20.61                     | 20.61  | 21.50  | 21.50  |         |
| GPRS 3 Tx slots | 24.42                     | 24.54 | 24.50  | 26.00  | 20.16   | 20.28                     | 20.34  | 21.50  | 21.50  |         |
| GPRS 4 Tx slots | 22.27                     | 22.37 | 22.48  | 23.50  | 19.27   | 19.37                     | 19.48  | 20.50  | 20.50  |         |
| EDGE 1 Tx slot  | 24.91                     | 25.07 | 25.02  | 26.50  | 15.91   | 16.07                     | 16.02  | 17.50  | 17.50  |         |
| EDGE 2 Tx slots | 22.47                     | 22.67 | 22.53  | 24.00  | 16.47   | 16.67                     | 16.53  | 18.00  | 18.00  |         |
| EDGE 3 Tx slots | 20.34                     | 20.71 | 20.71  | 22.00  | 16.06   | 16.45                     | 16.45  | 17.50  | 17.50  |         |
| EDGE 4 Tx slots | 18.66                     | 19.07 | 19.93  | 20.50  | 15.66   | 16.07                     | 15.93  | 17.50  | 17.50  |         |

| Band            | WCDMA 8 Ant 0          |        |       | Tune-up Limit (dBm) | WCDMA 1V Ant 0 |        |        | Tune-up Limit (dBm) | WCDMA V Ant 0 |       |       | Tune-up Limit (dBm) |
|-----------------|------------------------|--------|-------|---------------------|----------------|--------|--------|---------------------|---------------|-------|-------|---------------------|
|                 | TX Channel             | 9262   | 9400  | 9538                | 1312           | 1413   | 1513   |                     | 4132          | 4162  | 4233  |                     |
| Rx Channel      |                        | 9662   | 9800  | 9938                | 1537           | 1638   | 1738   |                     | 4357          | 4407  | 4458  |                     |
| Frequency (MHz) |                        | 1620.4 | 1680  | 1697.4              | 1712.4         | 1723.8 | 1732.8 |                     | 806.4         | 804.4 | 806.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps           | 22.60  | 22.89 | 22.77               | 24.00          | 22.63  | 22.66  | 22.40               | 24.00         | 22.94 | 22.98 | 22.97               |
| 3GPP Rel 99     | RMC 12.2Kbps           | 22.80  | 23.00 | 22.83               | 24.00          | 22.65  | 22.76  | 22.60               | 24.00         | 23.05 | 23.09 | 23.00               |
| 3GPP Rel 6      | HSDPA Subtest-1        | 21.72  | 22.10 | 21.87               | 23.00          | 21.76  | 21.85  | 21.69               | 23.00         | 22.04 | 22.11 | 21.85               |
| 3GPP Rel 6      | HSDPA Subtest-2        | 21.81  | 21.98 | 21.89               | 23.00          | 21.59  | 21.81  | 21.48               | 23.00         | 22.15 | 21.99 | 22.03               |
| 3GPP Rel 6      | HSDPA Subtest-3        | 21.41  | 21.62 | 21.41               | 22.50          | 20.98  | 21.27  | 20.93               | 22.50         | 21.49 | 21.48 | 21.42               |
| 3GPP Rel 6      | HSDPA Subtest-4        | 21.29  | 21.49 | 21.21               | 22.50          | 21.19  | 21.20  | 20.94               | 22.50         | 21.59 | 21.46 | 21.65               |
| 3GPP Rel 6      | HSUPA Subtest-1        | 21.66  | 21.95 | 21.81               | 23.00          | 21.43  | 21.66  | 21.29               | 23.00         | 22.05 | 22.12 | 21.94               |
| 3GPP Rel 6      | HSUPA Subtest-2        | 20.75  | 20.92 | 20.73               | 21.00          | 19.66  | 19.78  | 19.47               | 21.00         | 19.96 | 19.96 | 20.03               |
| 3GPP Rel 6      | HSUPA Subtest-3        | 20.82  | 21.03 | 20.96               | 22.00          | 20.59  | 20.68  | 20.36               | 22.00         | 20.90 | 21.22 | 20.89               |
| 3GPP Rel 6      | HSUPA Subtest-4        | 19.71  | 19.95 | 19.94               | 21.00          | 19.66  | 19.88  | 19.55               | 21.00         | 20.13 | 20.07 | 19.85               |
| 3GPP Rel 6      | HSUPA Subtest-5        | 21.89  | 22.01 | 21.88               | 23.00          | 21.36  | 21.74  | 21.34               | 23.00         | 21.89 | 21.92 | 22.13               |
| 3GPP Rel 7      | HSPA+ (HSPA) Subtest-1 | 19.36  | 19.71 | 19.58               | 20.50          | 19.06  | 19.44  | 19.04               | 20.50         | 19.59 | 19.62 | 19.63               |

| Band 2 Ant 0    |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|-----------|----|---|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power High Ch./Freq. | Turn-up time (sec) | APR3 (dB) |    |   |  |  |
| Channel         |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| 20              | QPSK       | 1       | 0         | 22.31               | 22.41                | 22.29                |                    |           | 24 | 0 |  |  |
| 20              | QPSK       | 1       | 49        | 22.37               | 22.47                | 22.35                |                    |           |    |   |  |  |
| 20              | QPSK       | 1       | 99        | 22.34               | 22.39                | 22.38                |                    |           | 23 | 1 |  |  |
| 20              | QPSK       | 50      | 0         | 21.29               | 21.44                | 21.33                |                    |           |    |   |  |  |
| 20              | QPSK       | 50      | 24        | 21.34               | 21.29                | 21.38                |                    |           |    |   |  |  |
| 20              | QPSK       | 50      | 50        | 21.37               | 21.41                | 21.32                |                    |           |    |   |  |  |
| 20              | QPSK       | 100     | 0         | 21.32               | 21.35                | 21.28                |                    |           | 23 | 1 |  |  |
| 20              | 16QAM      | 50      | 0         | 21.29               | 21.38                | 21.28                |                    |           |    |   |  |  |
| 20              | 16QAM      | 1       | 49        | 21.36               | 21.32                | 21.34                |                    |           | 22 | 2 |  |  |
| 20              | 16QAM      | 1       | 99        | 21.32               | 21.36                | 21.35                |                    |           |    |   |  |  |
| 20              | 16QAM      | 50      | 0         | 20.37               | 20.37                | 20.36                |                    |           | 21 | 3 |  |  |
| 20              | 16QAM      | 50      | 24        | 20.29               | 20.39                | 20.36                |                    |           |    |   |  |  |
| 20              | 16QAM      | 50      | 50        | 20.36               | 20.36                | 20.34                |                    |           |    |   |  |  |
| 20              | 16QAM      | 100     | 0         | 20.37               | 20.36                | 20.32                |                    |           |    |   |  |  |
| 20              | 64QAM      | 1       | 0         | 20.37               | 20.27                | 20.31                |                    |           | 22 | 2 |  |  |
| 20              | 64QAM      | 1       | 49        | 20.32               | 20.28                | 20.34                |                    |           |    |   |  |  |
| 20              | 64QAM      | 1       | 99        | 20.37               | 20.37                | 20.36                |                    |           | 21 | 3 |  |  |
| 20              | 64QAM      | 50      | 0         | 19.39               | 19.29                | 19.39                |                    |           |    |   |  |  |
| 20              | 64QAM      | 50      | 24        | 19.33               | 19.27                | 19.32                |                    |           |    |   |  |  |
| 20              | 64QAM      | 50      | 50        | 19.28               | 19.33                | 19.31                |                    |           |    |   |  |  |
| 20              | 256QAM     | 1       | 49        | 18.40               | 18.35                | 18.40                |                    |           | 19 | 5 |  |  |
| 20              | 256QAM     | 1       | 99        | 18.39               | 18.33                | 18.38                |                    |           |    |   |  |  |
| 20              | 256QAM     | 1       | 99        | 18.37               | 18.34                | 18.36                |                    |           | 19 | 5 |  |  |
| 20              | 256QAM     | 50      | 24        | 18.36               | 18.41                | 18.39                |                    |           |    |   |  |  |
| 20              | 256QAM     | 50      | 50        | 18.31               | 18.29                | 18.31                |                    |           | 20 | 5 |  |  |
| 20              | 256QAM     | 100     | 0         | 18.35               | 18.30                | 18.32                |                    |           |    |   |  |  |
| Channel         |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| 18              | QPSK       | 1       | 37        | 22.17               | 22.34                | 22.22                |                    |           | 24 | 0 |  |  |
| 18              | QPSK       | 1       | 37        | 22.30               | 22.30                | 22.30                |                    |           |    |   |  |  |
| 18              | QPSK       | 1       | 74        | 22.21               | 22.27                | 22.14                |                    |           | 23 | 1 |  |  |
| 18              | QPSK       | 36      | 0         | 21.25               | 21.31                | 21.25                |                    |           |    |   |  |  |
| 18              | QPSK       | 36      | 1         | 21.27               | 21.24                | 21.31                |                    |           |    |   |  |  |
| 18              | QPSK       | 36      | 39        | 21.23               | 21.33                | 21.22                |                    |           |    |   |  |  |
| 18              | QPSK       | 75      | 0         | 21.21               | 21.24                | 21.23                |                    |           | 23 | 1 |  |  |
| 18              | 16QAM      | 1       | 74        | 21.25               | 21.35                | 21.25                |                    |           |    |   |  |  |
| 18              | 16QAM      | 1       | 37        | 21.22               | 21.19                | 21.25                |                    |           | 22 | 2 |  |  |
| 18              | 16QAM      | 1       | 74        | 21.34               | 21.24                | 21.35                |                    |           |    |   |  |  |
| 18              | 16QAM      | 36      | 0         | 20.19               | 20.28                | 20.31                |                    |           | 21 | 3 |  |  |
| 18              | 16QAM      | 36      | 20        | 20.23               | 20.25                | 20.27                |                    |           |    |   |  |  |
| 18              | 16QAM      | 36      | 20        | 20.32               | 20.28                | 20.26                |                    |           |    |   |  |  |
| 18              | 16QAM      | 75      | 0         | 20.32               | 20.28                | 20.26                |                    |           |    |   |  |  |
| 18              | 64QAM      | 1       | 0         | 20.25               | 20.14                | 20.20                |                    |           | 22 | 2 |  |  |
| 18              | 64QAM      | 1       | 37        | 20.32               | 20.15                | 20.24                |                    |           |    |   |  |  |
| 18              | 64QAM      | 1       | 74        | 20.22               | 20.27                | 20.30                |                    |           | 21 | 3 |  |  |
| 18              | 64QAM      | 36      | 0         | 19.35               | 19.14                | 19.25                |                    |           |    |   |  |  |
| 18              | 64QAM      | 36      | 20        | 19.34               | 19.37                | 19.34                |                    |           |    |   |  |  |
| 18              | 64QAM      | 36      | 39        | 19.25               | 19.25                | 19.25                |                    |           |    |   |  |  |
| 18              | 64QAM      | 75      | 0         | 19.26               | 19.30                | 19.18                |                    |           | 19 | 5 |  |  |
| 18              | 256QAM     | 1       | 74        | 18.35               | 18.30                | 18.34                |                    |           |    |   |  |  |
| 18              | 256QAM     | 1       | 37        | 18.34               | 18.31                | 18.31                |                    |           | 19 | 5 |  |  |
| 18              | 256QAM     | 1       | 74        | 18.31               | 18.25                | 18.31                |                    |           |    |   |  |  |
| 18              | 256QAM     | 36      | 0         | 18.35               | 18.30                | 18.35                |                    |           | 19 | 5 |  |  |
| 18              | 256QAM     | 36      | 20        | 18.27               | 18.35                | 18.22                |                    |           |    |   |  |  |
| 18              | 256QAM     | 36      | 39        | 18.28               | 18.18                | 18.25                |                    |           | 20 | 5 |  |  |
| 18              | 256QAM     | 75      | 0         | 18.25               | 18.30                | 18.28                |                    |           |    |   |  |  |
| Channel         |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| 18              | QPSK       | 1       | 0         | 22.31               | 22.38                | 22.30                |                    |           | 24 | 0 |  |  |
| 18              | QPSK       | 1       | 25        | 22.31               | 22.28                | 22.24                |                    |           |    |   |  |  |
| 18              | QPSK       | 1       | 49        | 22.24               | 22.25                | 22.23                |                    |           | 23 | 1 |  |  |
| 18              | QPSK       | 36      | 0         | 21.27               | 21.28                | 21.27                |                    |           |    |   |  |  |
| 18              | QPSK       | 25      | 12        | 21.24               | 21.22                | 21.26                |                    |           |    |   |  |  |
| 18              | QPSK       | 25      | 25        | 21.30               | 21.31                | 21.28                |                    |           |    |   |  |  |
| 18              | QPSK       | 50      | 0         | 21.28               | 21.28                | 21.28                |                    |           | 23 | 1 |  |  |
| 18              | 16QAM      | 1       | 0         | 21.17               | 21.31                | 21.34                |                    |           |    |   |  |  |
| 18              | 16QAM      | 1       | 26        | 21.32               | 21.22                | 21.20                |                    |           | 23 | 1 |  |  |
| 18              | 16QAM      | 1       | 49        | 21.34               | 21.29                | 21.30                |                    |           |    |   |  |  |
| 18              | 16QAM      | 25      | 0         | 20.24               | 20.24                | 20.20                |                    |           | 22 | 2 |  |  |
| 18              | 16QAM      | 25      | 12        | 20.22               | 20.30                | 20.31                |                    |           |    |   |  |  |
| 18              | 16QAM      | 25      | 24        | 20.33               | 20.23                | 20.23                |                    |           |    |   |  |  |
| 18              | 16QAM      | 50      | 0         | 20.31               | 20.33                | 20.25                |                    |           |    |   |  |  |
| 18              | 64QAM      | 1       | 0         | 20.23               | 20.15                | 20.20                |                    |           | 22 | 2 |  |  |
| 18              | 64QAM      | 1       | 24        | 20.27               | 20.15                | 20.20                |                    |           |    |   |  |  |
| 18              | 64QAM      | 1       | 49        | 20.33               | 20.25                | 20.30                |                    |           | 21 | 3 |  |  |
| 18              | 64QAM      | 25      | 0         | 19.25               | 19.26                | 19.30                |                    |           |    |   |  |  |
| 18              | 64QAM      | 25      | 12        | 19.22               | 19.26                | 19.24                |                    |           |    |   |  |  |
| 18              | 64QAM      | 25      | 25        | 19.18               | 19.27                | 19.20                |                    |           |    |   |  |  |
| 18              | 64QAM      | 50      | 0         | 19.21               | 19.26                | 19.20                |                    |           | 19 | 5 |  |  |
| 18              | 256QAM     | 1       | 49        | 18.21               | 18.24                | 18.31                |                    |           |    |   |  |  |
| 18              | 256QAM     | 1       | 26        | 18.31               | 18.23                | 18.36                |                    |           | 19 | 5 |  |  |
| 18              | 256QAM     | 1       | 49        | 18.30               | 18.30                | 18.28                |                    |           |    |   |  |  |
| 18              | 256QAM     | 25      | 0         | 18.15               | 18.27                | 18.25                |                    |           | 19 | 5 |  |  |
| 18              | 256QAM     | 25      | 12        | 18.23               | 18.36                | 18.26                |                    |           |    |   |  |  |
| 18              | 256QAM     | 25      | 25        | 18.19               | 18.24                | 18.16                |                    |           | 20 | 5 |  |  |
| 18              | 256QAM     | 50      | 0         | 18.28               | 18.27                | 18.27                |                    |           |    |   |  |  |
| Channel         |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| 5               | QPSK       | 1       | 0         | 22.31               | 22.38                | 22.30                |                    |           | 24 | 0 |  |  |
| 5               | QPSK       | 1       | 12        | 22.33               | 22.24                | 22.14                |                    |           |    |   |  |  |
| 5               | QPSK       | 1       | 24        | 22.24               | 22.32                | 22.14                |                    |           | 23 | 1 |  |  |
| 5               | QPSK       | 12      | 0         | 21.15               | 21.32                | 21.30                |                    |           |    |   |  |  |
| 5               | QPSK       | 12      | 7         | 21.22               | 21.21                | 21.34                |                    |           |    |   |  |  |
| 5               | QPSK       | 12      | 13        | 21.30               | 21.26                | 21.27                |                    |           |    |   |  |  |
| 5               | QPSK       | 20      | 0         | 21.18               | 21.24                | 21.31                |                    |           | 23 | 1 |  |  |
| 5               | 16QAM      | 1       | 0         | 21.25               | 21.29                | 21.36                |                    |           |    |   |  |  |
| 5               | 16QAM      | 1       | 12        | 21.22               | 21.19                | 21.23                |                    |           | 23 | 1 |  |  |
| 5               | 16QAM      | 1       | 24        | 21.24               | 21.26                | 21.23                |                    |           |    |   |  |  |
| 5               | 16QAM      | 12      | 0         | 20.24               | 20.26                | 20.25                |                    |           | 22 | 2 |  |  |
| 5               | 16QAM      | 12      | 7         | 20.21               | 20.33                | 20.23                |                    |           |    |   |  |  |
| 5               | 16QAM      | 12      | 13        | 20.28               | 20.27                | 20.25                |                    |           |    |   |  |  |
| 5               | 16QAM      | 25      | 0         | 20.30               | 20.27                | 20.24                |                    |           |    |   |  |  |
| 5               | 64QAM      | 1       | 0         | 20.25               | 20.14                | 20.21                |                    |           | 22 | 2 |  |  |
| 5               | 64QAM      | 1       | 12        | 20.25               | 20.17                | 20.25                |                    |           |    |   |  |  |
| 5               | 64QAM      | 1       | 24        | 20.33               | 20.26                | 20.25                |                    |           | 21 | 3 |  |  |
| 5               | 64QAM      | 12      | 0         | 19.32               | 19.23                | 19.35                |                    |           |    |   |  |  |
| 5               | 64QAM      | 12      | 7         | 19.20               | 19.13                | 19.24                |                    |           |    |   |  |  |
| 5               | 64QAM      | 12      | 13        | 19.25               | 19.29                | 19.24                |                    |           |    |   |  |  |
| 5               | 64QAM      | 25      | 0         | 19.26               | 19.22                | 19.32                |                    |           | 19 | 5 |  |  |
| 5               | 256QAM     | 1       | 0         | 18.20               | 18.30                | 18.28                |                    |           |    |   |  |  |
| 5               | 256QAM     | 1       | 12        | 18.37               | 18.32                | 18.34                |                    |           | 19 | 5 |  |  |
| 5               | 256QAM     | 1       | 24        | 18.33               | 18.21                | 18.32                |                    |           |    |   |  |  |
| 5               | 256QAM     | 12      | 0         | 18.13               | 18.26                | 18.27                |                    |           | 19 | 5 |  |  |
| 5               | 256QAM     | 12      | 7         | 18.24               | 18.30                | 18.25                |                    |           |    |   |  |  |
| 5               | 256QAM     | 12      | 13        | 18.21               | 18.24                | 18.32                |                    |           | 20 | 5 |  |  |
| 5               | 256QAM     | 25      | 0         | 18.26               | 18.30                | 18.24                |                    |           |    |   |  |  |
| Channel         |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                    |           |    |   |  |  |
| 3               | QPSK       | 1       | 0         | 22.17               | 22.37                | 22.25                |                    |           | 24 | 0 |  |  |
| 3               | QPSK       | 1       | 8         | 22.29               | 22.24                | 22.02                |                    |           |    |   |  |  |
| 3               | QPSK       | 1       | 14        | 22.24               | 22.25                | 22.16                |                    |           | 23 | 1 |  |  |
| 3               | QPSK       | 8       | 0         | 21.14               | 21.33                | 21.28                |                    |           |    |   |  |  |
| 3               | QPSK       | 8       | 4         | 21.24               | 21.23                | 21.35                |                    |           |    |   |  |  |
| 3               | QPSK       | 8       | 7         | 21.25               | 21.26                | 21.25                |                    |           |    |   |  |  |
| 3               | QPSK       | 15      | 0         | 21.22               | 21.27                | 21.25                |                    |           | 23 | 1 |  |  |
| 3               | 16QAM      | 1       | 0         | 21.14               | 21.25                | 21.28                |                    |           |    |   |  |  |
| 3               | 16QAM      | 1       | 8         | 21.23               | 21.22                | 21.23                |                    |           |    |   |  |  |

| Band 12 Ant 0   |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------|----------|--|----|---|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (sec) | MPE (dB) |  |    |   |  |
| Channel         |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
| 10              | QPSK       | 1       | 0         | 22.49               | 22.57               | 22.48                | 24                 | 0        |  |    |   |  |
| 10              | QPSK       | 1       | 24        | 22.48               | 22.51               | 22.25                |                    |          |  |    |   |  |
| 10              | QPSK       | 1       | 48        | 22.54               | 22.49               | 20.43                |                    |          |  |    |   |  |
| 10              | QPSK       | 25      | 0         | 21.30               | 21.50               | 21.45                |                    |          |  |    |   |  |
| 10              | QPSK       | 25      | 12        | 21.48               | 21.48               | 21.35                | 23                 | 1        |  |    |   |  |
| 10              | QPSK       | 25      | 25        | 21.39               | 21.30               | 21.49                |                    |          |  |    |   |  |
| 10              | QPSK       | 50      | 0         | 21.36               | 21.44               | 21.30                |                    |          |  |    |   |  |
| 10              | 16QAM      | 1       | 0         | 21.54               | 21.45               | 21.08                |                    |          |  |    |   |  |
| 10              | 16QAM      | 1       | 24        | 21.66               | 21.63               | 21.39                | 23                 | 1        |  |    |   |  |
| 10              | 16QAM      | 1       | 48        | 21.53               | 21.57               | 21.69                |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 0         | 20.48               | 20.51               | 20.43                |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 12        | 20.40               | 20.45               | 20.34                |                    |          |  |    |   |  |
| 10              | 16QAM      | 25      | 25        | 20.39               | 20.38               | 20.42                | 22                 | 2        |  |    |   |  |
| 10              | 16QAM      | 50      | 0         | 20.41               | 20.33               | 20.31                |                    |          |  |    |   |  |
| 10              | 64QAM      | 1       | 0         | 20.34               | 20.50               | 20.42                |                    |          |  |    |   |  |
| 10              | 64QAM      | 1       | 24        | 20.59               | 20.36               | 20.38                |                    |          |  |    |   |  |
| 10              | 64QAM      | 1       | 48        | 20.34               | 20.51               | 20.30                | 21                 | 3        |  |    |   |  |
| 10              | 64QAM      | 25      | 0         | 19.46               | 19.49               | 19.37                |                    |          |  |    |   |  |
| 10              | 64QAM      | 25      | 12        | 19.42               | 19.28               | 19.43                |                    |          |  |    |   |  |
| 10              | 64QAM      | 25      | 25        | 19.43               | 19.45               | 19.33                |                    |          |  |    |   |  |
| 10              | 256QAM     | 1       | 0         | 17.47               | 17.50               | 17.35                | 19                 | 5        |  |    |   |  |
| 10              | 256QAM     | 1       | 25        | 17.60               | 17.57               | 17.51                |                    |          |  |    |   |  |
| 10              | 256QAM     | 1       | 48        | 17.49               | 17.42               | 17.57                |                    |          |  |    |   |  |
| 10              | 256QAM     | 25      | 0         | 17.48               | 17.49               | 17.38                |                    |          |  |    |   |  |
| 10              | 256QAM     | 25      | 12        | 17.53               | 17.59               | 17.51                |                    |          |  |    |   |  |
| 10              | 256QAM     | 25      | 25        | 17.66               | 17.57               | 17.61                |                    |          |  |    |   |  |
| 10              | 256QAM     | 50      | 0         | 17.60               | 17.59               | 17.52                |                    |          |  |    |   |  |
| 10              | 256QAM     | 50      | 0         | 17.54               | 17.60               | 17.42                | Unk-up time (sec)  | MPE (dB) |  |    |   |  |
| Channel         |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
| 5               | QPSK       | 1       | 0         | 22.41               | 22.45               | 22.38                |                    |          |  | 24 | 0 |  |
| 5               | QPSK       | 1       | 12        | 22.37               | 22.38               | 22.18                |                    |          |  |    |   |  |
| 5               | QPSK       | 1       | 24        | 22.41               | 22.38               | 22.28                |                    |          |  |    |   |  |
| 5               | QPSK       | 12      | 0         | 21.15               | 21.35               | 21.37                |                    |          |  |    |   |  |
| 5               | QPSK       | 12      | 7         | 21.33               | 21.36               | 21.27                | 23                 | 1        |  |    |   |  |
| 5               | QPSK       | 12      | 13        | 21.32               | 21.19               | 21.34                |                    |          |  |    |   |  |
| 5               | QPSK       | 25      | 0         | 21.22               | 21.31               | 21.18                |                    |          |  |    |   |  |
| 5               | 16QAM      | 1       | 0         | 21.43               | 21.33               | 21.03                |                    |          |  |    |   |  |
| 5               | 16QAM      | 1       | 12        | 21.54               | 21.54               | 21.51                | 23                 | 1        |  |    |   |  |
| 5               | 16QAM      | 1       | 24        | 21.47               | 21.50               | 21.61                |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 0         | 20.39               | 20.41               | 20.31                |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 7         | 20.31               | 20.36               | 20.45                |                    |          |  |    |   |  |
| 5               | 16QAM      | 12      | 13        | 20.32               | 20.32               | 20.32                | 22                 | 2        |  |    |   |  |
| 5               | 16QAM      | 25      | 0         | 20.29               | 20.42               | 20.45                |                    |          |  |    |   |  |
| 5               | 64QAM      | 1       | 0         | 20.25               | 20.37               | 20.30                |                    |          |  |    |   |  |
| 5               | 64QAM      | 1       | 12        | 20.43               | 20.30               | 20.32                |                    |          |  |    |   |  |
| 5               | 64QAM      | 1       | 24        | 20.26               | 20.41               | 20.31                | 21                 | 3        |  |    |   |  |
| 5               | 64QAM      | 12      | 0         | 19.36               | 19.23               | 19.25                |                    |          |  |    |   |  |
| 5               | 64QAM      | 12      | 13        | 19.33               | 19.30               | 19.44                |                    |          |  |    |   |  |
| 5               | 64QAM      | 12      | 13        | 19.40               | 19.43               | 19.39                |                    |          |  |    |   |  |
| 5               | 256QAM     | 1       | 0         | 17.36               | 17.38               | 17.64                | Unk-up time (sec)  | MPE (dB) |  |    |   |  |
| 5               | 256QAM     | 1       | 12        | 17.49               | 17.47               | 17.51                |                    |          |  |    |   |  |
| 5               | 256QAM     | 1       | 24        | 17.40               | 17.31               | 17.47                |                    |          |  |    |   |  |
| 5               | 256QAM     | 12      | 0         | 17.48               | 17.35               | 17.58                |                    |          |  |    |   |  |
| 5               | 256QAM     | 12      | 7         | 17.43               | 17.52               | 17.49                |                    |          |  |    |   |  |
| 5               | 256QAM     | 12      | 13        | 17.45               | 17.47               | 17.51                |                    |          |  |    |   |  |
| 5               | 256QAM     | 25      | 0         | 17.46               | 17.50               | 17.50                |                    |          |  |    |   |  |
| 5               | 256QAM     | 25      | 0         | 17.46               | 17.50               | 17.50                | Unk-up time (sec)  | MPE (dB) |  |    |   |  |
| Channel         |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
| 3               | QPSK       | 1       | 0         | 22.42               | 22.41               | 22.39                |                    |          |  | 24 | 0 |  |
| 3               | QPSK       | 1       | 8         | 22.39               | 22.41               | 22.19                |                    |          |  |    |   |  |
| 3               | QPSK       | 1       | 14        | 22.42               | 22.38               | 22.30                |                    |          |  |    |   |  |
| 3               | QPSK       | 8       | 0         | 21.16               | 21.36               | 21.38                |                    |          |  |    |   |  |
| 3               | QPSK       | 8       | 4         | 21.37               | 21.38               | 21.31                | 23                 | 1        |  |    |   |  |
| 3               | QPSK       | 8       | 7         | 21.32               | 21.21               | 21.33                |                    |          |  |    |   |  |
| 3               | QPSK       | 16      | 0         | 21.23               | 21.30               | 21.20                |                    |          |  |    |   |  |
| 3               | 16QAM      | 1       | 0         | 21.49               | 21.37               | 21.57                |                    |          |  |    |   |  |
| 3               | 16QAM      | 1       | 8         | 21.67               | 21.56               | 21.48                | 23                 | 1        |  |    |   |  |
| 3               | 16QAM      | 1       | 16        | 21.46               | 21.51               | 21.39                |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 0         | 20.39               | 20.43               | 20.31                |                    |          |  |    |   |  |
| 3               | 16QAM      | 8       | 4         | 20.29               | 20.38               | 20.43                |                    |          |  |    |   |  |
| 3               | 16QAM      | 15      | 0         | 20.35               | 20.30               | 20.36                | 22                 | 2        |  |    |   |  |
| 3               | 64QAM      | 1       | 0         | 20.27               | 20.45               | 20.45                |                    |          |  |    |   |  |
| 3               | 64QAM      | 1       | 0         | 20.24               | 20.42               | 20.30                |                    |          |  |    |   |  |
| 3               | 64QAM      | 1       | 8         | 20.40               | 20.24               | 20.31                |                    |          |  |    |   |  |
| 3               | 64QAM      | 1       | 14        | 20.25               | 20.39               | 20.30                | 21                 | 3        |  |    |   |  |
| 3               | 64QAM      | 8       | 0         | 19.37               | 19.43               | 19.27                |                    |          |  |    |   |  |
| 3               | 64QAM      | 8       | 4         | 19.32               | 19.22               | 19.36                |                    |          |  |    |   |  |
| 3               | 64QAM      | 8       | 7         | 19.31               | 19.33               | 19.40                |                    |          |  |    |   |  |
| 3               | 64QAM      | 15      | 0         | 19.39               | 19.42               | 19.38                | 19                 | 5        |  |    |   |  |
| 3               | 256QAM     | 1       | 0         | 17.38               | 17.41               | 17.34                |                    |          |  |    |   |  |
| 3               | 256QAM     | 1       | 8         | 17.51               | 17.49               | 17.53                |                    |          |  |    |   |  |
| 3               | 256QAM     | 1       | 14        | 17.37               | 17.29               | 17.44                |                    |          |  |    |   |  |
| 3               | 256QAM     | 8       | 0         | 17.52               | 17.54               | 17.56                | Unk-up time (sec)  | MPE (dB) |  |    |   |  |
| 3               | 256QAM     | 8       | 4         | 17.40               | 17.50               | 17.46                |                    |          |  |    |   |  |
| 3               | 256QAM     | 8       | 7         | 17.52               | 17.46               | 17.55                |                    |          |  |    |   |  |
| 3               | 256QAM     | 15      | 0         | 17.44               | 17.50               | 17.48                |                    |          |  |    |   |  |
| Channel         |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                    |          |  |    |   |  |
| 1.4             | QPSK       | 1       | 0         | 22.33               | 22.43               | 22.39                | 24                 | 0        |  |    |   |  |
| 1.4             | QPSK       | 1       | 3         | 22.37               | 22.41               | 22.17                |                    |          |  |    |   |  |
| 1.4             | QPSK       | 1       | 5         | 22.43               | 22.38               | 22.29                |                    |          |  |    |   |  |
| 1.4             | QPSK       | 3       | 0         | 22.42               | 22.44               | 22.40                |                    |          |  |    |   |  |
| 1.4             | QPSK       | 3       | 1         | 22.36               | 22.40               | 22.17                | 23                 | 1        |  |    |   |  |
| 1.4             | QPSK       | 3       | 3         | 22.38               | 22.38               | 22.33                |                    |          |  |    |   |  |
| 1.4             | QPSK       | 6       | 0         | 21.24               | 21.29               | 21.20                |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 1       | 0         | 21.44               | 21.36               | 21.05                |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 1       | 3         | 21.68               | 21.54               | 21.51                | 23                 | 1        |  |    |   |  |
| 1.4             | 16QAM      | 1       | 5         | 21.42               | 21.51               | 21.59                |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 0         | 21.17               | 21.35               | 21.35                |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 3       | 1         | 21.36               | 21.38               | 21.27                |                    |          |  |    |   |  |
| 1.4             | 16QAM      | 17      | 0         | 20.31               | 20.44               | 20.44                | 22                 | 2        |  |    |   |  |
| 1.4             | 64QAM      | 1       | 0         | 20.27               | 20.39               | 20.38                |                    |          |  |    |   |  |
| 1.4             | 64QAM      | 1       | 3         | 20.44               | 20.28               | 20.30                |                    |          |  |    |   |  |
| 1.4             | 64QAM      | 1       | 5         | 20.23               | 20.42               | 20.29                |                    |          |  |    |   |  |
| 1.4             | 64QAM      | 3       | 0         | 20.36               | 20.41               | 20.32                | 21                 | 3        |  |    |   |  |
| 1.4             | 64QAM      | 3       | 1         | 20.31               | 20.34               | 20.43                |                    |          |  |    |   |  |
| 1.4             | 64QAM      | 3       | 3         | 20.34               | 20.30               | 20.36                |                    |          |  |    |   |  |
| 1.4             | 64QAM      | 6       | 0         | 19.40               | 19.45               | 19.39                |                    |          |  |    |   |  |
| 1.4             | 256QAM     | 1       | 0         | 17.34               | 17.50               | 17.40                | 19                 | 5        |  |    |   |  |
| 1.4             | 256QAM     | 1       | 3         | 17.52               | 17.49               | 17.49                |                    |          |  |    |   |  |
| 1.4             | 256QAM     | 1       | 5         | 17.38               | 17.27               | 17.45                |                    |          |  |    |   |  |
| 1.4             | 256QAM     | 3       | 0         | 17.50               | 17.50               | 17.51                |                    |          |  |    |   |  |
| 1.4             | 256QAM     | 3       | 1         | 17.42               | 17.53               | 17.49                | 19                 | 5        |  |    |   |  |
| 1.4             | 256QAM     | 3       | 3         | 17.34               | 17.44               | 17.52                |                    |          |  |    |   |  |
| 1.4             | 256QAM     | 6       | 0         | 17.47               | 17.49               | 17.51                |                    |          |  |    |   |  |

| Band 17 Ant 0   |            |         |           |                           |                           |                            |                       |          |  |
|-----------------|------------|---------|-----------|---------------------------|---------------------------|----------------------------|-----------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch./Freq. | Power<br>Mid<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Turn-up<br>time (sec) | MPE (dB) |  |
| Channel         |            |         |           |                           |                           |                            |                       |          |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |                       |          |  |
| 10              | QPSK       | 1       | 0         | 22.39                     | 22.36                     | 22.44                      | 24                    | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.43                     | 22.42                     | 22.21                      |                       |          |  |
| 10              | QPSK       | 1       | 49        | 22.53                     | 22.38                     | 22.38                      |                       |          |  |
| 10              | QPSK       | 25      | 0         | 21.23                     | 21.50                     | 21.42                      |                       |          |  |
| 10              | QPSK       | 25      | 12        | 21.41                     | 21.38                     | 21.32                      | 23                    | 1        |  |
| 10              | QPSK       | 25      | 25        | 21.39                     | 21.24                     | 21.49                      |                       |          |  |
| 10              | QPSK       | 50      | 0         | 21.27                     | 21.34                     | 21.21                      |                       |          |  |
| 10              | 16QAM      | 1       | 0         | 21.55                     | 21.34                     | 21.62                      | 23                    | 1        |  |
| 10              | 16QAM      | 1       | 25        | 21.58                     | 21.24                     | 21.54                      |                       |          |  |
| 10              | 16QAM      | 1       | 49        | 21.64                     | 21.47                     | 21.69                      |                       |          |  |
| 10              | 16QAM      | 25      | 0         | 20.49                     | 20.49                     | 20.18                      |                       |          |  |
| 10              | 16QAM      | 25      | 12        | 20.32                     | 20.45                     | 20.35                      | 22                    | 2        |  |
| 10              | 16QAM      | 25      | 25        | 20.39                     | 20.33                     | 20.45                      |                       |          |  |
| 10              | 16QAM      | 50      | 0         | 20.37                     | 20.43                     | 20.30                      | 22                    | 2        |  |
| 10              | 16QAM      | 50      | 12        | 20.43                     | 20.43                     | 20.30                      |                       |          |  |
| 10              | 16QAM      | 1       | 25        | 20.35                     | 20.35                     | 20.25                      |                       |          |  |
| 10              | 16QAM      | 1       | 49        | 20.32                     | 20.32                     | 20.38                      |                       |          |  |
| 10              | 16QAM      | 25      | 0         | 19.45                     | 19.45                     | 19.30                      | 21                    | 3        |  |
| 10              | 16QAM      | 25      | 12        | 19.35                     | 19.29                     | 19.34                      |                       |          |  |
| 10              | 16QAM      | 25      | 25        | 19.37                     | 19.40                     | 19.45                      |                       |          |  |
| 10              | 16QAM      | 50      | 0         | 19.37                     | 19.53                     | 19.30                      |                       |          |  |
| 10              | 25QAM      | 1       | 0         | 17.38                     | 17.43                     | 17.63                      | 19                    | 5        |  |
| 10              | 25QAM      | 1       | 25        | 17.55                     | 17.48                     | 17.57                      |                       |          |  |
| 10              | 25QAM      | 1       | 49        | 17.36                     | 17.50                     | 17.50                      |                       |          |  |
| 10              | 25QAM      | 25      | 0         | 17.56                     | 17.45                     | 17.64                      |                       |          |  |
| 10              | 25QAM      | 25      | 12        | 17.50                     | 17.59                     | 17.58                      | 19                    | 5        |  |
| 10              | 25QAM      | 25      | 25        | 17.48                     | 17.51                     | 17.62                      |                       |          |  |
| 10              | 25QAM      | 50      | 0         | 17.43                     | 17.51                     | 17.58                      |                       |          |  |
| 10              | 25QAM      | 50      | 12        | 17.56                     | 17.56                     | 17.56                      |                       |          |  |
| Channel         |            |         |           |                           |                           |                            |                       |          |  |
| Frequency (MHz) |            |         |           |                           |                           |                            |                       |          |  |
| 5               | QPSK       | 1       | 0         | 22.34                     | 22.37                     | 22.35                      | 24                    | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.34                     | 22.31                     | 22.21                      |                       |          |  |
| 5               | QPSK       | 1       | 42        | 22.42                     | 22.27                     | 22.22                      |                       |          |  |
| 5               | QPSK       | 12      | 0         | 21.18                     | 21.40                     | 21.30                      |                       |          |  |
| 5               | QPSK       | 12      | 7         | 21.42                     | 21.28                     | 21.29                      | 23                    | 1        |  |
| 5               | QPSK       | 12      | 19        | 21.35                     | 21.24                     | 21.41                      |                       |          |  |
| 5               | QPSK       | 25      | 0         | 21.18                     | 21.33                     | 21.18                      |                       |          |  |
| 5               | 16QAM      | 1       | 0         | 21.47                     | 21.23                     | 21.53                      | 22                    | 2        |  |
| 5               | 16QAM      | 1       | 12        | 21.47                     | 21.24                     | 21.44                      |                       |          |  |
| 5               | 16QAM      | 1       | 24        | 21.40                     | 21.31                     | 21.61                      |                       |          |  |
| 5               | 16QAM      | 12      | 0         | 20.46                     | 20.43                     | 20.22                      |                       |          |  |
| 5               | 16QAM      | 12      | 7         | 20.42                     | 20.45                     | 20.23                      | 22                    | 2        |  |
| 5               | 16QAM      | 12      | 19        | 20.38                     | 20.29                     | 20.31                      |                       |          |  |
| 5               | 16QAM      | 25      | 0         | 20.28                     | 20.39                     | 20.49                      |                       |          |  |
| 5               | 25QAM      | 1       | 0         | 19.31                     | 19.39                     | 19.49                      | 22                    | 2        |  |
| 5               | 25QAM      | 1       | 12        | 20.42                     | 20.28                     | 20.22                      |                       |          |  |
| 5               | 25QAM      | 1       | 24        | 20.31                     | 20.44                     | 20.33                      |                       |          |  |
| 5               | 25QAM      | 12      | 0         | 19.25                     | 19.41                     | 19.30                      |                       |          |  |
| 5               | 25QAM      | 12      | 7         | 19.27                     | 19.25                     | 19.26                      | 21                    | 3        |  |
| 5               | 25QAM      | 12      | 19        | 19.30                     | 19.38                     | 19.37                      |                       |          |  |
| 5               | 25QAM      | 12      | 24        | 19.46                     | 19.46                     | 19.48                      |                       |          |  |
| 5               | 25QAM      | 1       | 0         | 17.27                     | 17.34                     | 17.51                      |                       |          |  |
| 5               | 25QAM      | 1       | 12        | 17.52                     | 17.41                     | 17.48                      | 19                    | 5        |  |
| 5               | 25QAM      | 1       | 24        | 17.36                     | 17.34                     | 17.44                      |                       |          |  |
| 5               | 25QAM      | 12      | 0         | 17.46                     | 17.35                     | 17.58                      |                       |          |  |
| 5               | 25QAM      | 12      | 7         | 17.48                     | 17.54                     | 17.59                      |                       |          |  |
| 5               | 25QAM      | 12      | 19        | 17.65                     | 17.52                     | 17.59                      | 19                    | 5        |  |
| 5               | 25QAM      | 25      | 0         | 17.39                     | 17.50                     | 17.55                      |                       |          |  |

| Band 26 Ant 0   |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|-------------------|----------|--|--|--|--|--|--|
| BM [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up Int. (dB) | APR (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.60               | 22.66               | 22.61                | 24                | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 22.59               | 22.61               | 22.63                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.60               | 22.59               | 22.63                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.63               | 21.68               | 21.64                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.62               | 21.64               | 21.64                | 23                | 1        |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 21.63               | 21.65               | 21.64                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.66               | 21.67               | 21.62                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.61               | 21.62               | 21.65                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 21.61               | 21.61               | 21.65                | 23                | 1        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.66               | 21.65               | 21.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 20.63               | 20.62               | 20.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 20.63               | 20.59               | 20.59                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 20.64               | 20.69               | 20.63                | 22                | 2        |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.61               | 20.64               | 20.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 20.65               | 20.64               | 20.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 20.63               | 20.65               | 20.64                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 20.65               | 20.64               | 20.62                | 22                | 2        |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 19.60               | 19.62               | 19.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 19.65               | 19.61               | 19.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 19.63               | 19.64               | 19.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 19.64               | 19.60               | 19.61                | 21                | 3        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 19.61               | 19.66               | 19.64                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 19.60               | 19.61               | 19.62                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 18.65               | 18.65               | 18.69                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 18.62               | 18.65               | 18.64                | 19                | 5        |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 18.62               | 18.65               | 18.62                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 36        | 18.62               | 18.65               | 18.65                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 18.65               | 18.62               | 18.65                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.47               | 22.52               | 22.52                | 24                | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 37        | 22.49               | 22.54               | 22.52                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.47               | 22.47               | 22.56                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.53               | 21.50               | 21.52                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.50               | 21.52               | 21.53                | 23                | 1        |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.51               | 21.55               | 21.57                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.55               | 21.54               | 21.56                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.52               | 21.53               | 21.58                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.52               | 21.49               | 21.56                | 23                | 1        |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.54               | 21.56               | 21.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 20.52               | 20.51               | 20.49                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.52               | 20.51               | 20.55                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.52               | 20.55               | 20.52                | 22                | 2        |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.48               | 20.52               | 20.51                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 20.53               | 20.51               | 20.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 20.55               | 20.55               | 20.52                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 20.53               | 20.54               | 20.53                | 21                | 3        |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 19.49               | 19.55               | 19.51                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 19.48               | 19.54               | 19.51                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 19.51               | 19.52               | 19.54                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 0       | 0         | 18.54               | 18.54               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 18.48               | 18.52               | 18.51                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 18.57               | 18.56               | 18.59                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 18.51               | 18.57               | 18.53                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 18.55               | 18.58               | 18.59                | 19                | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 18.49               | 18.54               | 18.55                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 18.53               | 18.52               | 18.58                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.50               | 22.52               | 22.54                | 24                | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.48               | 22.52               | 22.57                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.50               | 22.48               | 22.53                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.52               | 21.53               | 21.57                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.51               | 21.52               | 21.53                | 23                | 1        |  |  |  |  |  |  |
| 5               | QPSK       | 36      | 0         | 21.52               | 21.53               | 21.56                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.52               | 21.51               | 21.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.52               | 21.51               | 21.56                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.46               | 21.58               | 21.54                | 23                | 1        |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.52               | 20.51               | 20.54                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.54               | 20.50               | 20.53                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 18        | 20.56               | 20.53               | 20.55                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.54               | 20.57               | 20.51                | 22                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 20.58               | 20.54               | 20.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 20.51               | 20.54               | 20.53                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 20.57               | 20.55               | 20.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 19.49               | 19.50               | 19.54                | 21                | 3        |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 19.55               | 19.51               | 19.54                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 19.52               | 19.56               | 19.49                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 19.51               | 19.52               | 19.49                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 0       | 0         | 18.48               | 18.53               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 18.51               | 18.49               | 18.55                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 18.52               | 18.55               | 18.51                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 18.54               | 18.58               | 18.54                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 18.52               | 18.58               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 18.51               | 18.54               | 18.53                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 18.54               | 18.51               | 18.53                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.48               | 22.53               | 22.53                | 24                | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.51               | 22.51               | 22.53                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 14        | 22.52               | 22.47               | 22.54                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.51               | 21.54               | 21.52                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.52               | 21.56               | 21.54                | 23                | 1        |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.51               | 21.57               | 21.54                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 16      | 0         | 21.58               | 21.58               | 21.54                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.48               | 21.52               | 21.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.48               | 21.48               | 21.58                | 23                | 1        |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.59               | 21.57               | 21.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 20.54               | 20.50               | 20.59                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 20.56               | 20.49               | 20.56                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 20.55               | 20.57               | 20.50                | 22                | 2        |  |  |  |  |  |  |
| 3               | 16QAM      | 16      | 0         | 20.52               | 20.54               | 20.48                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 20.55               | 20.52               | 20.50                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 20.51               | 20.55               | 20.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 20.58               | 20.54               | 20.52                | 21                | 3        |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 19.52               | 19.52               | 19.54                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 19.57               | 19.52               | 19.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 19.56               | 19.52               | 19.53                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 16      | 0         | 19.51               | 19.49               | 19.53                | 19                | 5        |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 18.53               | 18.58               | 18.51                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 8         | 18.51               | 18.52               | 18.51                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 18.52               | 18.55               | 18.48                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 0         | 18.54               | 18.58               | 18.52                | 19                | 5        |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 4         | 18.51               | 18.53               | 18.52                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 7         |                     |                     |                      |                   |          |  |  |  |  |  |  |

| GSM850 Ant 1    |  | Burst Average Power (dbm) |       |       | Turn-up Limit (dbm) | Frame-Average Power (dbm) |       |       | Turn-up Limit (dbm) |
|-----------------|--|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| TX Channel      |  | 126                       | 189   | 251   |                     | 191                       | 189   | 231   |                     |
| Frequency (MHz) |  | 834.2                     | 836.4 | 848.8 |                     | 834.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   |  | 33.49                     | 33.76 | 33.76 | 35.00               | 24.49                     | 24.76 | 24.76 | 26.00               |
| GPRS 1 Tx slot  |  | 33.42                     | 33.65 | 33.62 | 35.00               | 24.42                     | 24.65 | 24.62 | 26.00               |
| GPRS 2 Tx slots |  | 30.44                     | 30.69 | 30.46 | 32.00               | 24.44                     | 24.69 | 24.46 | 26.00               |
| GPRS 3 Tx slots |  | 26.51                     | 26.75 | 26.73 | 30.00               | 24.25                     | 24.49 | 24.47 | 25.74               |
| GPRS 4 Tx slots |  | 27.48                     | 27.48 | 27.76 | 28.50               | 24.48                     | 24.48 | 24.76 | 25.50               |
| EDGE 1 Tx slot  |  | 27.76                     | 27.60 | 27.59 | 28.50               | 18.76                     | 18.60 | 18.59 | 19.50               |
| EDGE 2 Tx slots |  | 25.02                     | 24.96 | 25.16 | 26.00               | 18.02                     | 18.96 | 18.16 | 20.00               |
| EDGE 3 Tx slots |  | 22.97                     | 22.89 | 23.31 | 24.00               | 18.71                     | 18.63 | 19.05 | 19.74               |
| EDGE 4 Tx slots |  | 21.34                     | 21.33 | 21.55 | 22.50               | 18.34                     | 18.33 | 18.55 | 19.50               |

| Band            |                         | WCDMA V Ant 1 |       |       | Turn-up Limit (dbm) |
|-----------------|-------------------------|---------------|-------|-------|---------------------|
| TX Channel      |                         | 4192          | 4182  | 4233  |                     |
| Rx Channel      |                         | 4357          | 4407  | 4458  |                     |
| Frequency (MHz) |                         | 826.4         | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps            | 22.55         | 22.54 | 22.53 | 24.00               |
| 3GPP Rel 99     | AMR 12.2Kbps            | 22.58         | 22.55 | 22.57 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-1         | 21.89         | 21.63 | 21.64 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-2         | 21.66         | 21.58 | 21.61 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-3         | 21.16         | 21.08 | 21.09 | 22.00               |
| 3GPP Rel 6      | HSDPA Subtest-4         | 21.16         | 21.11 | 21.14 | 22.00               |
| 3GPP Rel 6      | HSPA Subtest-1          | 21.54         | 21.67 | 21.56 | 22.50               |
| 3GPP Rel 6      | HSPA Subtest-2          | 19.47         | 19.66 | 19.51 | 20.50               |
| 3GPP Rel 6      | HSPA Subtest-3          | 20.68         | 20.53 | 20.48 | 21.50               |
| 3GPP Rel 6      | HSPA Subtest-4          | 19.47         | 19.61 | 19.49 | 20.50               |
| 3GPP Rel 6      | HSPA Subtest-5          | 21.68         | 21.53 | 21.48 | 22.50               |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 19.28         | 19.13 | 19.08 | 20.00               |



| Band 17 Ant 1   |            |         |           |             |        |              |        |             |        |                     |          |
|-----------------|------------|---------|-----------|-------------|--------|--------------|--------|-------------|--------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low   |        | Power Middle |        | Power High  |        | Tune-up limit (dbm) | MPR (db) |
|                 |            |         |           | Ch. / Freq. | 2370.9 | Ch. / Freq.  | 2370.9 | Ch. / Freq. | 2380.9 |                     |          |
| Channel         |            |         |           | 709         |        | 710          |        | 711         |        |                     |          |
| Frequency (MHz) |            |         |           |             |        |              |        |             |        |                     |          |
| 10              | QPSK       | 1       | 0         | 21.81       | 21.82  | 21.74        |        |             |        | 23                  | 0        |
| 10              | QPSK       | 1       | 25        | 21.60       | 21.65  | 21.53        |        |             |        |                     |          |
| 10              | QPSK       | 1       | 49        | 21.59       | 21.73  | 21.73        |        |             |        |                     |          |
| 10              | QPSK       | 25      | 0         | 20.84       | 20.88  | 20.83        |        |             |        | 22                  | 1        |
| 10              | QPSK       | 25      | 12        | 20.82       | 20.80  | 20.78        |        |             |        |                     |          |
| 10              | QPSK       | 25      | 25        | 20.87       | 20.83  | 20.85        |        |             |        |                     |          |
| 10              | QPSK       | 50      | 0         | 20.70       | 20.81  | 20.76        |        |             |        | 22                  | 1        |
| 10              | 16QAM      | 1       | 0         | 20.69       | 20.77  | 20.87        |        |             |        |                     |          |
| 10              | 16QAM      | 1       | 25        | 20.86       | 20.74  | 20.76        |        |             |        |                     |          |
| 10              | 16QAM      | 1       | 49        | 20.77       | 20.76  | 20.75        |        |             |        | 21                  | 2        |
| 10              | 16QAM      | 25      | 0         | 19.82       | 19.95  | 19.96        |        |             |        |                     |          |
| 10              | 16QAM      | 25      | 25        | 19.82       | 19.82  | 19.78        |        |             |        |                     |          |
| 10              | 16QAM      | 50      | 0         | 19.79       | 19.77  | 19.97        |        |             |        | 21                  | 2        |
| 10              | 64QAM      | 1       | 0         | 19.92       | 19.80  | 19.81        |        |             |        |                     |          |
| 10              | 64QAM      | 1       | 25        | 19.95       | 19.76  | 19.86        |        |             |        |                     |          |
| 10              | 64QAM      | 1       | 49        | 19.77       | 19.88  | 19.89        |        |             |        | 20                  | 3        |
| 10              | 64QAM      | 25      | 0         | 18.75       | 18.83  | 18.80        |        |             |        |                     |          |
| 10              | 64QAM      | 25      | 12        | 18.82       | 18.85  | 18.90        |        |             |        |                     |          |
| 10              | 64QAM      | 25      | 25        | 18.93       | 18.80  | 18.95        |        |             |        | 18                  | 5        |
| 10              | 64QAM      | 50      | 0         | 18.80       | 18.94  | 18.88        |        |             |        |                     |          |
| 10              | 256QAM     | 1       | 0         | 16.71       | 16.83  | 16.87        |        |             |        |                     |          |
| 10              | 256QAM     | 1       | 25        | 16.81       | 17.01  | 16.97        |        |             |        | 18                  | 5        |
| 10              | 256QAM     | 1       | 49        | 17.01       | 16.79  | 17.07        |        |             |        |                     |          |
| 10              | 256QAM     | 25      | 0         | 16.71       | 17.06  | 16.79        |        |             |        |                     |          |
| 10              | 256QAM     | 25      | 12        | 16.80       | 16.84  | 16.74        |        |             |        | 18                  | 5        |
| 10              | 256QAM     | 25      | 25        | 16.78       | 16.94  | 16.96        |        |             |        |                     |          |
| 10              | 256QAM     | 50      | 0         | 17.02       | 16.78  | 17.06        |        |             |        |                     |          |
| Channel         |            |         |           | 2375.5      |        | 2379.0       |        | 2382.5      |        | Tune-up limit (dbm) | MPR (db) |
| Frequency (MHz) |            |         |           | 706.5       |        | 710          |        | 713.5       |        |                     |          |
| 5               | QPSK       | 1       | 0         | 21.78       | 21.79  | 21.74        |        |             |        | 23                  | 0        |
| 5               | QPSK       | 1       | 12        | 21.59       | 21.62  | 21.54        |        |             |        |                     |          |
| 5               | QPSK       | 1       | 24        | 21.58       | 21.74  | 21.75        |        |             |        |                     |          |
| 5               | QPSK       | 12      | 0         | 20.82       | 20.84  | 20.82        |        |             |        | 22                  | 1        |
| 5               | QPSK       | 12      | 7         | 20.81       | 20.79  | 20.78        |        |             |        |                     |          |
| 5               | QPSK       | 12      | 13        | 20.84       | 20.86  | 20.85        |        |             |        |                     |          |
| 5               | QPSK       | 25      | 0         | 20.71       | 20.76  | 20.77        |        |             |        | 22                  | 1        |
| 5               | 16QAM      | 1       | 0         | 20.71       | 20.79  | 20.88        |        |             |        |                     |          |
| 5               | 16QAM      | 1       | 12        | 20.82       | 20.79  | 20.76        |        |             |        |                     |          |
| 5               | 16QAM      | 1       | 24        | 20.77       | 20.75  | 20.71        |        |             |        | 21                  | 2        |
| 5               | 16QAM      | 12      | 0         | 19.85       | 19.95  | 19.94        |        |             |        |                     |          |
| 5               | 16QAM      | 12      | 7         | 19.91       | 19.93  | 19.96        |        |             |        |                     |          |
| 5               | 16QAM      | 12      | 13        | 19.82       | 19.85  | 19.77        |        |             |        | 20                  | 3        |
| 5               | 16QAM      | 25      | 0         | 19.79       | 19.81  | 19.93        |        |             |        |                     |          |
| 5               | 64QAM      | 1       | 0         | 19.91       | 19.74  | 19.79        |        |             |        |                     |          |
| 5               | 64QAM      | 1       | 12        | 19.91       | 19.80  | 19.85        |        |             |        | 21                  | 2        |
| 5               | 64QAM      | 1       | 24        | 19.75       | 19.88  | 19.87        |        |             |        |                     |          |
| 5               | 64QAM      | 12      | 0         | 18.78       | 18.85  | 18.80        |        |             |        |                     |          |
| 5               | 64QAM      | 12      | 7         | 18.81       | 18.87  | 18.89        |        |             |        | 20                  | 3        |
| 5               | 64QAM      | 12      | 13        | 18.92       | 18.92  | 18.97        |        |             |        |                     |          |
| 5               | 64QAM      | 25      | 0         | 18.80       | 18.94  | 18.91        |        |             |        |                     |          |
| 5               | 256QAM     | 1       | 0         | 16.70       | 16.86  | 16.89        |        |             |        | 18                  | 5        |
| 5               | 256QAM     | 1       | 12        | 16.81       | 17.00  | 16.99        |        |             |        |                     |          |
| 5               | 256QAM     | 1       | 24        | 16.97       | 16.75  | 17.07        |        |             |        |                     |          |
| 5               | 256QAM     | 12      | 0         | 16.72       | 17.05  | 16.82        |        |             |        | 18                  | 5        |
| 5               | 256QAM     | 12      | 7         | 16.78       | 16.81  | 16.71        |        |             |        |                     |          |
| 5               | 256QAM     | 12      | 13        | 16.81       | 16.98  | 16.93        |        |             |        |                     |          |
| 5               | 256QAM     | 25      | 0         | 17.02       | 16.75  | 17.06        |        |             |        |                     |          |

| Band 26 Ant 1   |            |         |           |             |        |              |        |             |        |                     |          |  |  |  |  |
|-----------------|------------|---------|-----------|-------------|--------|--------------|--------|-------------|--------|---------------------|----------|--|--|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low   |        | Power Middle |        | Power High  |        | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
|                 |            |         |           | Ch. / Freq. | 2476.2 | Ch. / Freq.  | 2485.2 | Ch. / Freq. | 2495.2 |                     |          |  |  |  |  |
| Channel         |            |         |           | 821.5       |        | 831.5        |        | 841.5       |        |                     |          |  |  |  |  |
| Frequency (MHz) |            |         |           |             |        |              |        |             |        |                     |          |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 21.57       | 21.65  | 21.57        |        |             |        |                     |          |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 21.80       | 21.58  | 21.58        |        |             |        | 23                  | 0        |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 21.60       | 21.59  | 21.58        |        |             |        |                     |          |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 20.61       | 20.63  | 20.59        |        |             |        |                     |          |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 20.80       | 20.61  | 20.59        |        |             |        | 22                  | 1        |  |  |  |  |
| 15              | QPSK       | 36      | 39        | 20.61       | 20.58  | 20.62        |        |             |        |                     |          |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 20.57       | 20.62  | 20.61        |        |             |        |                     |          |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 20.59       | 20.60  | 20.61        |        |             |        |                     |          |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 20.61       | 20.62  | 20.61        |        |             |        | 22                  | 1        |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 20.58       | 20.59  | 20.62        |        |             |        |                     |          |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 19.58       | 19.58  | 19.60        |        |             |        |                     |          |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 19.58       | 19.58  | 19.60        |        |             |        | 21                  | 2        |  |  |  |  |
| 15              | 16QAM      | 36      | 39        | 19.62       | 19.59  | 19.60        |        |             |        |                     |          |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 19.58       | 19.58  | 19.59        |        |             |        |                     |          |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 19.59       | 19.61  | 19.59        |        |             |        | 21                  | 2        |  |  |  |  |
| 15              | 64QAM      | 1       | 37        | 19.57       | 19.59  | 19.62        |        |             |        |                     |          |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 19.61       | 19.61  | 19.60        |        |             |        |                     |          |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 18.58       | 18.57  | 18.63        |        |             |        |                     |          |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 18.60       | 18.60  | 18.57        |        |             |        | 20                  | 3        |  |  |  |  |
| 15              | 64QAM      | 36      | 39        | 18.62       | 18.57  | 18.57        |        |             |        |                     |          |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 18.63       | 18.60  | 18.61        |        |             |        |                     |          |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 16.62       | 16.57  | 16.60        |        |             |        |                     |          |  |  |  |  |
| 15              | 256QAM     | 1       | 37        | 16.63       | 16.58  | 16.60        |        |             |        | 18                  | 5        |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 16.61       | 16.58  | 16.61        |        |             |        |                     |          |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 16.60       | 16.63  | 16.61        |        |             |        |                     |          |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 16.58       | 16.61  | 16.61        |        |             |        | 18                  | 5        |  |  |  |  |
| 15              | 256QAM     | 36      | 39        | 16.59       | 16.61  | 16.63        |        |             |        |                     |          |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 16.61       | 16.60  | 16.62        |        |             |        |                     |          |  |  |  |  |
| Channel         |            |         |           | 2674.0      |        | 2686.5       |        | 2699.0      |        | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Frequency (MHz) |            |         |           | 819         |        | 831.5        |        | 844         |        |                     |          |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 21.56       | 21.59  | 21.57        |        |             |        |                     |          |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 21.61       | 21.55  | 21.56        |        |             |        | 23                  | 0        |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 21.62       | 21.57  | 21.54        |        |             |        |                     |          |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 20.62       | 20.61  | 20.59        |        |             |        |                     |          |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 20.60       | 20.63  | 20.55        |        |             |        | 22                  | 1        |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 20.60       | 20.56  | 20.59        |        |             |        |                     |          |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 20.58       | 20.59  | 20.58        |        |             |        |                     |          |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 20.58       | 20.56  | 20.60        |        |             |        | 22                  | 1        |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 20.60       | 20.61  | 20.57        |        |             |        |                     |          |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 20.54       | 20.55  | 20.59        |        |             |        |                     |          |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 19.58       | 19.59  | 19.60        |        |             |        |                     |          |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 19.56       | 19.56  | 19.61        |        |             |        | 21                  | 2        |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 19.63       | 19.59  | 19.62        |        |             |        |                     |          |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 19.58       | 19.54  | 19.57        |        |             |        |                     |          |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 19.58       | 19.60  | 19.59        |        |             |        |                     |          |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 19.58       | 19.60  | 19.61        |        |             |        | 21                  | 2        |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 19.57       | 19.62  | 19.58        |        |             |        |                     |          |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 18.57       | 18.57  | 18.62        |        |             |        |                     |          |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 18.61       | 18.59  | 18.58        |        |             |        | 20                  | 3        |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 18.61       | 18.57  | 18.58        |        |             |        |                     |          |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 18.60       | 18.61  | 18.62        |        |             |        |                     |          |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 16.59       | 16.58  | 16.62        |        |             |        |                     |          |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 16.62       | 16.56  | 16.61        |        |             |        | 18                  | 5        |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 16.60       | 16.54  | 16.59        |        |             |        |                     |          |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 16.57       | 16.60  | 16.60        |        |             |        |                     |          |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 16.56       | 16.57  | 16.57        |        |             |        | 18                  | 5        |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 16.60       | 16.60  | 16.62        |        |             |        |                     |          |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 16.58       | 16.58  | 16.59        |        |             |        |                     |          |  |  |  |  |
| Channel         |            |         |           | 2671.5      |        | 2686.5       |        | 2701.5      |        | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Frequency (MHz) |            |         |           | 816.5       |        | 831.5        |        | 846.5       |        |                     |          |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 21.59       | 21.62  | 21.55        |        |             |        |                     |          |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 21.58       | 21.55  | 21.57        |        |             |        | 23                  | 0        |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 21.58       | 21.60  | 21.55        |        |             |        |                     |          |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 20.62       | 20.61  | 20.57        |        |             |        |                     |          |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 20.59       | 20.59  | 20.59        |        |             |        | 22                  | 1        |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 20.60       | 20.56  | 20.58        |        |             |        |                     |          |  |  |  |  |
| 5               | QPSK       | 25      |           |             |        |              |        |             |        |                     |          |  |  |  |  |







| Band 7 Ant 6    |            |         |           |                     |                        |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| 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         |            |         |           | 20650               | 21100                  | 21550                |                     |          |  |
| Frequency (MHz) |            |         |           | 2610                | 2635                   | 2660                 |                     |          |  |
| 20              | QPSK       | 1       | 0         | 22.27               | 22.56                  | 22.52                | 24                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 22.28               | 22.43                  | 22.42                |                     |          |  |
| 20              | QPSK       | 1       | 99        | 22.22               | 22.44                  | 22.30                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.43               | 21.45                  | 21.41                | 23                  | 1        |  |
| 20              | QPSK       | 50      | 24        | 21.19               | 21.40                  | 21.19                |                     |          |  |
| 20              | QPSK       | 50      | 50        | 21.18               | 21.38                  | 21.34                |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.22               | 21.33                  | 21.31                | 23                  | 1        |  |
| 20              | 16QAM      | 1       | 0         | 21.33               | 21.44                  | 21.35                |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 21.25               | 21.31                  | 21.26                |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 21.38               | 21.47                  | 21.25                | 22                  | 2        |  |
| 20              | 16QAM      | 50      | 0         | 20.29               | 20.18                  | 20.22                |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.31               | 20.39                  | 20.25                |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 20.37               | 20.42                  | 20.28                | 22                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 20.21               | 20.37                  | 20.17                |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.28               | 20.40                  | 20.26                |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.17               | 20.34                  | 20.38                | 22                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 20.16               | 20.32                  | 20.34                |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 19.35               | 19.53                  | 19.32                |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.44               | 19.32                  | 19.28                | 21                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 19.38               | 19.39                  | 19.38                |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.49               | 19.35                  | 19.33                |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 17.45               | 17.46                  | 17.32                | 19                  | 5        |  |
| 20              | 256QAM     | 1       | 49        | 17.49               | 17.48                  | 17.43                |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 17.38               | 17.39                  | 17.42                |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 17.48               | 17.32                  | 17.43                | 19                  | 5        |  |
| 20              | 256QAM     | 50      | 24        | 17.35               | 17.54                  | 17.52                |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 17.51               | 17.52                  | 17.42                |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 17.31               | 17.47                  | 17.41                |                     |          |  |
| Channel         |            |         |           | 20825               | 21100                  | 21375                |                     |          |  |
| Frequency (MHz) |            |         |           | 2507.5              | 2535                   | 2562.5               | Tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 0         | 22.21               | 22.43                  | 22.41                | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.20               | 22.31                  | 22.32                |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.14               | 22.35                  | 22.20                |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.32               | 21.32                  | 21.26                | 23                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 21.09               | 21.28                  | 21.11                |                     |          |  |
| 15              | QPSK       | 36      | 39        | 21.09               | 21.26                  | 21.27                |                     |          |  |
| 15              | QPSK       | 75      | 0         | 21.11               | 21.27                  | 21.22                | 23                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 21.23               | 21.35                  | 21.27                |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 21.19               | 21.21                  | 21.17                |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 21.25               | 21.35                  | 21.12                | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 0         | 20.19               | 20.09                  | 20.14                |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.20               | 20.31                  | 20.12                |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 20.25               | 20.30                  | 20.15                | 22                  | 2        |  |
| 15              | 16QAM      | 75      | 0         | 20.12               | 20.24                  | 20.10                |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.20               | 20.27                  | 20.14                |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 20.09               | 20.27                  | 20.31                | 22                  | 2        |  |
| 15              | 64QAM      | 1       | 74        | 20.08               | 20.21                  | 20.22                |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.23               | 19.41                  | 19.21                |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.34               | 19.21                  | 19.18                | 21                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 19.29               | 19.31                  | 19.30                |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.38               | 19.25                  | 19.29                |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 17.37               | 17.40                  | 17.23                | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 37        | 17.38               | 17.35                  | 17.29                |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 17.27               | 17.29                  | 17.33                |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.42               | 17.26                  | 17.33                | 19                  | 5        |  |
| 15              | 256QAM     | 36      | 20        | 17.26               | 17.41                  | 17.41                |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 17.44               | 17.41                  | 17.35                |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 17.21               | 17.38                  | 17.32                |                     |          |  |
| Channel         |            |         |           | 20800               | 21100                  | 21400                |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                | 2535                   | 2565                 | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 0         | 22.19               | 22.47                  | 22.44                | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.21               | 22.34                  | 22.33                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.15               | 22.32                  | 22.17                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.30               | 21.33                  | 21.30                | 23                  | 1        |  |
| 10              | QPSK       | 25      | 12        | 21.11               | 21.30                  | 21.12                |                     |          |  |
| 10              | QPSK       | 25      | 25        | 21.12               | 21.28                  | 21.28                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.15               | 21.27                  | 21.22                | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 0         | 21.21               | 21.38                  | 21.26                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.14               | 21.15                  | 21.11                |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 21.27               | 21.38                  | 21.13                | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 20.20               | 20.07                  | 20.09                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.20               | 20.26                  | 20.09                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.23               | 20.30                  | 20.18                | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.12               | 20.23                  | 20.07                |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.15               | 20.27                  | 20.15                |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.06               | 20.21                  | 20.31                | 22                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 20.08               | 20.25                  | 20.26                |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.24               | 19.43                  | 19.24                |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.31               | 19.22                  | 19.19                | 21                  | 3        |  |
| 10              | 64QAM      | 25      | 25        | 19.28               | 19.30                  | 19.30                |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.39               | 19.24                  | 19.28                |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 17.37               | 17.42                  | 17.26                | 19                  | 5        |  |
| 10              | 256QAM     | 1       | 25        | 17.38               | 17.34                  | 17.28                |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.27               | 17.28                  | 17.33                |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.43               | 17.26                  | 17.34                | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 17.26               | 17.45                  | 17.46                |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.41               | 17.40                  | 17.31                |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.21               | 17.37                  | 17.35                |                     |          |  |
| Channel         |            |         |           | 20775               | 21100                  | 21425                |                     |          |  |
| Frequency (MHz) |            |         |           | 2502.5              | 2535                   | 2567.5               | Tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 0         | 22.20               | 22.43                  | 22.42                | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.19               | 22.33                  | 22.28                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.11               | 22.31                  | 22.18                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.30               | 21.31                  | 21.27                | 23                  | 1        |  |
| 5               | QPSK       | 12      | 7         | 21.14               | 21.28                  | 21.13                |                     |          |  |
| 5               | QPSK       | 12      | 13        | 21.11               | 21.27                  | 21.24                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.11               | 21.22                  | 21.23                | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 0         | 21.21               | 21.34                  | 21.28                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.17               | 21.16                  | 21.12                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 21.28               | 21.35                  | 21.13                | 22                  | 2        |  |
| 5               | 16QAM      | 12      | 0         | 20.17               | 20.08                  | 20.12                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.20               | 20.26                  | 20.14                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.23               | 20.27                  | 20.19                | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.13               | 20.23                  | 20.10                |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.14               | 20.26                  | 20.11                |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.09               | 20.24                  | 20.30                | 22                  | 2        |  |
| 5               | 64QAM      | 1       | 24        | 20.05               | 20.23                  | 20.28                |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 19.22               | 19.40                  | 19.22                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.34               | 19.23                  | 19.21                | 21                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 19.30               | 19.29                  | 19.32                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.36               | 19.20                  | 19.24                |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.35               | 17.36                  | 17.23                | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 17.36               | 17.33                  | 17.32                |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.26               | 17.29                  | 17.33                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.40               | 17.24                  | 17.36                | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 17.27               | 17.44                  | 17.45                |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.41               | 17.44                  | 17.33                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.20               | 17.35                  | 17.35                |                     |          |  |



| Band 7 Ant 7    |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 20650                 | 21100                    | 21650                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 20.41                 | 20.49                    | 20.41                  | 22                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 20.21                 | 20.24                    | 20.16                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 20.25                 | 20.44                    | 20.39                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 19.27                 | 19.43                    | 19.35                  | 21                  | 1        |  |
| 20              | QPSK       | 50      | 24        | 19.37                 | 19.41                    | 19.40                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 19.33                 | 19.36                    | 19.26                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 19.24                 | 19.50                    | 19.39                  | 21                  | 1        |  |
| 20              | 16QAM      | 1       | 0         | 19.37                 | 19.40                    | 19.28                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 19.20                 | 19.35                    | 19.22                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 19.24                 | 19.30                    | 19.25                  | 20                  | 2        |  |
| 20              | 16QAM      | 50      | 0         | 18.18                 | 18.35                    | 18.32                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 18.31                 | 18.34                    | 18.18                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 18.26                 | 18.35                    | 18.28                  | 20                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 18.38                 | 18.31                    | 18.27                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 18.31                 | 18.17                    | 18.26                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 18.25                 | 18.23                    | 18.14                  | 19                  | 3        |  |
| 20              | 64QAM      | 1       | 99        | 18.30                 | 18.18                    | 18.20                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 17.26                 | 17.44                    | 17.40                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 17.43                 | 17.34                    | 17.28                  | 17                  | 5        |  |
| 20              | 64QAM      | 50      | 50        | 17.22                 | 17.44                    | 17.42                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 17.42                 | 17.22                    | 17.38                  |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 15.33                 | 15.27                    | 15.39                  | 17                  | 5        |  |
| 20              | 256QAM     | 1       | 49        | 15.39                 | 15.36                    | 15.30                  |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 15.31                 | 15.23                    | 15.46                  |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 15.35                 | 15.38                    | 15.38                  | 17                  | 5        |  |
| 20              | 256QAM     | 50      | 24        | 15.36                 | 15.22                    | 15.26                  |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 15.45                 | 15.28                    | 15.32                  |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 15.36                 | 15.37                    | 15.41                  |                     |          |  |
| Channel         |            |         |           | 20825                 | 21100                    | 21375                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 0         | 20.39                 | 20.46                    | 20.38                  | 22                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 20.18                 | 20.25                    | 20.22                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 20.30                 | 20.43                    | 20.37                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 19.25                 | 19.44                    | 19.30                  | 21                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 19.34                 | 19.38                    | 19.36                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 19.30                 | 19.39                    | 19.27                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 19.24                 | 19.51                    | 19.37                  | 21                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 19.40                 | 19.43                    | 19.24                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 19.20                 | 19.36                    | 19.22                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 19.23                 | 19.30                    | 19.23                  | 20                  | 2        |  |
| 15              | 16QAM      | 36      | 0         | 18.16                 | 18.31                    | 18.32                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 18.28                 | 18.38                    | 18.17                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 18.25                 | 18.31                    | 18.23                  | 19                  | 3        |  |
| 15              | 16QAM      | 75      | 0         | 18.35                 | 18.33                    | 18.29                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 18.28                 | 18.17                    | 18.27                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 18.25                 | 18.24                    | 18.13                  | 17                  | 5        |  |
| 15              | 64QAM      | 1       | 74        | 18.33                 | 18.20                    | 18.17                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 17.28                 | 17.44                    | 17.38                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 17.38                 | 17.32                    | 17.30                  | 17                  | 5        |  |
| 15              | 64QAM      | 36      | 39        | 17.24                 | 17.41                    | 17.38                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 17.44                 | 17.24                    | 17.34                  |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 15.35                 | 15.24                    | 15.36                  | 17                  | 5        |  |
| 15              | 256QAM     | 1       | 37        | 15.41                 | 15.37                    | 15.28                  |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 15.30                 | 15.24                    | 15.43                  |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 15.32                 | 15.39                    | 15.37                  | 17                  | 5        |  |
| 15              | 256QAM     | 36      | 20        | 15.34                 | 15.24                    | 15.29                  |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 15.46                 | 15.30                    | 15.35                  |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 15.39                 | 15.38                    | 15.42                  |                     |          |  |
| Channel         |            |         |           | 20800                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 0         | 20.39                 | 20.46                    | 20.35                  | 22                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 20.30                 | 20.25                    | 20.19                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 20.26                 | 20.40                    | 20.38                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 19.25                 | 19.40                    | 19.31                  | 21                  | 1        |  |
| 10              | QPSK       | 25      | 12        | 19.38                 | 19.36                    | 19.40                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 19.32                 | 19.37                    | 19.25                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 19.23                 | 19.51                    | 19.40                  | 21                  | 1        |  |
| 10              | 16QAM      | 1       | 0         | 19.41                 | 19.41                    | 19.29                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 19.24                 | 19.37                    | 19.21                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 19.25                 | 19.30                    | 19.24                  | 20                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 18.17                 | 18.28                    | 18.32                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 18.28                 | 18.37                    | 18.18                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 18.21                 | 18.34                    | 18.24                  | 19                  | 3        |  |
| 10              | 16QAM      | 50      | 0         | 18.34                 | 18.32                    | 18.27                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 18.30                 | 18.19                    | 18.23                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 18.21                 | 18.19                    | 18.10                  | 17                  | 5        |  |
| 10              | 64QAM      | 1       | 49        | 18.33                 | 18.19                    | 18.19                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 17.30                 | 17.43                    | 17.42                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 17.42                 | 17.31                    | 17.27                  | 17                  | 5        |  |
| 10              | 64QAM      | 25      | 25        | 17.22                 | 17.43                    | 17.43                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 17.44                 | 17.25                    | 17.37                  |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 15.36                 | 15.24                    | 15.40                  | 17                  | 5        |  |
| 10              | 256QAM     | 1       | 25        | 15.38                 | 15.36                    | 15.29                  |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 15.30                 | 15.24                    | 15.44                  |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 15.33                 | 15.37                    | 15.39                  | 17                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 15.38                 | 15.25                    | 15.30                  |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 15.43                 | 15.30                    | 15.31                  |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 15.41                 | 15.37                    | 15.43                  |                     |          |  |
| Channel         |            |         |           | 20775                 | 21100                    | 21425                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 0         | 20.38                 | 20.43                    | 20.37                  | 22                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 20.21                 | 20.24                    | 20.19                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 20.29                 | 20.42                    | 20.41                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 19.24                 | 19.44                    | 19.33                  | 21                  | 1        |  |
| 5               | QPSK       | 12      | 7         | 19.35                 | 19.38                    | 19.37                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 19.34                 | 19.40                    | 19.26                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 19.28                 | 19.50                    | 19.39                  | 21                  | 1        |  |
| 5               | 16QAM      | 1       | 0         | 19.40                 | 19.44                    | 19.24                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 19.23                 | 19.36                    | 19.20                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 19.25                 | 19.29                    | 19.24                  | 20                  | 2        |  |
| 5               | 16QAM      | 12      | 0         | 18.16                 | 18.34                    | 18.33                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 18.27                 | 18.35                    | 18.20                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 18.23                 | 18.31                    | 18.29                  | 19                  | 3        |  |
| 5               | 16QAM      | 25      | 0         | 18.37                 | 18.28                    | 18.24                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 18.28                 | 18.20                    | 18.21                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 18.22                 | 18.18                    | 18.11                  | 17                  | 5        |  |
| 5               | 64QAM      | 1       | 24        | 18.32                 | 18.19                    | 18.18                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 17.29                 | 17.41                    | 17.40                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 17.42                 | 17.31                    | 17.27                  | 17                  | 5        |  |
| 5               | 64QAM      | 12      | 13        | 17.18                 | 17.41                    | 17.38                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 17.43                 | 17.25                    | 17.35                  |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 15.35                 | 15.22                    | 15.37                  | 17                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 15.43                 | 15.33                    | 15.31                  |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 15.27                 | 15.26                    | 15.42                  |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 15.31                 | 15.38                    | 15.37                  | 17                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 15.33                 | 15.23                    | 15.30                  |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 15.42                 | 15.29                    | 15.35                  |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 15.37                 | 15.38                    | 15.43                  |                     |          |  |





| Band 43 Ant 8   |            |         |           |                          |                             |                           |                        |             |  |  |  |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|--|--|--|
| 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         |            |         |           | 44190                    | 44590                       | 44990                     |                        |             |  |  |  |  |
| Frequency (MHz) |            |         |           | 3610                     | 3650                        | 3690                      |                        |             |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 23.24                    | 23.45                       | 23.34                     | 24.5                   | 0           |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 23.05                    | 23.26                       | 23.21                     |                        |             |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 23.11                    | 23.26                       | 23.32                     |                        |             |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 22.26                    | 22.47                       | 22.36                     | 23.5                   | 1           |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 22.42                    | 22.32                       | 22.25                     |                        |             |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 22.39                    | 22.24                       | 22.42                     |                        |             |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 22.37                    | 22.51                       | 22.43                     | 23.5                   | 1           |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 22.47                    | 22.40                       | 22.24                     |                        |             |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 22.42                    | 22.32                       | 22.42                     |                        |             |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 22.34                    | 22.24                       | 22.23                     | 22.5                   | 2           |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 21.37                    | 21.27                       | 21.37                     |                        |             |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 21.32                    | 21.23                       | 21.45                     |                        |             |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 21.37                    | 21.27                       | 21.46                     | 21.5                   | 3           |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 21.37                    | 21.27                       | 21.40                     |                        |             |  |  |  |  |
| 20              | 64QAM      | 1       | 0         | 21.33                    | 21.39                       | 21.38                     |                        |             |  |  |  |  |
| 20              | 64QAM      | 1       | 49        | 21.48                    | 21.46                       | 21.37                     | 19.5                   | 5           |  |  |  |  |
| 20              | 64QAM      | 1       | 99        | 21.24                    | 21.34                       | 21.31                     |                        |             |  |  |  |  |
| 20              | 64QAM      | 50      | 0         | 20.34                    | 20.24                       | 20.40                     |                        |             |  |  |  |  |
| 20              | 64QAM      | 50      | 24        | 20.29                    | 20.25                       | 20.41                     | 19.5                   | 5           |  |  |  |  |
| 20              | 64QAM      | 50      | 50        | 20.26                    | 20.35                       | 20.22                     |                        |             |  |  |  |  |
| 20              | 64QAM      | 100     | 0         | 20.37                    | 20.30                       | 20.38                     |                        |             |  |  |  |  |
| 20              | 256QAM     | 1       | 0         | 18.11                    | 18.14                       | 18.26                     | 24.5                   | 0           |  |  |  |  |
| 20              | 256QAM     | 1       | 49        | 18.06                    | 18.34                       | 18.14                     |                        |             |  |  |  |  |
| 20              | 256QAM     | 1       | 99        | 18.15                    | 18.21                       | 18.13                     |                        |             |  |  |  |  |
| 20              | 256QAM     | 50      | 0         | 18.25                    | 18.10                       | 18.27                     | 23.5                   | 1           |  |  |  |  |
| 20              | 256QAM     | 50      | 24        | 18.03                    | 18.26                       | 18.16                     |                        |             |  |  |  |  |
| 20              | 256QAM     | 50      | 50        | 18.25                    | 18.21                       | 18.17                     |                        |             |  |  |  |  |
| 20              | 256QAM     | 100     | 0         | 18.11                    | 18.08                       | 18.13                     | 22.5                   | 2           |  |  |  |  |
| Channel         |            |         |           | 44190                    | 44590                       | 44990                     |                        |             |  |  |  |  |
| Frequency (MHz) |            |         |           | 3607.5                   | 3650                        | 3692.5                    |                        |             |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 23.12                    | 23.36                       | 23.29                     | 24.5                   | 0           |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 22.99                    | 23.20                       | 23.11                     |                        |             |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.97                    | 23.16                       | 23.18                     |                        |             |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 22.22                    | 22.43                       | 22.31                     | 23.5                   | 1           |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 22.33                    | 22.24                       | 22.11                     |                        |             |  |  |  |  |
| 15              | QPSK       | 36      | 39        | 22.30                    | 22.12                       | 22.30                     |                        |             |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 22.22                    | 22.36                       | 22.35                     | 23.5                   | 1           |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 22.41                    | 22.30                       | 22.18                     |                        |             |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 22.31                    | 22.25                       | 22.33                     |                        |             |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 22.20                    | 22.21                       | 22.09                     | 22.5                   | 2           |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 21.26                    | 21.13                       | 21.27                     |                        |             |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 21.21                    | 21.09                       | 21.33                     |                        |             |  |  |  |  |
| 15              | 16QAM      | 36      | 39        | 21.30                    | 21.13                       | 21.41                     | 22.5                   | 2           |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 21.28                    | 21.20                       | 21.28                     |                        |             |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 21.27                    | 21.34                       | 21.25                     |                        |             |  |  |  |  |
| 15              | 64QAM      | 1       | 37        | 21.37                    | 21.36                       | 21.31                     | 21.5                   | 3           |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 21.20                    | 21.27                       | 21.19                     |                        |             |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 20.21                    | 20.09                       | 20.37                     |                        |             |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 20.22                    | 20.13                       | 20.26                     | 19.5                   | 5           |  |  |  |  |
| 15              | 64QAM      | 36      | 39        | 20.22                    | 20.31                       | 20.10                     |                        |             |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 20.27                    | 20.18                       | 20.34                     |                        |             |  |  |  |  |
| 15              | 256QAM     | 1       | 0         | 18.04                    | 18.07                       | 18.15                     | 19.5                   | 5           |  |  |  |  |
| 15              | 256QAM     | 1       | 37        | 18.00                    | 18.31                       | 18.05                     |                        |             |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 18.04                    | 18.11                       | 18.07                     |                        |             |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 18.12                    | 18.00                       | 18.23                     | 19.5                   | 5           |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 17.91                    | 18.21                       | 18.13                     |                        |             |  |  |  |  |
| 15              | 256QAM     | 36      | 39        | 18.11                    | 18.16                       | 18.08                     |                        |             |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 18.03                    | 17.95                       | 18.03                     | 24.5                   | 0           |  |  |  |  |
| Channel         |            |         |           | 44140                    | 44590                       | 45040                     |                        |             |  |  |  |  |
| Frequency (MHz) |            |         |           | 3605                     | 3650                        | 3695                      |                        |             |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 23.16                    | 23.37                       | 23.20                     | 24.5                   | 0           |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 22.91                    | 23.12                       | 23.10                     |                        |             |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.96                    | 23.14                       | 23.22                     |                        |             |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 22.18                    | 22.39                       | 22.30                     | 23.5                   | 1           |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 22.27                    | 22.28                       | 22.15                     |                        |             |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 22.25                    | 22.16                       | 22.31                     |                        |             |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 22.31                    | 22.47                       | 22.40                     | 23.5                   | 1           |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 22.40                    | 22.33                       | 22.11                     |                        |             |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 22.31                    | 22.17                       | 22.29                     |                        |             |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 22.31                    | 22.17                       | 22.19                     | 22.5                   | 2           |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 21.24                    | 21.22                       | 21.30                     |                        |             |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 21.25                    | 21.15                       | 21.41                     |                        |             |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 21.31                    | 21.15                       | 21.36                     | 22.5                   | 2           |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 21.31                    | 21.15                       | 21.33                     |                        |             |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 21.28                    | 21.25                       | 21.30                     |                        |             |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 21.42                    | 21.40                       | 21.23                     | 21.5                   | 3           |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 21.16                    | 21.20                       | 21.16                     |                        |             |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 20.28                    | 20.18                       | 20.32                     |                        |             |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 20.22                    | 20.14                       | 20.33                     | 19.5                   | 5           |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 20.13                    | 20.29                       | 20.15                     |                        |             |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 20.27                    | 20.26                       | 20.34                     |                        |             |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 18.04                    | 18.07                       | 18.23                     | 19.5                   | 5           |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 18.00                    | 18.22                       | 18.10                     |                        |             |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 18.04                    | 18.15                       | 17.98                     |                        |             |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 18.15                    | 17.96                       | 18.22                     | 19.5                   | 5           |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 17.98                    | 18.23                       | 18.06                     |                        |             |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 18.21                    | 18.09                       | 18.06                     |                        |             |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 18.07                    | 18.02                       | 18.10                     | 24.5                   | 0           |  |  |  |  |
| Channel         |            |         |           | 44115                    | 44590                       | 45095                     |                        |             |  |  |  |  |
| Frequency (MHz) |            |         |           | 3602.5                   | 3650                        | 3697.5                    |                        |             |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 23.13                    | 23.41                       | 23.20                     | 24.5                   | 0           |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.96                    | 23.17                       | 23.17                     |                        |             |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.99                    | 23.16                       | 23.26                     |                        |             |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 22.19                    | 22.36                       | 22.32                     | 23.5                   | 1           |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 22.36                    | 22.18                       | 22.17                     |                        |             |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 22.32                    | 22.19                       | 22.36                     |                        |             |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 22.24                    | 22.38                       | 22.29                     | 23.5                   | 1           |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 22.42                    | 22.37                       | 22.11                     |                        |             |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 22.30                    | 22.27                       | 22.37                     |                        |             |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 22.29                    | 22.12                       | 22.15                     | 22.5                   | 2           |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 21.28                    | 21.22                       | 21.30                     |                        |             |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 21.20                    | 21.13                       | 21.40                     |                        |             |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 21.24                    | 21.17                       | 21.33                     | 22.5                   | 2           |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 21.27                    | 21.15                       | 21.35                     |                        |             |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 21.20                    | 21.35                       | 21.34                     |                        |             |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 21.44                    | 21.36                       | 21.25                     | 21.5                   | 3           |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 21.10                    | 21.27                       | 21.19                     |                        |             |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 20.26                    | 20.10                       | 20.35                     |                        |             |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 20.16                    | 20.20                       | 20.32                     | 19.5                   | 5           |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 20.17                    | 20.25                       | 20.08                     |                        |             |  |  |  |  |
| 5               | 64QAM      |         |           |                          |                             |                           |                        |             |  |  |  |  |

## Reduced Power Mode for DS11

| GSM850 Ant 0    |  | Burst Average Power (dBm) |       |       | Tune-up |  | Frame Average Power (dBm) |       |       | Tune-up |  |
|-----------------|--|---------------------------|-------|-------|---------|--|---------------------------|-------|-------|---------|--|
| TX Channel      |  | 128                       | 188   | 251   | Limit   |  | 128                       | 188   | 251   | Limit   |  |
| Frequency (MHz) |  | 824.2                     | 836.4 | 848.8 | (dBm)   |  | 824.2                     | 836.4 | 848.8 | (dBm)   |  |
| GSM 1 Tx slot   |  | 31.26                     | 31.56 | 31.54 | 32.50   |  | 22.26                     | 22.56 | 22.54 | 23.50   |  |
| GPRS 1 Tx slot  |  | 31.19                     | 31.64 | 31.62 | 32.50   |  | 22.19                     | 22.64 | 22.62 | 23.50   |  |
| GPRS 2 Tx slots |  | 28.02                     | 28.16 | 28.32 | 28.00   |  | 22.02                     | 22.16 | 22.32 | 23.00   |  |
| GPRS 3 Tx slots |  | 26.62                     | 26.42 | 26.46 | 27.50   |  | 22.36                     | 22.16 | 22.20 | 23.24   |  |
| GPRS 4 Tx slots |  | 25.03                     | 25.19 | 25.36 | 26.00   |  | 22.03                     | 22.19 | 22.36 | 23.00   |  |
| EDGE 1 Tx slot  |  | 25.38                     | 25.51 | 25.32 | 26.00   |  | 16.38                     | 16.31 | 16.32 | 17.00   |  |
| EDGE 2 Tx slots |  | 22.78                     | 22.72 | 22.73 | 23.50   |  | 16.78                     | 16.72 | 16.73 | 17.50   |  |
| EDGE 3 Tx slots |  | 20.76                     | 20.77 | 20.83 | 22.00   |  | 16.49                     | 16.51 | 16.67 | 17.74   |  |
| EDGE 4 Tx slots |  | 19.09                     | 18.93 | 18.16 | 20.00   |  | 16.09                     | 15.93 | 16.16 | 17.00   |  |

| GSM1900 Ant 0   |  | Burst Average Power (dBm) |       |        | Tune-up |  | Frame Average Power (dBm) |       |        | Tune-up |  |
|-----------------|--|---------------------------|-------|--------|---------|--|---------------------------|-------|--------|---------|--|
| TX Channel      |  | 512                       | 681   | 810    | Limit   |  | 512                       | 681   | 810    | Limit   |  |
| Frequency (MHz) |  | 1852.2                    | 1860  | 1869.8 | (dBm)   |  | 1852.2                    | 1860  | 1869.8 | (dBm)   |  |
| GSM 1 Tx slot   |  | 29.11                     | 29.28 | 29.16  | 30.50   |  | 20.11                     | 20.26 | 20.16  | 21.50   |  |
| GPRS 1 Tx slot  |  | 28.88                     | 29.28 | 29.27  | 30.50   |  | 19.88                     | 20.28 | 20.27  | 21.50   |  |
| GPRS 2 Tx slots |  | 26.31                     | 26.61 | 26.61  | 27.50   |  | 20.31                     | 20.61 | 20.61  | 21.50   |  |
| GPRS 3 Tx slots |  | 24.42                     | 24.54 | 24.50  | 26.00   |  | 20.16                     | 20.28 | 20.24  | 21.74   |  |
| GPRS 4 Tx slots |  | 22.27                     | 22.37 | 22.48  | 23.50   |  | 19.27                     | 19.37 | 19.48  | 20.50   |  |
| EDGE 1 Tx slot  |  | 24.91                     | 25.07 | 25.02  | 26.50   |  | 16.91                     | 16.07 | 16.02  | 17.50   |  |
| EDGE 2 Tx slots |  | 22.47                     | 22.67 | 22.53  | 24.00   |  | 16.47                     | 16.67 | 16.53  | 18.00   |  |
| EDGE 3 Tx slots |  | 20.34                     | 20.71 | 20.71  | 22.00   |  | 16.08                     | 16.45 | 16.45  | 17.74   |  |
| EDGE 4 Tx slots |  | 18.68                     | 18.07 | 18.93  | 20.50   |  | 15.66                     | 16.07 | 15.93  | 17.50   |  |

| Band            |  | WCDMA S Ant 0 |       |        | Tune-up |  | WCDMA N Ant 0 |        |        | Tune-up |  | WCDMA V Ant 0 |       |       | Tune-up |  |
|-----------------|--|---------------|-------|--------|---------|--|---------------|--------|--------|---------|--|---------------|-------|-------|---------|--|
| TX Channel      |  | 9262          | 9400  | 9538   | Limit   |  | 1312          | 1413   | 1513   | Limit   |  | 4132          | 4182  | 4233  | Limit   |  |
| Rx Channel      |  | 9662          | 9800  | 9938   | (dBm)   |  | 1537          | 1638   | 1738   | (dBm)   |  | 4367          | 4407  | 4458  | (dBm)   |  |
| Frequency (MHz) |  | 1852.4        | 1860  | 1869.8 | (dBm)   |  | 1412.4        | 1422.8 | 1432.8 | (dBm)   |  | 824.4         | 836.4 | 848.8 | (dBm)   |  |
| 3GPP Rel 99     |  | 22.60         | 22.89 | 22.77  | 24.00   |  | 22.63         | 22.66  | 22.40  | 24.00   |  | 22.94         | 22.98 | 22.97 | 24.00   |  |
| 3GPP Rel 99     |  | 22.80         | 23.00 | 22.83  | 24.00   |  | 22.65         | 22.76  | 22.60  | 24.00   |  | 23.05         | 23.09 | 23.00 | 24.00   |  |
| 3GPP Rel 6      |  | 21.72         | 22.10 | 21.87  | 23.00   |  | 21.76         | 21.85  | 21.69  | 23.00   |  | 22.04         | 22.11 | 21.85 | 23.00   |  |
| 3GPP Rel 6      |  | 21.81         | 21.98 | 21.89  | 23.00   |  | 21.58         | 21.81  | 21.48  | 23.00   |  | 22.15         | 21.99 | 22.03 | 23.00   |  |
| 3GPP Rel 6      |  | 21.41         | 21.62 | 21.41  | 22.50   |  | 20.98         | 21.27  | 20.93  | 22.50   |  | 21.49         | 21.48 | 21.42 | 22.50   |  |
| 3GPP Rel 6      |  | 21.29         | 21.49 | 21.21  | 22.50   |  | 21.19         | 21.20  | 20.94  | 22.50   |  | 21.59         | 21.46 | 21.65 | 22.50   |  |
| 3GPP Rel 6      |  | 21.66         | 21.85 | 21.81  | 23.00   |  | 21.43         | 21.66  | 21.29  | 23.00   |  | 22.05         | 22.12 | 21.94 | 23.00   |  |
| 3GPP Rel 6      |  | 20.75         | 20.92 | 20.73  | 21.00   |  | 19.66         | 19.79  | 19.47  | 21.00   |  | 19.96         | 19.96 | 20.03 | 21.00   |  |
| 3GPP Rel 6      |  | 20.62         | 21.03 | 20.96  | 22.00   |  | 20.59         | 20.66  | 20.38  | 22.00   |  | 20.90         | 21.22 | 20.89 | 22.00   |  |
| 3GPP Rel 6      |  | 19.71         | 19.95 | 19.94  | 21.00   |  | 19.66         | 19.86  | 19.55  | 21.00   |  | 20.13         | 20.07 | 19.85 | 21.00   |  |
| 3GPP Rel 6      |  | 21.69         | 22.01 | 21.88  | 23.00   |  | 21.36         | 21.74  | 21.34  | 23.00   |  | 21.89         | 21.92 | 22.13 | 23.00   |  |
| 3GPP Rel 7      |  | 19.38         | 19.71 | 19.58  | 20.50   |  | 19.06         | 19.44  | 19.04  | 20.50   |  | 19.59         | 19.62 | 19.83 | 20.50   |  |





| Band 26 Ant 0   |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|-------------------|----------|--|--|--|--|--|--|
| BN [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up Int. (dB) | APR (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.60               | 22.66               | 22.61                | 24                | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 22.59               | 22.61               | 22.62                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.60               | 22.59               | 22.63                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.63               | 21.68               | 21.64                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.62               | 21.64               | 21.64                | 23                | 1        |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 21.63               | 21.65               | 21.64                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.66               | 21.67               | 21.62                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.61               | 21.62               | 21.65                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 21.61               | 21.61               | 21.65                | 23                | 1        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.66               | 21.65               | 21.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 20.63               | 20.62               | 20.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 20.63               | 20.59               | 20.59                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 20.64               | 20.69               | 20.63                | 22                | 2        |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.61               | 20.64               | 20.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 20.65               | 20.64               | 20.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 20.63               | 20.65               | 20.64                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 20.65               | 20.64               | 20.62                | 22                | 2        |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 19.60               | 19.62               | 19.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 19.65               | 19.61               | 19.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 19.63               | 19.64               | 19.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 19.64               | 19.60               | 19.61                | 21                | 3        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 19.61               | 19.66               | 19.64                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 19.60               | 19.61               | 19.62                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 18.65               | 18.65               | 18.60                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 18.62               | 18.65               | 18.64                | 19                | 5        |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 18.62               | 18.65               | 18.62                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 36        | 18.62               | 18.65               | 18.65                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 18.65               | 18.62               | 18.65                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.47               | 22.52               | 22.52                | 24                | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 37        | 22.49               | 22.54               | 22.52                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.47               | 22.47               | 22.56                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.53               | 21.50               | 21.52                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.50               | 21.52               | 21.53                | 23                | 1        |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.51               | 21.55               | 21.57                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.56               | 21.54               | 21.56                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.52               | 21.53               | 21.58                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.52               | 21.49               | 21.56                | 23                | 1        |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.54               | 21.56               | 21.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 20.52               | 20.51               | 20.49                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.52               | 20.51               | 20.55                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.52               | 20.55               | 20.54                | 22                | 2        |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.48               | 20.52               | 20.51                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 20.53               | 20.51               | 20.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 20.55               | 20.56               | 20.52                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 20.53               | 20.54               | 20.53                | 21                | 3        |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 19.49               | 19.55               | 19.51                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 19.48               | 19.54               | 19.51                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 19.51               | 19.52               | 19.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 19.52               | 19.51               | 19.54                | 19                | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 18.54               | 18.54               | 18.53                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 18.48               | 18.52               | 18.51                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 18.57               | 18.56               | 18.50                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 18.51               | 18.57               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 18.55               | 18.58               | 18.50                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 18.49               | 18.54               | 18.55                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 18.53               | 18.52               | 18.58                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.50               | 22.52               | 22.54                | 24                | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.48               | 22.52               | 22.57                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.50               | 22.48               | 22.53                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.52               | 21.53               | 21.57                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.51               | 21.52               | 21.53                | 23                | 1        |  |  |  |  |  |  |
| 5               | QPSK       | 36      | 0         | 21.52               | 21.53               | 21.56                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.52               | 21.51               | 21.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.52               | 21.51               | 21.56                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.46               | 21.58               | 21.54                | 23                | 1        |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.52               | 20.51               | 20.54                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.54               | 20.50               | 20.53                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 18        | 20.46               | 20.53               | 20.55                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.54               | 20.57               | 20.51                | 22                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 20.58               | 20.54               | 20.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 20.51               | 20.54               | 20.53                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 20.57               | 20.55               | 20.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 19.49               | 19.50               | 19.54                | 21                | 3        |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 19.55               | 19.51               | 19.54                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 19.52               | 19.56               | 19.49                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 19.51               | 19.52               | 19.49                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 18.48               | 18.53               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 18.51               | 18.49               | 18.55                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 18.52               | 18.55               | 18.51                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 18.54               | 18.58               | 18.54                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 18.52               | 18.58               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 18.51               | 18.54               | 18.55                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 18.54               | 18.51               | 18.53                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 18.54               | 18.51               | 18.53                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.48               | 22.53               | 22.53                | 24                | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.51               | 22.51               | 22.53                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 14        | 22.52               | 22.47               | 22.54                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.51               | 21.54               | 21.52                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.52               | 21.56               | 21.54                | 23                | 1        |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.51               | 21.57               | 21.54                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.58               | 21.58               | 21.54                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.48               | 21.52               | 21.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.48               | 21.48               | 21.58                | 23                | 1        |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.59               | 21.57               | 21.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 20.54               | 20.50               | 20.50                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 20.56               | 20.49               | 20.56                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 20.55               | 20.57               | 20.50                | 22                | 2        |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 20.52               | 20.54               | 20.48                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 20.55               | 20.52               | 20.50                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 20.51               | 20.55               | 20.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 20.58               | 20.54               | 20.52                | 21                | 3        |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 19.52               | 19.52               | 19.54                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 19.57               | 19.52               | 19.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 19.56               | 19.52               | 19.53                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 19.51               | 19.49               | 19.53                | 19                | 5        |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 18.53               | 18.58               | 18.51                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 8         | 18.51               | 18.52               | 18.51                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 18.52               | 18.55               | 18.46                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 0         | 18.54               | 18.58               | 18.52                | 19                | 5        |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 4         | 18.51               | 18.53               | 18.52                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 7         | 18.49               | 18.55               | 18.51                |                   |          |  |  |  |  |  |  |

| GSM850 Ant 1    |  | Burst Average Power (dbm) |       |       | Turn-up Limit (dbm) | Frame-Average Power (dbm) |       |       | Turn-up Limit (dbm) |
|-----------------|--|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| TX Channel      |  | 126                       | 189   | 251   |                     | 191                       | 189   | 231   |                     |
| Frequency (MHz) |  | 834.2                     | 836.4 | 848.8 |                     | 834.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   |  | 33.49                     | 33.76 | 33.76 | 35.00               | 24.49                     | 24.76 | 24.76 | 26.00               |
| GPRS 1 Tx slot  |  | 33.42                     | 33.65 | 33.62 | 35.00               | 24.42                     | 24.65 | 24.62 | 26.00               |
| GPRS 2 Tx slots |  | 30.44                     | 30.69 | 30.46 | 32.00               | 24.44                     | 24.69 | 24.46 | 26.00               |
| GPRS 3 Tx slots |  | 26.51                     | 26.75 | 26.73 | 30.00               | 24.25                     | 24.49 | 24.47 | 25.74               |
| GPRS 4 Tx slots |  | 27.48                     | 27.48 | 27.76 | 28.50               | 24.48                     | 24.48 | 24.76 | 25.50               |
| EDGE 1 Tx slot  |  | 27.76                     | 27.60 | 27.59 | 28.50               | 18.76                     | 18.60 | 18.59 | 19.50               |
| EDGE 2 Tx slots |  | 23.02                     | 24.36 | 25.16 | 26.00               | 18.02                     | 18.96 | 18.16 | 20.00               |
| EDGE 3 Tx slots |  | 22.97                     | 22.69 | 23.31 | 24.00               | 18.71                     | 18.63 | 19.05 | 19.74               |
| EDGE 4 Tx slots |  | 21.34                     | 21.33 | 21.55 | 22.50               | 18.34                     | 18.33 | 18.55 | 19.50               |

| Band            |                         | WCDMA V Ant 1 |       |       | Turn-up Limit (dbm) |
|-----------------|-------------------------|---------------|-------|-------|---------------------|
| TX Channel      |                         | 4192          | 4182  | 4233  |                     |
| Rx Channel      |                         | 4357          | 4407  | 4458  |                     |
| Frequency (MHz) |                         | 826.4         | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps            | 22.55         | 22.54 | 22.53 | 24.00               |
| 3GPP Rel 99     | AMR 12.2Kbps            | 22.58         | 22.55 | 22.57 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-1         | 21.89         | 21.63 | 21.64 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-2         | 21.66         | 21.58 | 21.61 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-3         | 21.16         | 21.08 | 21.09 | 22.00               |
| 3GPP Rel 6      | HSDPA Subtest-4         | 21.16         | 21.11 | 21.14 | 22.00               |
| 3GPP Rel 6      | HSPA Subtest-1          | 21.54         | 21.67 | 21.56 | 22.50               |
| 3GPP Rel 6      | HSPA Subtest-2          | 19.47         | 19.66 | 19.51 | 20.50               |
| 3GPP Rel 6      | HSPA Subtest-3          | 20.68         | 20.53 | 20.48 | 21.50               |
| 3GPP Rel 6      | HSPA Subtest-4          | 19.47         | 19.61 | 19.49 | 20.50               |
| 3GPP Rel 6      | HSPA Subtest-5          | 21.68         | 21.53 | 21.48 | 22.50               |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 19.28         | 19.13 | 19.08 | 20.00               |





| Band 38 Ant 1   |            |         |           |                       |                          |                        |                                                                                      |                                            |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------------------------------------------------------------------------------------|--------------------------------------------|--|
| 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         |            |         |           | 37650                 | 38000                    | 38150                  | 19                                                                                   | 0                                          |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                                                                                      |                                            |  |
| 20              | QPSK       | 1       | 0         | 17.30                 | 17.43                    | 17.36                  | 19                                                                                   | 0                                          |  |
| 20              | QPSK       | 1       | 49        | 17.33                 | 17.35                    | 17.22                  |                                                                                      |                                            |  |
| 20              | QPSK       | 1       | 99        | 17.33                 | 17.35                    | 17.33                  | 19                                                                                   | 0                                          |  |
| 20              | QPSK       | 50      | 0         | 17.26                 | 17.39                    | 17.35                  |                                                                                      |                                            |  |
| 20              | QPSK       | 50      | 24        | 17.23                 | 17.33                    | 17.17                  | 19                                                                                   | 0                                          |  |
| 20              | QPSK       | 50      | 50        | 17.17                 | 17.24                    | 17.30                  |                                                                                      |                                            |  |
| 20              | QPSK       | 100     | 0         | 17.31                 | 17.35                    | 17.25                  | 19                                                                                   | 0                                          |  |
| 20              | 16QAM      | 1       | 0         | 17.27                 | 17.40                    | 17.33                  |                                                                                      |                                            |  |
| 20              | 16QAM      | 1       | 49        | 17.24                 | 17.34                    | 17.27                  | 19                                                                                   | 0                                          |  |
| 20              | 16QAM      | 1       | 99        | 17.19                 | 17.30                    | 17.23                  |                                                                                      |                                            |  |
| 20              | 16QAM      | 50      | 0         | 17.16                 | 17.35                    | 17.17                  | 19                                                                                   | 0                                          |  |
| 20              | 16QAM      | 50      | 24        | 17.25                 | 17.28                    | 17.00                  |                                                                                      |                                            |  |
| 20              | 16QAM      | 50      | 50        | 17.17                 | 17.20                    | 17.26                  | 19                                                                                   | 0                                          |  |
| 20              | 16QAM      | 100     | 0         | 17.13                 | 17.27                    | 17.14                  |                                                                                      |                                            |  |
| 20              | 64QAM      | 1       | 0         | 17.19                 | 17.37                    | 17.24                  | 19                                                                                   | 0                                          |  |
| 20              | 64QAM      | 1       | 49        | 17.14                 | 17.27                    | 17.12                  |                                                                                      |                                            |  |
| 20              | 64QAM      | 1       | 99        | 17.32                 | 17.39                    | 17.20                  | 19                                                                                   | 0                                          |  |
| 20              | 64QAM      | 50      | 0         | 17.18                 | 17.29                    | 17.23                  |                                                                                      |                                            |  |
| 20              | 64QAM      | 50      | 24        | 17.18                 | 17.24                    | 17.08                  | 19                                                                                   | 0                                          |  |
| 20              | 64QAM      | 50      | 50        | 17.13                 | 17.22                    | 17.25                  |                                                                                      |                                            |  |
| 20              | 64QAM      | 100     | 0         | 17.10                 | 17.31                    | 17.21                  | 19                                                                                   | 0                                          |  |
| 20              | 256QAM     | 1       | 0         | 17.20                 | 17.35                    | 17.13                  |                                                                                      |                                            |  |
| 20              | 256QAM     | 1       | 49        | 17.10                 | 17.26                    | 17.07                  | 19                                                                                   | 0                                          |  |
| 20              | 256QAM     | 1       | 99        | 17.22                 | 17.30                    | 17.22                  |                                                                                      |                                            |  |
| 20              | 256QAM     | 50      | 0         | 17.17                 | 17.28                    | 17.21                  | 19                                                                                   | 0                                          |  |
| 20              | 256QAM     | 50      | 24        | 17.08                 | 17.19                    | 17.00                  |                                                                                      |                                            |  |
| 20              | 256QAM     | 50      | 50        | 17.14                 | 17.16                    | 17.21                  | 19                                                                                   | 0                                          |  |
| 20              | 256QAM     | 100     | 0         | 17.17                 | 17.18                    | 17.11                  |                                                                                      |                                            |  |
| Channel         |            |         |           | 37625                 | 38000                    | 38175                  | 19 <th data-kind="parent" data-rs="2">0<th data-kind="parent" data-rs="2"></th></th> | 0 <th data-kind="parent" data-rs="2"></th> |  |
| Frequency (MHz) |            |         |           | 25775                 | 2595                     | 2612.5                 |                                                                                      |                                            |  |
| 15              | QPSK       | 1       | 0         | 17.27                 | 17.37                    | 17.26                  | 19                                                                                   | 0                                          |  |
| 15              | QPSK       | 1       | 37        | 17.24                 | 17.29                    | 17.17                  |                                                                                      |                                            |  |
| 15              | QPSK       | 1       | 74        | 17.30                 | 17.30                    | 17.25                  | 19                                                                                   | 0                                          |  |
| 15              | QPSK       | 36      | 0         | 17.22                 | 17.36                    | 17.34                  |                                                                                      |                                            |  |
| 15              | QPSK       | 36      | 20        | 17.14                 | 17.32                    | 17.09                  | 19                                                                                   | 0                                          |  |
| 15              | QPSK       | 36      | 39        | 17.07                 | 17.20                    | 17.29                  |                                                                                      |                                            |  |
| 15              | QPSK       | 75      | 0         | 17.32                 | 17.27                    | 17.20                  | 19                                                                                   | 0                                          |  |
| 15              | 16QAM      | 1       | 0         | 17.23                 | 17.30                    | 17.22                  |                                                                                      |                                            |  |
| 15              | 16QAM      | 1       | 37        | 17.21                 | 17.24                    | 17.18                  | 19                                                                                   | 0                                          |  |
| 15              | 16QAM      | 1       | 74        | 17.19                 | 17.28                    | 17.15                  |                                                                                      |                                            |  |
| 15              | 16QAM      | 36      | 0         | 17.07                 | 17.26                    | 17.06                  | 19                                                                                   | 0                                          |  |
| 15              | 16QAM      | 36      | 20        | 17.24                 | 17.21                    | 17.00                  |                                                                                      |                                            |  |
| 15              | 16QAM      | 36      | 39        | 17.14                 | 17.19                    | 17.20                  | 19                                                                                   | 0                                          |  |
| 15              | 16QAM      | 75      | 0         | 17.05                 | 17.27                    | 17.08                  |                                                                                      |                                            |  |
| 15              | 64QAM      | 1       | 0         | 17.14                 | 17.32                    | 17.22                  | 19                                                                                   | 0                                          |  |
| 15              | 64QAM      | 1       | 37        | 17.15                 | 17.21                    | 17.06                  |                                                                                      |                                            |  |
| 15              | 64QAM      | 1       | 74        | 17.30                 | 17.40                    | 17.20                  | 19                                                                                   | 0                                          |  |
| 15              | 64QAM      | 36      | 0         | 17.07                 | 17.20                    | 17.14                  |                                                                                      |                                            |  |
| 15              | 64QAM      | 36      | 20        | 17.08                 | 17.13                    | 17.07                  | 19                                                                                   | 0                                          |  |
| 15              | 64QAM      | 36      | 39        | 17.04                 | 17.16                    | 17.17                  |                                                                                      |                                            |  |
| 15              | 64QAM      | 75      | 0         | 17.10                 | 17.31                    | 17.13                  | 19                                                                                   | 0                                          |  |
| 15              | 256QAM     | 1       | 0         | 17.16                 | 17.25                    | 17.06                  |                                                                                      |                                            |  |
| 15              | 256QAM     | 1       | 37        | 17.02                 | 17.16                    | 17.09                  | 19                                                                                   | 0                                          |  |
| 15              | 256QAM     | 1       | 74        | 17.21                 | 17.28                    | 17.14                  |                                                                                      |                                            |  |
| 15              | 256QAM     | 36      | 0         | 17.11                 | 17.18                    | 17.18                  | 19                                                                                   | 0                                          |  |
| 15              | 256QAM     | 36      | 20        | 17.02                 | 17.11                    | 17.10                  |                                                                                      |                                            |  |
| 15              | 256QAM     | 36      | 39        | 17.05                 | 17.12                    | 17.16                  | 19                                                                                   | 0                                          |  |
| 15              | 256QAM     | 75      | 0         | 17.15                 | 17.12                    | 17.07                  |                                                                                      |                                            |  |
| Channel         |            |         |           | 37900                 | 38000                    | 38200                  | 19 <th data-kind="parent" data-rs="2">0<th data-kind="parent" data-rs="2"></th></th> | 0 <th data-kind="parent" data-rs="2"></th> |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                                                                                      |                                            |  |
| 10              | QPSK       | 1       | 0         | 17.24                 | 17.33                    | 17.30                  | 19                                                                                   | 0                                          |  |
| 10              | QPSK       | 1       | 25        | 17.28                 | 17.28                    | 17.21                  |                                                                                      |                                            |  |
| 10              | QPSK       | 1       | 49        | 17.30                 | 17.31                    | 17.31                  | 19                                                                                   | 0                                          |  |
| 10              | QPSK       | 25      | 0         | 17.26                 | 17.32                    | 17.24                  |                                                                                      |                                            |  |
| 10              | QPSK       | 25      | 12        | 17.21                 | 17.25                    | 17.11                  | 19                                                                                   | 0                                          |  |
| 10              | QPSK       | 25      | 25        | 17.10                 | 17.17                    | 17.23                  |                                                                                      |                                            |  |
| 10              | QPSK       | 50      | 0         | 17.24                 | 17.34                    | 17.21                  | 19                                                                                   | 0                                          |  |
| 10              | 16QAM      | 1       | 0         | 17.23                 | 17.37                    | 17.24                  |                                                                                      |                                            |  |
| 10              | 16QAM      | 1       | 25        | 17.21                 | 17.29                    | 17.19                  | 19                                                                                   | 0                                          |  |
| 10              | 16QAM      | 1       | 49        | 17.12                 | 17.21                    | 17.14                  |                                                                                      |                                            |  |
| 10              | 16QAM      | 25      | 0         | 17.15                 | 17.29                    | 17.13                  | 19                                                                                   | 0                                          |  |
| 10              | 16QAM      | 25      | 12        | 17.21                 | 17.20                    | 17.00                  |                                                                                      |                                            |  |
| 10              | 16QAM      | 25      | 25        | 17.16                 | 17.11                    | 17.17                  | 19                                                                                   | 0                                          |  |
| 10              | 16QAM      | 50      | 0         | 17.08                 | 17.25                    | 17.06                  |                                                                                      |                                            |  |
| 10              | 64QAM      | 1       | 0         | 17.19                 | 17.30                    | 17.25                  | 19                                                                                   | 0                                          |  |
| 10              | 64QAM      | 1       | 25        | 17.03                 | 17.23                    | 17.01                  |                                                                                      |                                            |  |
| 10              | 64QAM      | 1       | 49        | 17.33                 | 17.34                    | 17.11                  | 19                                                                                   | 0                                          |  |
| 10              | 64QAM      | 25      | 0         | 17.14                 | 17.18                    | 17.14                  |                                                                                      |                                            |  |
| 10              | 64QAM      | 25      | 12        | 17.09                 | 17.15                    | 17.07                  | 19                                                                                   | 0                                          |  |
| 10              | 64QAM      | 25      | 25        | 17.12                 | 17.18                    | 17.16                  |                                                                                      |                                            |  |
| 10              | 64QAM      | 50      | 0         | 17.11                 | 17.25                    | 17.21                  | 19                                                                                   | 0                                          |  |
| 10              | 256QAM     | 1       | 0         | 17.26                 | 17.36                    | 17.22                  |                                                                                      |                                            |  |
| 10              | 256QAM     | 1       | 25        | 17.18                 | 17.36                    | 17.07                  | 19                                                                                   | 0                                          |  |
| 10              | 256QAM     | 1       | 49        | 17.31                 | 17.31                    | 17.23                  |                                                                                      |                                            |  |
| 10              | 256QAM     | 25      | 0         | 17.23                 | 17.31                    | 17.29                  | 19                                                                                   | 0                                          |  |
| 10              | 256QAM     | 25      | 12        | 17.12                 | 17.23                    | 17.03                  |                                                                                      |                                            |  |
| 10              | 256QAM     | 25      | 25        | 17.23                 | 17.26                    | 17.27                  | 19                                                                                   | 0                                          |  |
| 10              | 256QAM     | 50      | 0         | 17.20                 | 17.18                    | 17.12                  |                                                                                      |                                            |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  | 19 <th data-kind="parent" data-rs="2">0<th data-kind="parent" data-rs="2"></th></th> | 0 <th data-kind="parent" data-rs="2"></th> |  |
| Frequency (MHz) |            |         |           | 25725                 | 2595                     | 2617.5                 |                                                                                      |                                            |  |
| 5               | QPSK       | 1       | 0         | 17.19                 | 17.33                    | 17.32                  | 19                                                                                   | 0                                          |  |
| 5               | QPSK       | 1       | 12        | 17.22                 | 17.30                    | 17.14                  |                                                                                      |                                            |  |
| 5               | QPSK       | 1       | 24        | 17.28                 | 17.34                    | 17.23                  | 19                                                                                   | 0                                          |  |
| 5               | QPSK       | 12      | 0         | 17.26                 | 17.35                    | 17.29                  |                                                                                      |                                            |  |
| 5               | QPSK       | 12      | 7         | 17.15                 | 17.25                    | 17.16                  | 19                                                                                   | 0                                          |  |
| 5               | QPSK       | 12      | 13        | 17.13                 | 17.16                    | 17.31                  |                                                                                      |                                            |  |
| 5               | QPSK       | 25      | 0         | 17.25                 | 17.31                    | 17.21                  | 19                                                                                   | 0                                          |  |
| 5               | 16QAM      | 1       | 0         | 17.20                 | 17.30                    | 17.33                  |                                                                                      |                                            |  |
| 5               | 16QAM      | 1       | 12        | 17.14                 | 17.33                    | 17.17                  | 19                                                                                   | 0                                          |  |
| 5               | 16QAM      | 1       | 24        | 17.19                 | 17.27                    | 17.21                  |                                                                                      |                                            |  |
| 5               | 16QAM      | 12      | 0         | 17.09                 | 17.31                    | 17.10                  | 19                                                                                   | 0                                          |  |
| 5               | 16QAM      | 12      | 7         | 17.15                 | 17.21                    | 17.01                  |                                                                                      |                                            |  |
| 5               | 16QAM      | 12      | 13        | 17.13                 | 17.14                    | 17.26                  | 19                                                                                   | 0                                          |  |
| 5               | 16QAM      | 25      | 0         | 17.07                 | 17.22                    | 17.08                  |                                                                                      |                                            |  |
| 5               | 64QAM      | 1       | 0         | 17.08                 | 17.30                    | 17.13                  | 19                                                                                   | 0                                          |  |
| 5               | 64QAM      | 1       | 12        | 17.04                 | 17.24                    | 17.12                  |                                                                                      |                                            |  |
| 5               | 64QAM      | 1       | 24        | 17.22                 | 17.28                    | 17.18                  | 19                                                                                   | 0                                          |  |
| 5               | 64QAM      | 12      | 0         | 17.12                 | 17.19                    | 17.14                  |                                                                                      |                                            |  |
| 5               | 64QAM      | 12      | 7         | 17.17                 | 17.20                    | 17.07                  | 19                                                                                   | 0                                          |  |
| 5               | 64QAM      | 12      | 13        | 17.08                 | 17.13                    | 17.20                  |                                                                                      |                                            |  |
| 5               | 64QAM      | 25      | 0         | 17.07                 | 17.31                    | 17.15                  | 19                                                                                   | 0                                          |  |
| 5               | 256QAM     | 1       | 0         | 17.20                 | 17.37                    | 17.14                  |                                                                                      |                                            |  |
| 5               | 256QAM     | 1       | 12        | 17.16                 | 17.29                    | 17.10                  | 19                                                                                   | 0                                          |  |
| 5               | 256QAM     | 1       | 24        | 17.27                 | 17.36                    | 17.27                  |                                                                                      |                                            |  |
| 5               | 256QAM     | 12      | 0         | 17.18                 | 17.32                    | 17.30                  | 19                                                                                   | 0                                          |  |
| 5               | 256QAM     | 12      | 7         | 17.13                 | 17.22                    | 17.06                  |                                                                                      |                                            |  |
| 5               | 256QAM     | 12      | 13        | 17.17                 | 17.18                    | 17.31                  | 19                                                                                   | 0                                          |  |
| 5               | 256QAM     | 25      | 0         | 17.21                 | 17.24                    | 17.17                  |                                                                                      |                                            |  |

| Band 41 Ant 1 |            |         |           |                       |                          |                        |                     |          |  |
|---------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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) |  |





| Band 7 Ant 6    |            |         |           |                     |                      |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 20500               | 21100                | 21500                |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                | 2535                 | 2560                 |                     |          |  |
| 20              | QPSK       | 1       | 0         | 22.27               | 22.56                | 22.52                | 24                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 22.28               | 22.43                | 22.42                |                     |          |  |
| 20              | QPSK       | 1       | 99        | 22.22               | 22.44                | 22.30                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.43               | 21.45                | 21.41                | 23                  | 1        |  |
| 20              | QPSK       | 50      | 24        | 21.19               | 21.40                | 21.19                |                     |          |  |
| 20              | QPSK       | 50      | 50        | 21.18               | 21.38                | 21.34                |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.22               | 21.33                | 21.31                | 23                  | 1        |  |
| 20              | 16QAM      | 1       | 0         | 21.33               | 21.31                | 21.35                |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 21.25               | 21.31                | 21.26                |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 21.38               | 21.47                | 21.25                | 22                  | 2        |  |
| 20              | 16QAM      | 50      | 0         | 20.29               | 20.18                | 20.22                |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 20.31               | 20.39                | 20.25                |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 20.37               | 20.42                | 20.28                | 22                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 20.20               | 20.37                | 20.17                |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 20.28               | 20.40                | 20.26                |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 20.17               | 20.34                | 20.38                | 22                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 20.16               | 20.32                | 20.34                |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 19.35               | 19.53                | 19.32                |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 19.44               | 19.32                | 19.28                | 21                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 19.38               | 19.39                | 19.38                |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 19.49               | 19.35                | 19.33                |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 17.45               | 17.46                | 17.32                | 19                  | 5        |  |
| 20              | 256QAM     | 1       | 49        | 17.49               | 17.48                | 17.43                |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 17.38               | 17.39                | 17.42                |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 17.48               | 17.32                | 17.43                | 19                  | 5        |  |
| 20              | 256QAM     | 50      | 24        | 17.35               | 17.54                | 17.52                |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 17.51               | 17.52                | 17.42                |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 17.31               | 17.47                | 17.41                |                     |          |  |
| Channel         |            |         |           | 20825               | 21100                | 21375                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5              | 2535                 | 2562.5               |                     |          |  |
| 15              | QPSK       | 1       | 0         | 22.21               | 22.43                | 22.41                | 24                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.20               | 22.31                | 22.32                |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.14               | 22.35                | 22.20                |                     |          |  |
| 15              | QPSK       | 36      | 0         | 21.32               | 21.32                | 21.26                | 23                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 21.09               | 21.28                | 21.11                |                     |          |  |
| 15              | QPSK       | 36      | 39        | 21.09               | 21.26                | 21.27                |                     |          |  |
| 15              | QPSK       | 75      | 0         | 21.11               | 21.27                | 21.22                | 23                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 21.23               | 21.35                | 21.27                |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 21.19               | 21.21                | 21.17                |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 21.25               | 21.35                | 21.12                | 22                  | 2        |  |
| 15              | 16QAM      | 36      | 0         | 20.19               | 20.09                | 20.14                |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 20.20               | 20.31                | 20.12                |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 20.25               | 20.30                | 20.15                | 22                  | 2        |  |
| 15              | 16QAM      | 75      | 0         | 20.12               | 20.24                | 20.10                |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 20.20               | 20.27                | 20.14                |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 20.09               | 20.27                | 20.31                | 22                  | 2        |  |
| 15              | 64QAM      | 1       | 74        | 20.08               | 20.21                | 20.22                |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 19.23               | 19.41                | 19.21                |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 19.34               | 19.21                | 19.18                | 21                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 19.29               | 19.31                | 19.30                |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 19.38               | 19.25                | 19.29                |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 17.37               | 17.37                | 17.29                | 19                  | 5        |  |
| 15              | 256QAM     | 1       | 37        | 17.38               | 17.35                | 17.29                |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 17.27               | 17.29                | 17.33                |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 17.42               | 17.26                | 17.33                | 19                  | 5        |  |
| 15              | 256QAM     | 36      | 20        | 17.26               | 17.41                | 17.41                |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 17.44               | 17.41                | 17.35                |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 17.21               | 17.38                | 17.32                |                     |          |  |
| Channel         |            |         |           | 20800               | 21100                | 21400                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                | 2535                 | 2565                 |                     |          |  |
| 10              | QPSK       | 1       | 0         | 22.19               | 22.47                | 22.44                | 24                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.21               | 22.34                | 22.33                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.15               | 22.32                | 22.17                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 21.30               | 21.33                | 21.30                | 23                  | 1        |  |
| 10              | QPSK       | 25      | 12        | 21.11               | 21.30                | 21.12                |                     |          |  |
| 10              | QPSK       | 25      | 25        | 21.12               | 21.28                | 21.28                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 21.15               | 21.27                | 21.22                | 23                  | 1        |  |
| 10              | 16QAM      | 1       | 0         | 21.21               | 21.38                | 21.26                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 21.14               | 21.15                | 21.11                |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 21.27               | 21.38                | 21.13                | 22                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 20.20               | 20.07                | 20.09                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 20.20               | 20.26                | 20.10                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 20.23               | 20.30                | 20.18                | 22                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 20.12               | 20.23                | 20.07                |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 20.15               | 20.27                | 20.15                |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 20.06               | 20.21                | 20.31                | 22                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 20.08               | 20.25                | 20.26                |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 19.24               | 19.43                | 19.24                |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 19.31               | 19.22                | 19.19                | 21                  | 3        |  |
| 10              | 64QAM      | 25      | 25        | 19.28               | 19.30                | 19.30                |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 19.39               | 19.24                | 19.28                |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 17.37               | 17.42                | 17.26                | 19                  | 5        |  |
| 10              | 256QAM     | 1       | 25        | 17.38               | 17.34                | 17.28                |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 17.27               | 17.28                | 17.33                |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 17.43               | 17.26                | 17.34                | 19                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 17.26               | 17.45                | 17.46                |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 17.41               | 17.40                | 17.31                |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 17.21               | 17.37                | 17.35                |                     |          |  |
| Channel         |            |         |           | 20775               | 21100                | 21425                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5              | 2535                 | 2567.5               |                     |          |  |
| 5               | QPSK       | 1       | 0         | 22.20               | 22.43                | 22.42                | 24                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.19               | 22.33                | 22.28                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.11               | 22.31                | 22.18                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 21.30               | 21.31                | 21.27                | 23                  | 1        |  |
| 5               | QPSK       | 12      | 7         | 21.14               | 21.28                | 21.13                |                     |          |  |
| 5               | QPSK       | 12      | 13        | 21.11               | 21.27                | 21.24                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 21.11               | 21.22                | 21.23                | 23                  | 1        |  |
| 5               | 16QAM      | 1       | 0         | 21.21               | 21.34                | 21.28                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 21.17               | 21.16                | 21.12                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 21.28               | 21.35                | 21.13                | 22                  | 2        |  |
| 5               | 16QAM      | 12      | 0         | 20.17               | 20.08                | 20.12                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 20.20               | 20.26                | 20.14                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 20.23               | 20.27                | 20.19                | 22                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 20.13               | 20.23                | 20.10                |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 20.14               | 20.26                | 20.11                |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 20.09               | 20.24                | 20.30                | 22                  | 2        |  |
| 5               | 64QAM      | 1       | 24        | 20.05               | 20.23                | 20.28                |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 19.22               | 19.40                | 19.22                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 19.34               | 19.23                | 19.21                | 21                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 19.30               | 19.29                | 19.32                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 19.36               | 19.20                | 19.24                |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 17.35               | 17.36                | 17.23                | 19                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 17.36               | 17.33                | 17.32                |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 17.26               | 17.29                | 17.33                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 17.40               | 17.24                | 17.36                | 19                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 17.27               | 17.44                | 17.45                |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 17.41               | 17.44                | 17.33                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 17.20               | 17.35                | 17.35                |                     |          |  |



| Band 7 Ant 7    |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 20650                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 20.41                 | 20.49                    | 20.41                  | 22                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 20.21                 | 20.24                    | 20.16                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 20.25                 | 20.44                    | 20.39                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 19.27                 | 19.43                    | 19.35                  | 21                  | 1        |  |
| 20              | QPSK       | 50      | 24        | 19.37                 | 19.41                    | 19.40                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 19.33                 | 19.38                    | 19.26                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 19.24                 | 19.50                    | 19.39                  | 21                  | 1        |  |
| 20              | 16QAM      | 1       | 0         | 19.37                 | 19.40                    | 19.28                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 19.20                 | 19.35                    | 19.22                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 19.24                 | 19.30                    | 19.25                  | 20                  | 2        |  |
| 20              | 16QAM      | 50      | 0         | 18.18                 | 18.33                    | 18.32                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 18.31                 | 18.34                    | 18.18                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 18.26                 | 18.35                    | 18.28                  | 20                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 18.38                 | 18.31                    | 18.27                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 18.31                 | 18.17                    | 18.26                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 18.25                 | 18.23                    | 18.14                  | 20                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 18.30                 | 18.18                    | 18.20                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 17.26                 | 17.44                    | 17.40                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 17.43                 | 17.34                    | 17.28                  | 19                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 17.22                 | 17.44                    | 17.42                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 17.42                 | 17.22                    | 17.38                  |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 15.33                 | 15.27                    | 15.39                  | 17                  | 5        |  |
| 20              | 256QAM     | 1       | 49        | 15.39                 | 15.36                    | 15.30                  |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 15.31                 | 15.23                    | 15.46                  |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 15.35                 | 15.38                    | 15.38                  | 17                  | 5        |  |
| 20              | 256QAM     | 50      | 24        | 15.36                 | 15.22                    | 15.26                  |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 15.45                 | 15.28                    | 15.32                  |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 15.36                 | 15.37                    | 15.41                  |                     |          |  |
| Channel         |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 0         | 20.39                 | 20.46                    | 20.38                  | 22                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 20.18                 | 20.25                    | 20.22                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 20.30                 | 20.43                    | 20.37                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 19.25                 | 19.44                    | 19.30                  | 21                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 19.34                 | 19.38                    | 19.36                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 19.30                 | 19.39                    | 19.27                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 19.24                 | 19.51                    | 19.37                  | 21                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 19.40                 | 19.43                    | 19.24                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 19.20                 | 19.36                    | 19.22                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 19.23                 | 19.30                    | 19.23                  | 20                  | 2        |  |
| 15              | 16QAM      | 36      | 0         | 18.16                 | 18.31                    | 18.32                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 18.28                 | 18.38                    | 18.17                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 18.25                 | 18.31                    | 18.23                  | 20                  | 2        |  |
| 15              | 16QAM      | 75      | 0         | 18.35                 | 18.33                    | 18.29                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 18.28                 | 18.17                    | 18.27                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 18.25                 | 18.24                    | 18.13                  | 19                  | 3        |  |
| 15              | 64QAM      | 1       | 74        | 18.33                 | 18.20                    | 18.17                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 17.28                 | 17.44                    | 17.38                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 17.38                 | 17.32                    | 17.30                  | 19                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 17.24                 | 17.41                    | 17.38                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 17.44                 | 17.24                    | 17.34                  |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 15.35                 | 15.24                    | 15.36                  | 17                  | 5        |  |
| 15              | 256QAM     | 1       | 37        | 15.41                 | 15.37                    | 15.28                  |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 15.30                 | 15.24                    | 15.43                  |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 15.32                 | 15.39                    | 15.37                  | 17                  | 5        |  |
| 15              | 256QAM     | 36      | 20        | 15.34                 | 15.24                    | 15.29                  |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 15.46                 | 15.30                    | 15.35                  |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 15.39                 | 15.38                    | 15.42                  |                     |          |  |
| Channel         |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 20.39                 | 20.46                    | 20.35                  | 22                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 20.30                 | 20.25                    | 20.19                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 20.26                 | 20.40                    | 20.38                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 19.25                 | 19.40                    | 19.31                  | 21                  | 1        |  |
| 10              | QPSK       | 25      | 12        | 19.38                 | 19.36                    | 19.40                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 19.32                 | 19.37                    | 19.25                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 19.23                 | 19.51                    | 19.40                  | 21                  | 1        |  |
| 10              | 16QAM      | 1       | 0         | 19.41                 | 19.41                    | 19.29                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 19.24                 | 19.37                    | 19.21                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 19.25                 | 19.30                    | 19.24                  | 20                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 18.17                 | 18.28                    | 18.32                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 18.28                 | 18.37                    | 18.18                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 18.21                 | 18.34                    | 18.24                  | 20                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 18.34                 | 18.32                    | 18.27                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 18.30                 | 18.19                    | 18.23                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 18.21                 | 18.19                    | 18.10                  | 20                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 18.33                 | 18.19                    | 18.19                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 17.30                 | 17.43                    | 17.42                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 17.42                 | 17.31                    | 17.27                  | 19                  | 3        |  |
| 10              | 64QAM      | 25      | 25        | 17.22                 | 17.43                    | 17.43                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 17.44                 | 17.25                    | 17.37                  |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 15.36                 | 15.24                    | 15.40                  | 17                  | 5        |  |
| 10              | 256QAM     | 1       | 25        | 15.38                 | 15.36                    | 15.29                  |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 15.30                 | 15.24                    | 15.44                  |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 15.33                 | 15.37                    | 15.39                  | 17                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 15.38                 | 15.25                    | 15.30                  |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 15.43                 | 15.30                    | 15.31                  |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 15.41                 | 15.37                    | 15.43                  |                     |          |  |
| Channel         |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 0         | 20.38                 | 20.43                    | 20.37                  | 22                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 20.21                 | 20.24                    | 20.19                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 20.29                 | 20.42                    | 20.41                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 19.24                 | 19.44                    | 19.33                  | 21                  | 1        |  |
| 5               | QPSK       | 12      | 7         | 19.35                 | 19.38                    | 19.37                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 19.34                 | 19.40                    | 19.26                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 19.28                 | 19.50                    | 19.39                  | 21                  | 1        |  |
| 5               | 16QAM      | 1       | 0         | 19.40                 | 19.44                    | 19.24                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 19.23                 | 19.36                    | 19.20                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 19.25                 | 19.29                    | 19.24                  | 20                  | 2        |  |
| 5               | 16QAM      | 12      | 0         | 18.16                 | 18.34                    | 18.33                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 18.27                 | 18.35                    | 18.20                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 18.23                 | 18.31                    | 18.29                  | 20                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 18.37                 | 18.28                    | 18.24                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 18.28                 | 18.20                    | 18.21                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 18.22                 | 18.18                    | 18.11                  | 20                  | 2        |  |
| 5               | 64QAM      | 1       | 24        | 18.32                 | 18.19                    | 18.18                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 17.29                 | 17.41                    | 17.40                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 17.42                 | 17.31                    | 17.27                  | 19                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 17.18                 | 17.41                    | 17.38                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 17.43                 | 17.25                    | 17.35                  |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 15.35                 | 15.22                    | 15.37                  | 17                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 15.43                 | 15.33                    | 15.31                  |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 15.27                 | 15.26                    | 15.42                  |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 15.31                 | 15.38                    | 15.37                  | 17                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 15.33                 | 15.23                    | 15.30                  |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 15.42                 | 15.29                    | 15.35                  |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 15.37                 | 15.38                    | 15.43                  |                     |          |  |







## Reduced Power Mode for DS15

| GSM850 Ant 0    |  | Burst Average Power (dBm) |       |       | Tune-up |  | Frame Average Power (dBm) |       |       | Tune-up |  |
|-----------------|--|---------------------------|-------|-------|---------|--|---------------------------|-------|-------|---------|--|
| TX Channel      |  | 128                       | 188   | 251   | Limit   |  | 128                       | 188   | 251   | Limit   |  |
| Frequency (MHz) |  | 824.2                     | 836.4 | 848.8 | (dBm)   |  | 824.2                     | 836.4 | 848.8 | (dBm)   |  |
| GSM 1 Tx slot   |  | 31.26                     | 31.56 | 31.54 | 32.50   |  | 22.26                     | 22.56 | 22.54 | 23.50   |  |
| GPRS 1 Tx slot  |  | 31.19                     | 31.64 | 31.62 | 32.50   |  | 22.19                     | 22.64 | 22.62 | 23.50   |  |
| GPRS 2 Tx slots |  | 28.02                     | 28.16 | 28.32 | 28.00   |  | 22.02                     | 22.16 | 22.32 | 23.00   |  |
| GPRS 3 Tx slots |  | 26.62                     | 26.42 | 26.46 | 27.50   |  | 22.36                     | 22.16 | 22.20 | 23.24   |  |
| GPRS 4 Tx slots |  | 25.03                     | 25.19 | 25.36 | 26.00   |  | 22.03                     | 22.19 | 22.36 | 23.00   |  |
| EDGE 1 Tx slot  |  | 25.38                     | 25.51 | 25.32 | 26.00   |  | 16.38                     | 16.31 | 16.32 | 17.00   |  |
| EDGE 2 Tx slots |  | 22.78                     | 22.72 | 22.73 | 23.50   |  | 16.78                     | 16.72 | 16.73 | 17.50   |  |
| EDGE 3 Tx slots |  | 20.76                     | 20.77 | 20.83 | 22.00   |  | 16.49                     | 16.51 | 16.67 | 17.74   |  |
| EDGE 4 Tx slots |  | 19.09                     | 18.93 | 18.16 | 20.00   |  | 16.09                     | 15.93 | 16.16 | 17.00   |  |

| GSM1900 Ant 0   |  | Burst Average Power (dBm) |       |        | Tune-up |  | Frame Average Power (dBm) |       |        | Tune-up |  |
|-----------------|--|---------------------------|-------|--------|---------|--|---------------------------|-------|--------|---------|--|
| TX Channel      |  | 512                       | 681   | 810    | Limit   |  | 512                       | 681   | 810    | Limit   |  |
| Frequency (MHz) |  | 1852.2                    | 1860  | 1869.8 | (dBm)   |  | 1852.2                    | 1860  | 1869.8 | (dBm)   |  |
| GSM 1 Tx slot   |  | 29.11                     | 29.28 | 29.16  | 30.50   |  | 20.11                     | 20.26 | 20.16  | 21.50   |  |
| GPRS 1 Tx slot  |  | 28.88                     | 29.28 | 29.27  | 30.50   |  | 19.88                     | 20.28 | 20.27  | 21.50   |  |
| GPRS 2 Tx slots |  | 26.31                     | 26.61 | 26.61  | 27.50   |  | 20.31                     | 20.61 | 20.61  | 21.50   |  |
| GPRS 3 Tx slots |  | 24.42                     | 24.54 | 24.50  | 26.00   |  | 20.16                     | 20.28 | 20.24  | 21.74   |  |
| GPRS 4 Tx slots |  | 22.27                     | 22.37 | 22.48  | 23.50   |  | 19.27                     | 19.37 | 19.48  | 20.50   |  |
| EDGE 1 Tx slot  |  | 24.91                     | 25.07 | 25.02  | 26.50   |  | 16.91                     | 16.07 | 16.02  | 17.50   |  |
| EDGE 2 Tx slots |  | 22.47                     | 22.67 | 22.53  | 24.00   |  | 16.47                     | 16.67 | 16.53  | 18.00   |  |
| EDGE 3 Tx slots |  | 20.34                     | 20.71 | 20.71  | 22.00   |  | 16.08                     | 16.45 | 16.45  | 17.74   |  |
| EDGE 4 Tx slots |  | 18.68                     | 18.07 | 18.93  | 20.50   |  | 15.66                     | 16.07 | 15.93  | 17.50   |  |

| Band            |  | WCDMA S Ant 0 |       |        | Tune-up |  | WCDMA N Ant 0 |        |        | Tune-up |  | WCDMA V Ant 0 |       |       | Tune-up |  |
|-----------------|--|---------------|-------|--------|---------|--|---------------|--------|--------|---------|--|---------------|-------|-------|---------|--|
| TX Channel      |  | 9262          | 9400  | 9538   | Limit   |  | 1312          | 1413   | 1513   | Limit   |  | 4132          | 4182  | 4233  | Limit   |  |
| Rx Channel      |  | 9662          | 9800  | 9938   | (dBm)   |  | 1637          | 1638   | 1738   | (dBm)   |  | 4367          | 4407  | 4458  | (dBm)   |  |
| Frequency (MHz) |  | 1852.4        | 1860  | 1869.8 | (dBm)   |  | 1412.4        | 1412.8 | 1422.8 | (dBm)   |  | 824.4         | 836.4 | 848.8 | (dBm)   |  |
| 3GPP Rel 99     |  | 22.60         | 22.89 | 22.77  | 24.00   |  | 22.63         | 22.66  | 22.40  | 24.00   |  | 22.94         | 22.98 | 22.97 | 24.00   |  |
| 3GPP Rel 99     |  | 22.80         | 23.00 | 22.83  | 24.00   |  | 22.65         | 22.76  | 22.60  | 24.00   |  | 23.05         | 23.09 | 23.00 | 24.00   |  |
| 3GPP Rel 6      |  | 21.72         | 22.10 | 21.87  | 23.00   |  | 21.76         | 21.85  | 21.69  | 23.00   |  | 22.04         | 22.11 | 21.85 | 23.00   |  |
| 3GPP Rel 6      |  | 21.81         | 21.98 | 21.89  | 23.00   |  | 21.58         | 21.81  | 21.48  | 23.00   |  | 22.15         | 21.99 | 22.03 | 23.00   |  |
| 3GPP Rel 6      |  | 21.41         | 21.62 | 21.41  | 22.50   |  | 20.98         | 21.27  | 20.93  | 22.50   |  | 21.49         | 21.48 | 21.42 | 22.50   |  |
| 3GPP Rel 6      |  | 21.29         | 21.49 | 21.21  | 22.50   |  | 21.19         | 21.20  | 20.94  | 22.50   |  | 21.59         | 21.46 | 21.65 | 22.50   |  |
| 3GPP Rel 6      |  | 21.66         | 21.85 | 21.81  | 23.00   |  | 21.43         | 21.66  | 21.29  | 23.00   |  | 22.05         | 22.12 | 21.94 | 23.00   |  |
| 3GPP Rel 6      |  | 20.75         | 20.92 | 20.73  | 21.00   |  | 19.66         | 19.79  | 19.47  | 21.00   |  | 19.96         | 19.96 | 20.03 | 21.00   |  |
| 3GPP Rel 6      |  | 20.62         | 21.03 | 20.96  | 22.00   |  | 20.59         | 20.66  | 20.38  | 22.00   |  | 20.90         | 21.22 | 20.89 | 22.00   |  |
| 3GPP Rel 6      |  | 19.71         | 19.95 | 19.94  | 21.00   |  | 19.66         | 19.86  | 19.55  | 21.00   |  | 20.13         | 20.07 | 19.85 | 21.00   |  |
| 3GPP Rel 6      |  | 21.69         | 22.01 | 21.88  | 23.00   |  | 21.36         | 21.74  | 21.34  | 23.00   |  | 21.89         | 21.92 | 22.13 | 23.00   |  |
| 3GPP Rel 7      |  | 19.38         | 19.71 | 19.58  | 20.50   |  | 19.06         | 19.44  | 19.04  | 20.50   |  | 19.59         | 19.62 | 19.83 | 20.50   |  |





| Band 26 Ant 0   |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|-------------------|----------|--|--|--|--|--|--|
| BM [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up Int. (dB) | APR (dB) |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 22.60               | 22.66               | 22.61                | 24                | 0        |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 22.59               | 22.61               | 22.63                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 22.60               | 22.59               | 22.63                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 21.63               | 21.68               | 21.64                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 21.62               | 21.64               | 21.64                | 23                | 1        |  |  |  |  |  |  |
| 15              | QPSK       | 36      | 36        | 21.63               | 21.65               | 21.64                |                   |          |  |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 21.66               | 21.67               | 21.62                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 21.61               | 21.62               | 21.65                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 21.61               | 21.61               | 21.65                | 23                | 1        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 21.66               | 21.65               | 21.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 20.63               | 20.62               | 20.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 20.63               | 20.59               | 20.59                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 20.64               | 20.69               | 20.63                | 22                | 2        |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 20.61               | 20.64               | 20.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 20.65               | 20.64               | 20.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 20.63               | 20.65               | 20.64                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 20.65               | 20.64               | 20.62                | 22                | 2        |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 19.60               | 19.62               | 19.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 19.65               | 19.61               | 19.63                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 36      | 36        | 19.63               | 19.64               | 19.61                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 19.64               | 19.60               | 19.61                | 21                | 3        |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 18.63               | 18.66               | 18.64                |                   |          |  |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 18.60               | 18.61               | 18.62                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 1       | 74        | 18.65               | 18.65               | 18.60                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 0         | 18.62               | 18.65               | 18.64                | 19                | 5        |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 20        | 18.62               | 18.65               | 18.62                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 36      | 36        | 18.62               | 18.65               | 18.65                |                   |          |  |  |  |  |  |  |
| 15              | 256QAM     | 75      | 0         | 18.65               | 18.62               | 18.65                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 22.47               | 22.52               | 22.52                | 24                | 0        |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 37        | 22.49               | 22.54               | 22.52                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 22.47               | 22.47               | 22.56                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 21.53               | 21.50               | 21.52                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 21.50               | 21.52               | 21.53                | 23                | 1        |  |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 21.51               | 21.55               | 21.57                |                   |          |  |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 21.55               | 21.54               | 21.56                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 21.52               | 21.53               | 21.58                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 21.52               | 21.49               | 21.56                | 23                | 1        |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 21.54               | 21.56               | 21.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 20.52               | 20.51               | 20.49                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 20.52               | 20.51               | 20.55                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 20.52               | 20.54               | 20.54                | 22                | 2        |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 20.48               | 20.52               | 20.51                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 20.53               | 20.51               | 20.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 20.55               | 20.55               | 20.52                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 20.53               | 20.54               | 20.53                | 21                | 3        |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 19.49               | 19.55               | 19.51                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 19.48               | 19.54               | 19.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 19.51               | 19.52               | 19.54                |                   |          |  |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 19.52               | 19.51               | 19.54                | 19                | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 0         | 18.54               | 18.58               | 18.53                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 25        | 18.48               | 18.52               | 18.51                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 1       | 49        | 18.57               | 18.56               | 18.50                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 0         | 18.51               | 18.57               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 12        | 18.55               | 18.58               | 18.50                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 25      | 25        | 18.49               | 18.54               | 18.55                |                   |          |  |  |  |  |  |  |
| 10              | 256QAM     | 50      | 0         | 18.53               | 18.52               | 18.58                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 22.50               | 22.52               | 22.54                | 24                | 0        |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 22.48               | 22.52               | 22.57                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 22.50               | 22.48               | 22.53                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 21.52               | 21.53               | 21.57                |                   |          |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 21.51               | 21.52               | 21.53                | 23                | 1        |  |  |  |  |  |  |
| 5               | QPSK       | 12      | 25        | 21.52               | 21.53               | 21.54                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 21.52               | 21.51               | 21.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 21.52               | 21.51               | 21.56                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 21.46               | 21.58               | 21.54                | 23                | 1        |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 20.52               | 20.51               | 20.54                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 20.54               | 20.50               | 20.53                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 18        | 20.56               | 20.53               | 20.55                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.54               | 20.57               | 20.51                | 22                | 2        |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 20.58               | 20.54               | 20.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 20.51               | 20.54               | 20.53                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 20.57               | 20.55               | 20.52                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 19.49               | 19.50               | 19.54                | 21                | 3        |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 19.55               | 19.51               | 19.54                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 19.52               | 19.56               | 19.49                |                   |          |  |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 19.51               | 19.52               | 19.49                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 0         | 18.48               | 18.53               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 12        | 18.51               | 18.49               | 18.55                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 1       | 24        | 18.52               | 18.55               | 18.51                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 0         | 18.54               | 18.58               | 18.54                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 7         | 18.52               | 18.58               | 18.53                | 19                | 5        |  |  |  |  |  |  |
| 5               | 256QAM     | 12      | 13        | 18.51               | 18.54               | 18.55                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 18.54               | 18.51               | 18.53                |                   |          |  |  |  |  |  |  |
| 5               | 256QAM     | 25      | 0         | 18.54               | 18.51               | 18.53                |                   |          |  |  |  |  |  |  |
| Channel         |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| Frequency (MHz) |            |         |           |                     |                     |                      |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 0         | 22.48               | 22.53               | 22.54                | 24                | 0        |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 8         | 22.51               | 22.51               | 22.53                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 1       | 14        | 22.52               | 22.47               | 22.54                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 0         | 21.51               | 21.54               | 21.52                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 4         | 21.52               | 21.56               | 21.54                | 23                | 1        |  |  |  |  |  |  |
| 3               | QPSK       | 8       | 7         | 21.51               | 21.57               | 21.54                |                   |          |  |  |  |  |  |  |
| 3               | QPSK       | 15      | 0         | 21.58               | 21.58               | 21.54                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 21.48               | 21.52               | 21.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 21.48               | 21.48               | 21.58                | 23                | 1        |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 21.59               | 21.57               | 21.53                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 20.54               | 20.50               | 20.50                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 20.56               | 20.49               | 20.56                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 20.55               | 20.57               | 20.50                | 22                | 2        |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 20.52               | 20.54               | 20.48                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 0         | 20.55               | 20.52               | 20.50                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 8         | 20.51               | 20.55               | 20.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 1       | 14        | 20.58               | 20.54               | 20.52                | 21                | 3        |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 0         | 19.52               | 19.52               | 19.54                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 4         | 19.57               | 19.52               | 19.52                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 8       | 7         | 19.56               | 19.52               | 19.53                |                   |          |  |  |  |  |  |  |
| 3               | 16QAM      | 15      | 0         | 19.51               | 19.49               | 19.53                | 19                | 5        |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 0         | 18.53               | 18.58               | 18.51                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 8         | 18.51               | 18.52               | 18.51                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 1       | 14        | 18.52               | 18.55               | 18.46                |                   |          |  |  |  |  |  |  |
| 3               | 256QAM     | 8       | 0         | 18.54               | 18.58               | 18.                  |                   |          |  |  |  |  |  |  |

| GSM850 Ant 1    |  | Burst Average Power (dbm) |       |       | Turn-up Limit (dbm) | Frame-Average Power (dbm) |       |       | Turn-up Limit (dbm) |
|-----------------|--|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| TX Channel      |  | 126                       | 189   | 251   |                     | 191                       | 189   | 231   |                     |
| Frequency (MHz) |  | 854.2                     | 856.4 | 858.8 |                     | 854.2                     | 856.4 | 858.8 |                     |
| GSM 1 Tx slot   |  | 33.49                     | 33.76 | 33.76 | 35.00               | 24.49                     | 24.76 | 24.76 | 26.00               |
| GPRS 1 Tx slot  |  | 33.42                     | 33.65 | 33.62 | 35.00               | 24.42                     | 24.65 | 24.62 | 26.00               |
| GPRS 2 Tx slots |  | 30.44                     | 30.69 | 30.46 | 32.00               | 24.44                     | 24.69 | 24.46 | 26.00               |
| GPRS 3 Tx slots |  | 26.51                     | 26.75 | 26.73 | 30.00               | 24.25                     | 24.49 | 24.47 | 25.74               |
| GPRS 4 Tx slots |  | 27.48                     | 27.48 | 27.76 | 28.50               | 24.48                     | 24.48 | 24.76 | 25.50               |
| EDGE 1 Tx slot  |  | 27.76                     | 27.60 | 27.59 | 28.50               | 18.76                     | 18.60 | 18.59 | 19.50               |
| EDGE 2 Tx slots |  | 25.02                     | 24.96 | 25.16 | 26.00               | 18.02                     | 18.96 | 18.16 | 20.00               |
| EDGE 3 Tx slots |  | 22.97                     | 22.89 | 23.31 | 24.00               | 18.71                     | 18.63 | 19.05 | 19.74               |
| EDGE 4 Tx slots |  | 21.34                     | 21.33 | 21.55 | 22.50               | 18.34                     | 18.33 | 18.55 | 19.50               |

| Band            |                         | WCDMA V Ant 1 |       |       | Turn-up Limit (dbm) |
|-----------------|-------------------------|---------------|-------|-------|---------------------|
| TX Channel      |                         | 4192          | 4182  | 4233  |                     |
| Rx Channel      |                         | 4357          | 4407  | 4458  |                     |
| Frequency (MHz) |                         | 826.4         | 836.4 | 846.6 |                     |
| 3GPP Rel 99     | AMR 12.2Kbps            | 22.55         | 22.54 | 22.53 | 24.00               |
| 3GPP Rel 99     | AMR 12.2Kbps            | 22.58         | 22.55 | 22.57 | 24.00               |
| 3GPP Rel 6      | HSDPA Subtest-1         | 21.89         | 21.63 | 21.64 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-2         | 21.66         | 21.58 | 21.61 | 22.50               |
| 3GPP Rel 6      | HSDPA Subtest-3         | 21.16         | 21.08 | 21.09 | 22.00               |
| 3GPP Rel 6      | HSDPA Subtest-4         | 21.16         | 21.11 | 21.14 | 22.00               |
| 3GPP Rel 6      | HSUPA Subtest-1         | 21.54         | 21.67 | 21.56 | 22.50               |
| 3GPP Rel 6      | HSUPA Subtest-2         | 19.47         | 19.66 | 19.51 | 20.50               |
| 3GPP Rel 6      | HSUPA Subtest-3         | 20.68         | 20.53 | 20.48 | 21.50               |
| 3GPP Rel 6      | HSUPA Subtest-4         | 19.47         | 19.61 | 19.49 | 20.50               |
| 3GPP Rel 6      | HSUPA Subtest-5         | 21.68         | 21.53 | 21.48 | 22.50               |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 19.28         | 19.13 | 19.08 | 20.00               |











| Band 7 Ant 6    |            |         |           |                     |                      |                      |                     |          |  |  |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|--|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel         |            |         |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |  |  |
| 20              | QPSK       | 1       | 0         | 22.27               | 22.56                | 22.50                | 24                  | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 22.28               | 22.43                | 22.42                |                     |          |  |  |
| 20              | QPSK       | 1       | 99        | 22.22               | 22.44                | 22.30                |                     |          |  |  |
| 20              | QPSK       | 50      | 0         | 21.43               | 21.45                | 21.41                | 23                  | 1        |  |  |
| 20              | QPSK       | 50      | 24        | 21.19               | 21.40                | 21.19                |                     |          |  |  |
| 20              | QPSK       | 50      | 50        | 21.22               | 21.33                | 21.31                |                     |          |  |  |
| 20              | 16QAM      | 1       | 0         | 21.33               | 21.31                | 21.35                | 23                  | 1        |  |  |
| 20              | 16QAM      | 1       | 49        | 21.25               | 21.31                | 21.26                |                     |          |  |  |
| 20              | 16QAM      | 1       | 99        | 21.38               | 21.47                | 21.25                |                     |          |  |  |
| 20              | 16QAM      | 50      | 0         | 20.29               | 20.18                | 20.22                | 22                  | 2        |  |  |
| 20              | 16QAM      | 50      | 24        | 20.31               | 20.39                | 20.25                |                     |          |  |  |
| 20              | 16QAM      | 50      | 50        | 20.37               | 20.42                | 20.28                |                     |          |  |  |
| 20              | 16QAM      | 100     | 0         | 20.20               | 20.37                | 20.17                | 22                  | 2        |  |  |
| 20              | 64QAM      | 1       | 0         | 20.28               | 20.40                | 20.26                |                     |          |  |  |
| 20              | 64QAM      | 1       | 49        | 20.17               | 20.34                | 20.38                |                     |          |  |  |
| 20              | 64QAM      | 1       | 99        | 20.16               | 20.32                | 20.34                | 21                  | 3        |  |  |
| 20              | 64QAM      | 50      | 0         | 19.35               | 19.53                | 19.32                |                     |          |  |  |
| 20              | 64QAM      | 50      | 24        | 19.44               | 19.32                | 19.28                |                     |          |  |  |
| 20              | 64QAM      | 50      | 50        | 19.38               | 19.39                | 19.38                | 19                  | 5        |  |  |
| 20              | 64QAM      | 100     | 0         | 19.49               | 19.35                | 19.33                |                     |          |  |  |
| 20              | 256QAM     | 1       | 0         | 17.45               | 17.46                | 17.32                |                     |          |  |  |
| 20              | 256QAM     | 1       | 49        | 17.49               | 17.48                | 17.43                | 19                  | 5        |  |  |
| 20              | 256QAM     | 1       | 99        | 17.38               | 17.39                | 17.42                |                     |          |  |  |
| 20              | 256QAM     | 50      | 0         | 17.48               | 17.32                | 17.43                |                     |          |  |  |
| 20              | 256QAM     | 50      | 24        | 17.35               | 17.54                | 17.52                | 19                  | 5        |  |  |
| 20              | 256QAM     | 50      | 50        | 17.51               | 17.52                | 17.42                |                     |          |  |  |
| 20              | 256QAM     | 100     | 0         | 17.31               | 17.47                | 17.41                |                     |          |  |  |
| Channel         |            |         |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |  |  |
| 15              | QPSK       | 1       | 0         | 22.21               | 22.43                | 22.41                | 24                  | 0        |  |  |
| 15              | QPSK       | 1       | 37        | 22.20               | 22.31                | 22.32                |                     |          |  |  |
| 15              | QPSK       | 1       | 74        | 22.14               | 22.35                | 22.20                |                     |          |  |  |
| 15              | QPSK       | 36      | 0         | 21.32               | 21.32                | 21.26                | 23                  | 1        |  |  |
| 15              | QPSK       | 36      | 20        | 21.09               | 21.28                | 21.11                |                     |          |  |  |
| 15              | QPSK       | 36      | 39        | 21.09               | 21.26                | 21.27                |                     |          |  |  |
| 15              | QPSK       | 75      | 0         | 21.11               | 21.27                | 21.22                | 23                  | 1        |  |  |
| 15              | 16QAM      | 1       | 0         | 21.23               | 21.35                | 21.27                |                     |          |  |  |
| 15              | 16QAM      | 1       | 37        | 21.19               | 21.21                | 21.17                |                     |          |  |  |
| 15              | 16QAM      | 1       | 74        | 21.25               | 21.35                | 21.12                | 22                  | 2        |  |  |
| 15              | 16QAM      | 36      | 0         | 20.19               | 20.09                | 20.14                |                     |          |  |  |
| 15              | 16QAM      | 36      | 20        | 20.20               | 20.31                | 20.12                |                     |          |  |  |
| 15              | 16QAM      | 36      | 39        | 20.25               | 20.30                | 20.15                | 22                  | 2        |  |  |
| 15              | 16QAM      | 75      | 0         | 20.12               | 20.24                | 20.10                |                     |          |  |  |
| 15              | 64QAM      | 1       | 0         | 20.20               | 20.27                | 20.14                |                     |          |  |  |
| 15              | 64QAM      | 1       | 37        | 20.09               | 20.27                | 20.31                | 22                  | 2        |  |  |
| 15              | 64QAM      | 1       | 74        | 20.08               | 20.21                | 20.22                |                     |          |  |  |
| 15              | 64QAM      | 36      | 0         | 19.23               | 19.41                | 19.21                |                     |          |  |  |
| 15              | 64QAM      | 36      | 20        | 19.34               | 19.21                | 19.18                | 21                  | 3        |  |  |
| 15              | 64QAM      | 36      | 39        | 19.29               | 19.31                | 19.30                |                     |          |  |  |
| 15              | 64QAM      | 75      | 0         | 19.38               | 19.25                | 19.29                |                     |          |  |  |
| 15              | 256QAM     | 1       | 0         | 17.37               | 17.40                | 17.23                | 19                  | 5        |  |  |
| 15              | 256QAM     | 1       | 37        | 17.38               | 17.35                | 17.29                |                     |          |  |  |
| 15              | 256QAM     | 1       | 74        | 17.27               | 17.29                | 17.33                |                     |          |  |  |
| 15              | 256QAM     | 36      | 0         | 17.42               | 17.26                | 17.33                | 19                  | 5        |  |  |
| 15              | 256QAM     | 36      | 20        | 17.26               | 17.41                | 17.41                |                     |          |  |  |
| 15              | 256QAM     | 36      | 39        | 17.44               | 17.41                | 17.35                |                     |          |  |  |
| 15              | 256QAM     | 75      | 0         | 17.21               | 17.38                | 17.32                |                     |          |  |  |
| Channel         |            |         |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 22.19               | 22.47                | 22.44                | 24                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 22.21               | 22.34                | 22.33                |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 22.15               | 22.32                | 22.17                |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 21.30               | 21.33                | 21.30                | 23                  | 1        |  |  |
| 10              | QPSK       | 25      | 12        | 21.11               | 21.30                | 21.12                |                     |          |  |  |
| 10              | QPSK       | 25      | 25        | 21.12               | 21.28                | 21.28                |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 21.15               | 21.27                | 21.22                | 23                  | 1        |  |  |
| 10              | 16QAM      | 1       | 0         | 21.21               | 21.38                | 21.26                |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 21.14               | 21.15                | 21.11                |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 21.27               | 21.39                | 21.13                | 22                  | 2        |  |  |
| 10              | 16QAM      | 25      | 0         | 20.20               | 20.07                | 20.09                |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 20.20               | 20.26                | 20.10                |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 20.23               | 20.30                | 20.18                | 22                  | 2        |  |  |
| 10              | 16QAM      | 50      | 0         | 20.12               | 20.23                | 20.07                |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 20.15               | 20.27                | 20.15                |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 20.06               | 20.21                | 20.31                | 22                  | 2        |  |  |
| 10              | 64QAM      | 1       | 49        | 20.08               | 20.25                | 20.26                |                     |          |  |  |
| 10              | 64QAM      | 25      | 0         | 19.24               | 19.43                | 19.24                |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 19.31               | 19.22                | 19.19                | 21                  | 3        |  |  |
| 10              | 64QAM      | 25      | 25        | 19.28               | 19.30                | 19.30                |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 19.39               | 19.24                | 19.28                |                     |          |  |  |
| 10              | 256QAM     | 1       | 0         | 17.37               | 17.42                | 17.26                | 19                  | 5        |  |  |
| 10              | 256QAM     | 1       | 25        | 17.38               | 17.34                | 17.28                |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 17.27               | 17.28                | 17.33                |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 17.43               | 17.26                | 17.34                | 19                  | 5        |  |  |
| 10              | 256QAM     | 25      | 12        | 17.26               | 17.45                | 17.46                |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 17.41               | 17.40                | 17.31                |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 17.21               | 17.37                | 17.35                |                     |          |  |  |
| Channel         |            |         |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 22.02               | 22.43                | 22.42                | 24                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 22.19               | 22.33                | 22.28                |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 22.11               | 22.31                | 22.18                |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 21.30               | 21.31                | 21.27                | 23                  | 1        |  |  |
| 5               | QPSK       | 12      | 7         | 21.14               | 21.28                | 21.13                |                     |          |  |  |
| 5               | QPSK       | 12      | 13        | 21.11               | 21.27                | 21.24                |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 21.11               | 21.22                | 21.23                | 23                  | 1        |  |  |
| 5               | 16QAM      | 1       | 0         | 21.21               | 21.34                | 21.24                |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 21.17               | 21.16                | 21.12                |                     |          |  |  |
| 5               | 16QAM      | 1       | 24        | 21.28               | 21.35                | 21.13                | 22                  | 2        |  |  |
| 5               | 16QAM      | 12      | 0         | 20.17               | 20.08                | 20.12                |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 20.20               | 20.26                | 20.14                |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 20.23               | 20.27                | 20.19                | 22                  | 2        |  |  |
| 5               | 16QAM      | 25      | 0         | 20.13               | 20.23                | 20.10                |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 20.14               | 20.26                | 20.11                |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 20.09               | 20.24                | 20.30                | 22                  | 2        |  |  |
| 5               | 64QAM      | 1       | 24        | 20.05               | 20.23                | 20.28                |                     |          |  |  |
| 5               | 64QAM      | 12      | 0         | 19.22               | 19.40                | 19.22                |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 19.34               | 19.23                | 19.21                | 21                  | 3        |  |  |
| 5               | 64QAM      | 12      | 13        | 19.30               | 19.29                | 19.32                |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 19.36               | 19.20                | 19.24                |                     |          |  |  |
| 5               | 256QAM     | 1       | 0         | 17.35               | 17.36                | 17.23                | 19                  | 5        |  |  |
| 5               | 256QAM     | 1       | 12        | 17.36               | 17.33                | 17.32                |                     |          |  |  |
| 5               | 256QAM     | 1       | 24        | 17.26               | 17.29                | 17.33                |                     |          |  |  |
| 5               | 256QAM     | 12      | 0         | 17.40               | 17.24                | 17.36                | 19                  | 5        |  |  |
| 5               | 256QAM     | 12      | 7         | 17.27               | 17.44                | 17.45                |                     |          |  |  |
| 5               | 256QAM     | 12      | 13        | 17.41               | 17.44                | 17.33                |                     |          |  |  |
| 5               | 256QAM     | 25      | 0         | 17.20               | 17.35                | 17.35                |                     |          |  |  |



| Band 7 Ant 7    |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 20650                 | 21100                    | 21350                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 0         | 20.41                 | 20.49                    | 20.41                  | 22                  | 0        |  |
| 20              | QPSK       | 1       | 49        | 20.21                 | 20.24                    | 20.16                  |                     |          |  |
| 20              | QPSK       | 1       | 99        | 20.25                 | 20.44                    | 20.39                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 19.27                 | 19.43                    | 19.35                  | 21                  | 1        |  |
| 20              | QPSK       | 50      | 24        | 19.37                 | 19.41                    | 19.40                  |                     |          |  |
| 20              | QPSK       | 50      | 50        | 19.33                 | 19.38                    | 19.26                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 19.24                 | 19.50                    | 19.39                  | 21                  | 1        |  |
| 20              | 16QAM      | 1       | 0         | 19.37                 | 19.40                    | 19.28                  |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 19.20                 | 19.35                    | 19.22                  |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 19.24                 | 19.30                    | 19.25                  | 20                  | 2        |  |
| 20              | 16QAM      | 50      | 0         | 18.18                 | 18.33                    | 18.32                  |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 18.31                 | 18.34                    | 18.18                  |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 18.26                 | 18.35                    | 18.28                  | 20                  | 2        |  |
| 20              | 16QAM      | 100     | 0         | 18.38                 | 18.31                    | 18.27                  |                     |          |  |
| 20              | 64QAM      | 1       | 0         | 18.31                 | 18.17                    | 18.26                  |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 18.25                 | 18.23                    | 18.14                  | 20                  | 2        |  |
| 20              | 64QAM      | 1       | 99        | 18.30                 | 18.16                    | 18.20                  |                     |          |  |
| 20              | 64QAM      | 50      | 0         | 17.26                 | 17.44                    | 17.40                  |                     |          |  |
| 20              | 64QAM      | 50      | 24        | 17.43                 | 17.34                    | 17.28                  | 19                  | 3        |  |
| 20              | 64QAM      | 50      | 50        | 17.22                 | 17.44                    | 17.42                  |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 17.42                 | 17.22                    | 17.38                  |                     |          |  |
| 20              | 256QAM     | 1       | 0         | 15.33                 | 15.27                    | 15.39                  | 17                  | 5        |  |
| 20              | 256QAM     | 1       | 49        | 15.39                 | 15.36                    | 15.30                  |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 15.31                 | 15.23                    | 15.46                  |                     |          |  |
| 20              | 256QAM     | 50      | 0         | 15.35                 | 15.38                    | 15.38                  | 17                  | 5        |  |
| 20              | 256QAM     | 50      | 24        | 15.36                 | 15.22                    | 15.26                  |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 15.45                 | 15.28                    | 15.32                  |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 15.36                 | 15.37                    | 15.41                  |                     |          |  |
| Channel         |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 0         | 20.39                 | 20.46                    | 20.38                  | 22                  | 0        |  |
| 15              | QPSK       | 1       | 37        | 20.18                 | 20.25                    | 20.22                  |                     |          |  |
| 15              | QPSK       | 1       | 74        | 20.30                 | 20.43                    | 20.37                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 19.25                 | 19.44                    | 19.30                  | 21                  | 1        |  |
| 15              | QPSK       | 36      | 20        | 19.34                 | 19.38                    | 19.36                  |                     |          |  |
| 15              | QPSK       | 36      | 39        | 19.30                 | 19.39                    | 19.27                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 19.24                 | 19.51                    | 19.37                  | 21                  | 1        |  |
| 15              | 16QAM      | 1       | 0         | 19.40                 | 19.43                    | 19.24                  |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 19.20                 | 19.36                    | 19.22                  |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 19.23                 | 19.30                    | 19.23                  | 20                  | 2        |  |
| 15              | 16QAM      | 36      | 0         | 18.16                 | 18.31                    | 18.32                  |                     |          |  |
| 15              | 16QAM      | 36      | 20        | 18.28                 | 18.38                    | 18.17                  |                     |          |  |
| 15              | 16QAM      | 36      | 39        | 18.25                 | 18.31                    | 18.23                  | 20                  | 2        |  |
| 15              | 16QAM      | 75      | 0         | 18.35                 | 18.33                    | 18.29                  |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 18.28                 | 18.17                    | 18.27                  |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 18.25                 | 18.24                    | 18.13                  | 19                  | 3        |  |
| 15              | 64QAM      | 1       | 74        | 18.33                 | 18.20                    | 18.17                  |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 17.28                 | 17.44                    | 17.38                  |                     |          |  |
| 15              | 64QAM      | 36      | 20        | 17.38                 | 17.32                    | 17.30                  | 19                  | 3        |  |
| 15              | 64QAM      | 36      | 39        | 17.24                 | 17.41                    | 17.38                  |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 17.44                 | 17.24                    | 17.34                  |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 15.35                 | 15.24                    | 15.36                  | 17                  | 5        |  |
| 15              | 256QAM     | 1       | 37        | 15.41                 | 15.37                    | 15.28                  |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 15.30                 | 15.24                    | 15.43                  |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 15.32                 | 15.39                    | 15.37                  | 17                  | 5        |  |
| 15              | 256QAM     | 36      | 20        | 15.34                 | 15.24                    | 15.29                  |                     |          |  |
| 15              | 256QAM     | 36      | 39        | 15.46                 | 15.30                    | 15.35                  |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 15.39                 | 15.38                    | 15.42                  |                     |          |  |
| Channel         |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 0         | 20.39                 | 20.46                    | 20.35                  | 22                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 20.30                 | 20.25                    | 20.19                  |                     |          |  |
| 10              | QPSK       | 1       | 49        | 20.26                 | 20.40                    | 20.38                  |                     |          |  |
| 10              | QPSK       | 25      | 0         | 19.25                 | 19.40                    | 19.31                  | 21                  | 1        |  |
| 10              | QPSK       | 25      | 12        | 19.38                 | 19.36                    | 19.40                  |                     |          |  |
| 10              | QPSK       | 25      | 25        | 19.32                 | 19.37                    | 19.25                  |                     |          |  |
| 10              | QPSK       | 50      | 0         | 19.23                 | 19.51                    | 19.40                  | 21                  | 1        |  |
| 10              | 16QAM      | 1       | 0         | 19.41                 | 19.41                    | 19.29                  |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 19.24                 | 19.37                    | 19.21                  |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 19.25                 | 19.30                    | 19.24                  | 20                  | 2        |  |
| 10              | 16QAM      | 25      | 0         | 18.17                 | 18.28                    | 18.32                  |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 18.28                 | 18.37                    | 18.18                  |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 18.21                 | 18.34                    | 18.24                  | 20                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 18.34                 | 18.32                    | 18.27                  |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 18.30                 | 18.19                    | 18.23                  |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 18.21                 | 18.19                    | 18.10                  | 20                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 18.33                 | 18.19                    | 18.19                  |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 17.30                 | 17.43                    | 17.42                  |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 17.42                 | 17.31                    | 17.27                  | 19                  | 3        |  |
| 10              | 64QAM      | 25      | 25        | 17.22                 | 17.43                    | 17.43                  |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 17.44                 | 17.25                    | 17.37                  |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 15.36                 | 15.24                    | 15.40                  | 17                  | 5        |  |
| 10              | 256QAM     | 1       | 25        | 15.38                 | 15.36                    | 15.29                  |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 15.30                 | 15.24                    | 15.44                  |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 15.33                 | 15.37                    | 15.39                  | 17                  | 5        |  |
| 10              | 256QAM     | 25      | 12        | 15.38                 | 15.25                    | 15.30                  |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 15.43                 | 15.30                    | 15.31                  |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 15.41                 | 15.37                    | 15.43                  |                     |          |  |
| Channel         |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 0         | 20.38                 | 20.43                    | 20.37                  | 22                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 20.21                 | 20.24                    | 20.19                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 20.29                 | 20.42                    | 20.41                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 19.24                 | 19.44                    | 19.33                  | 21                  | 1        |  |
| 5               | QPSK       | 12      | 7         | 19.35                 | 19.38                    | 19.37                  |                     |          |  |
| 5               | QPSK       | 12      | 13        | 19.34                 | 19.40                    | 19.26                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 19.28                 | 19.50                    | 19.39                  | 21                  | 1        |  |
| 5               | 16QAM      | 1       | 0         | 19.40                 | 19.44                    | 19.24                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 19.23                 | 19.36                    | 19.20                  |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 19.25                 | 19.29                    | 19.24                  | 20                  | 2        |  |
| 5               | 16QAM      | 12      | 0         | 18.16                 | 18.34                    | 18.33                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 18.27                 | 18.35                    | 18.20                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 18.23                 | 18.31                    | 18.29                  | 20                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 18.37                 | 18.28                    | 18.24                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 18.28                 | 18.20                    | 18.21                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 18.22                 | 18.18                    | 18.11                  | 20                  | 2        |  |
| 5               | 64QAM      | 1       | 24        | 18.32                 | 18.19                    | 18.18                  |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 17.29                 | 17.41                    | 17.40                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 17.42                 | 17.31                    | 17.27                  | 19                  | 3        |  |
| 5               | 64QAM      | 12      | 13        | 17.18                 | 17.41                    | 17.38                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 17.43                 | 17.25                    | 17.35                  |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 15.35                 | 15.22                    | 15.37                  | 17                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 15.43                 | 15.33                    | 15.31                  |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 15.27                 | 15.26                    | 15.42                  |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 15.31                 | 15.38                    | 15.37                  | 17                  | 5        |  |
| 5               | 256QAM     | 12      | 7         | 15.33                 | 15.23                    | 15.30                  |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 15.42                 | 15.29                    | 15.35                  |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 15.37                 | 15.38                    | 15.43                  |                     |          |  |







## Full&amp;Default Power Mode/Reduced Power Mode for DSI3&amp;4

| n2 Ant 0        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 372000                | 376000                   | 380000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | Plz BPSK   | 1       | 1         | 22.37                 | 22.53                    | 22.43                  | 24.0                | 0.0      |
| 20              | Plz BPSK   | 1       | 53        | 22.35                 | 22.49                    | 22.44                  |                     |          |
| 20              | Plz BPSK   | 1       | 104       | 22.32                 | 22.40                    | 22.33                  | 23.5                | 0.5      |
| 20              | Plz BPSK   | 50      | 0         | 21.90                 | 21.97                    | 21.97                  |                     |          |
| 20              | Plz BPSK   | 50      | 28        | 22.42                 | 22.49                    | 22.33                  | 24.0                | 0.0      |
| 20              | Plz BPSK   | 50      | 56        | 21.75                 | 21.91                    | 21.86                  | 23.5                | 0.5      |
| 20              | Plz BPSK   | 100     | 0         | 21.92                 | 21.94                    | 21.89                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.52                 | 22.56                    | 22.56                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.49                 | 22.56                    | 22.42                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.38                 | 22.53                    | 22.42                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.51                 | 21.58                    | 21.55                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.36                 | 22.54                    | 22.40                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.48                 | 21.54                    | 21.40                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.55                 | 21.60                    | 21.47                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.50                 | 21.61                    | 21.50                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.96                 | 20.12                    | 20.07                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.03                 | 18.17                    | 18.04                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371900                | 376000                   | 380500                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.33                 | 22.55                    | 22.44                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1865                  | 1880                     | 1905                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.33                 | 22.44                    | 22.44                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.34                 | 22.40                    | 22.32                  | 24.0                | 0.0      |

| n5 Ant 0        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 166000                | 167300                   | 167800                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 838                    |                     |          |
| 20              | Plz BPSK   | 1       | 1         | 22.59                 | 22.73                    | 22.58                  | 24.0                | 0.0      |
| 20              | Plz BPSK   | 1       | 53        | 22.58                 | 22.68                    | 22.60                  |                     |          |
| 20              | Plz BPSK   | 1       | 104       | 22.56                 | 22.61                    | 22.46                  | 23.5                | 0.5      |
| 20              | Plz BPSK   | 50      | 0         | 22.10                 | 22.16                    | 22.12                  |                     |          |
| 20              | Plz BPSK   | 50      | 28        | 22.55                 | 22.64                    | 22.50                  | 24.0                | 0.0      |
| 20              | Plz BPSK   | 50      | 56        | 21.99                 | 22.04                    | 22.02                  | 23.5                | 0.5      |
| 20              | Plz BPSK   | 100     | 0         | 21.96                 | 22.11                    | 21.96                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.72                 | 22.80                    | 22.70                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.59                 | 22.72                    | 22.59                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.61                 | 22.67                    | 22.63                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.67                 | 21.71                    | 21.56                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.64                 | 22.72                    | 22.62                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.50                 | 21.62                    | 21.54                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.57                 | 21.68                    | 21.59                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.71                 | 21.80                    | 21.81                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.29                 | 20.39                    | 20.27                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.38                 | 18.43                    | 18.33                  | 19.5                | 4.5      |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.62                 | 22.64                    | 22.61                  | 24.0                | 0.0      |
| Channel         |            |         |           | 165300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.57                 | 22.62                    | 22.52                  | 24.0                | 0.0      |
| Channel         |            |         |           | 165300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.62                 | 22.74                    | 22.58                  | 24.0                | 0.0      |

| n12 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 141300                | 141500                   | 141700                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |          |
| 15              | Plz BPSK   | 1       | 1         | 22.36                 | 22.40                    | 22.12                  | 24.0                | 0.0      |
| 15              | Plz BPSK   | 1       | 40        | 22.03                 | 22.22                    | 22.20                  |                     |          |
| 15              | Plz BPSK   | 1       | 77        | 22.28                 | 22.37                    | 22.09                  | 23.5                | 0.5      |
| 15              | Plz BPSK   | 36      | 0         | 21.60                 | 21.65                    | 21.55                  |                     |          |
| 15              | Plz BPSK   | 36      | 22        | 22.15                 | 22.33                    | 22.12                  | 24.0                | 0.0      |
| 15              | Plz BPSK   | 36      | 43        | 21.58                 | 21.79                    | 21.61                  | 23.5                | 0.5      |
| 15              | Plz BPSK   | 75      | 0         | 21.63                 | 21.65                    | 21.61                  |                     |          |
| 15              | QPSK       | 1       | 1         | 22.26                 | 22.41                    | 22.32                  | 24.0                | 0.0      |
| 15              | QPSK       | 1       | 40        | 22.05                 | 22.35                    | 22.20                  |                     |          |
| 15              | QPSK       | 1       | 77        | 22.32                 | 22.24                    | 22.20                  | 23.0                | 1.0      |
| 15              | QPSK       | 36      | 0         | 21.24                 | 21.28                    | 21.09                  |                     |          |
| 15              | QPSK       | 36      | 22        | 22.32                 | 22.33                    | 22.16                  | 24.0                | 0.0      |
| 15              | QPSK       | 36      | 43        | 21.22                 | 21.27                    | 21.17                  | 23.0                | 1.0      |
| 15              | QPSK       | 75      | 0         | 21.05                 | 21.27                    | 21.15                  |                     |          |
| 15              | 16QAM      | 1       | 1         | 21.34                 | 21.57                    | 21.33                  | 23.0                | 1.0      |
| 15              | 64QAM      | 1       | 1         | 19.75                 | 20.02                    | 19.77                  | 21.5                | 2.5      |
| 15              | 256QAM     | 1       | 1         | 17.92                 | 18.05                    | 17.83                  | 19.5                | 4.5      |
| Channel         |            |         |           | 140800                | 141500                   | 142000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.09                 | 22.14                    | 22.15                  | 24.0                | 0.0      |
| Channel         |            |         |           | 140300                | 141500                   | 142000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.07                 | 22.28                    | 22.12                  | 24.0                | 0.0      |

| n25 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MFR (dB) |
| Channel         |            |         |           | 372000                | 376000                   | 381000                 |                     |          |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |          |
| 20              | Plz2 BPSK  | 1       | 1         | 22.66                 | 22.61                    | 22.68                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 1       | 53        | 22.83                 | 22.60                    | 22.79                  |                     |          |
| 20              | Plz2 BPSK  | 1       | 104       | 22.86                 | 22.63                    | 22.84                  |                     |          |
| 20              | Plz2 BPSK  | 50      | 0         | 22.26                 | 22.13                    | 22.33                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 50      | 28        | 22.85                 | 22.62                    | 22.63                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 50      | 56        | 22.30                 | 22.31                    | 22.30                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 100     | 0         | 22.22                 | 22.31                    | 22.32                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.63                 | 22.66                    | 22.73                  |                     |          |
| 20              | QPSK       | 1       | 53        | 22.63                 | 22.74                    | 22.73                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 104       | 22.65                 | 22.68                    | 22.62                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.77                 | 21.77                    | 21.73                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 22.65                 | 22.73                    | 22.71                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.71                 | 21.86                    | 21.85                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.65                 | 21.81                    | 21.80                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.76                 | 21.83                    | 21.81                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.20                 | 20.13                    | 20.24                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.21                 | 18.14                    | 18.12                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371800                | 376000                   | 381600                 | Tune-up limit       | MFR      |
| Frequency (MHz) |            |         |           | 1867.5                | 1882.5                   | 1907.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.58                 | 22.71                    | 22.58                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 380000                 | Tune-up limit       | MFR      |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1910                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.66                 | 22.62                    | 22.67                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371600                | 376000                   | 380500                 | Tune-up limit       | MFR      |
| Frequency (MHz) |            |         |           | 1862.5                | 1882.5                   | 1912.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.76                 | 22.71                    | 22.52                  | 24.0                | 0.0      |

| n66 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MFR (dB) |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 |                     |          |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20              | Plz2 BPSK  | 1       | 1         | 22.16                 | 22.27                    | 22.15                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 1       | 53        | 22.21                 | 22.21                    | 22.17                  |                     |          |
| 20              | Plz2 BPSK  | 1       | 104       | 22.04                 | 22.21                    | 22.13                  |                     |          |
| 20              | Plz2 BPSK  | 50      | 0         | 21.55                 | 21.65                    | 21.64                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 50      | 28        | 22.06                 | 22.23                    | 22.08                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 50      | 56        | 21.56                 | 21.66                    | 21.51                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 100     | 0         | 21.56                 | 21.53                    | 21.60                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.25                 | 22.28                    | 22.22                  |                     |          |
| 20              | QPSK       | 1       | 53        | 22.18                 | 22.32                    | 22.21                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 104       | 22.16                 | 22.24                    | 22.22                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.12                 | 21.24                    | 21.21                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 22.25                 | 22.35                    | 22.18                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.05                 | 21.16                    | 21.03                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.17                 | 21.20                    | 21.14                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.23                 | 21.39                    | 21.18                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.62                 | 19.86                    | 19.72                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 17.64                 | 17.81                    | 17.73                  | 19.5                | 4.5      |
| Channel         |            |         |           | 343800                | 349000                   | 354500                 | Tune-up limit       | MFR      |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.20                 | 22.31                    | 22.12                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343000                | 349000                   | 350000                 | Tune-up limit       | MFR      |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.19                 | 22.22                    | 22.14                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343000                | 349000                   | 350500                 | Tune-up limit       | MFR      |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.08                 | 22.21                    | 22.13                  | 24.0                | 0.0      |



| n5 Ant 1        |            |         |           |                                                                                                |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|------------------------------------------------------------------------------------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                                                                                            | 836.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.11                                                                                          | 22.22                    | 22.14                  | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.07                                                                                          | 22.15                    | 22.09                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.09                                                                                          | 22.12                    | 22.08                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.53                                                                                          | 21.55                    | 21.52                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.01                                                                                          | 22.17                    | 22.07                  | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 58        | 21.51                                                                                          | 21.53                    | 21.54                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.58                                                                                          | 21.53                    | 21.51                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.18                                                                                          | 22.28                    | 22.18                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.12                                                                                          | 22.24                    | 22.17                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.10                                                                                          | 22.18                    | 22.10                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 21.11                                                                                          | 21.19                    | 21.09                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 22.05                                                                                          | 22.19                    | 22.07                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 21.01                                                                                          | 21.04                    | 21.02                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.02                                                                                          | 21.10                    | 21.07                  | 22.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.18                                                                                          | 21.12                    | 21.26                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 19.70                                                                                          | 19.51                    | 19.64                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.74                                                                                          | 17.73                    | 17.64                  | 18.5                | 4.5      |  |
| Channel         |            |         |           | 166300                                                                                         | 167300                   | 166300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                                                                                          | 836.5                    | 841.5                  | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.07                                                                                          | 22.14                    | 22.10                  |                     |          |  |
| Channel         |            |         |           | 165800                                                                                         | 167300                   | 166800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 820 <th>836.5</th> <th>844</th> <th rowspan="2">23.0</th> <th colspan="2" rowspan="2">0.0</th> | 836.5                    | 844                    | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.01                                                                                          | 22.10                    | 22.07                  |                     |          |  |
| Channel         |            |         |           | 165300                                                                                         | 167300                   | 166300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                                                                                          | 836.5                    | 846.5                  | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.15                                                                                          | 22.22                    | 22.15                  |                     |          |  |

| n7 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 502000                | 507000                   | 512000                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.12                 | 22.26                    | 22.17                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.13                 | 22.24                    | 22.17                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.11                 | 22.15                    | 22.06                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.51                 | 21.56                    | 21.53                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.12                 | 22.24                    | 22.10                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 58        | 21.54                 | 21.53                    | 21.56                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.51                 | 21.52                    | 21.61                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.30                 | 22.35                    | 22.22                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.18                 | 22.31                    | 22.27                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.15                 | 22.24                    | 22.15                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.05                 | 21.19                    | 21.18                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.15                 | 22.25                    | 22.18                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 21.01                 | 21.08                    | 21.05                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.02                 | 21.13                    | 21.05                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.15                 | 21.22                    | 21.12                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.60                 | 19.76                    | 19.74                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.59                 | 17.68                    | 17.53                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.11                 | 22.29                    | 22.13                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.15                 | 22.25                    | 22.12                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.11                 | 22.18                    | 22.08                  |                     |          |  |

| n12 Ant 1       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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         |            |         |           | 141300                   | 141500                      | 141700                    | 23.0                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 706.5                    | 707.5                       | 708.5                     |                        |             |  |
| 15              | PI2 BPSK   | 1       | 1         | 21.90                    | 22.07                       | 21.73                     |                        |             |  |
| 15              | PI2 BPSK   | 1       | 40        | 21.67                    | 21.97                       | 21.86                     |                        |             |  |
| 15              | PI2 BPSK   | 1       | 77        | 21.89                    | 21.87                       | 21.99                     | 22.5                   | 0.5         |  |
| 15              | PI2 BPSK   | 36      | 0         | 21.12                    | 21.22                       | 21.17                     |                        |             |  |
| 15              | PI2 BPSK   | 36      | 22        | 21.84                    | 21.88                       | 21.78                     |                        |             |  |
| 15              | PI2 BPSK   | 36      | 43        | 21.32                    | 21.32                       | 21.08                     |                        |             |  |
| 15              | PI2 BPSK   | 75      | 0         | 21.33                    | 21.35                       | 21.24                     | 23.0                   | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 21.81                    | 22.06                       | 22.00                     |                        |             |  |
| 15              | QPSK       | 1       | 40        | 21.85                    | 21.93                       | 21.72                     |                        |             |  |
| 15              | QPSK       | 1       | 77        | 21.83                    | 21.94                       | 21.90                     |                        |             |  |
| 15              | QPSK       | 36      | 0         | 20.73                    | 20.75                       | 20.81                     | 22.0                   | 1.0         |  |
| 15              | QPSK       | 36      | 22        | 21.70                    | 21.96                       | 21.70                     |                        |             |  |
| 15              | QPSK       | 36      | 43        | 20.78                    | 20.92                       | 20.64                     |                        |             |  |
| 15              | QPSK       | 75      | 0         | 20.68                    | 20.89                       | 20.72                     |                        |             |  |
| 15              | 16QAM      | 1       | 1         | 21.03                    | 21.19                       | 21.11                     | 22.0                   | 1.0         |  |
| 15              | 64QAM      | 1       | 1         | 19.48                    | 19.52                       | 19.48                     |                        |             |  |
| 15              | 256QAM     | 1       | 1         | 17.32                    | 17.58                       | 17.30                     |                        |             |  |
| Channel         |            |         |           | 140300                   | 141500                      | 142200                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 704                      | 707.5                       | 711                       | 23.0                   | 0.0         |  |
| 10              | QPSK       | 1       | 1         | 21.24                    | 21.39                       | 21.42                     |                        |             |  |
| Channel         |            |         |           | 140300                   | 141500                      | 142700                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 701.5                    | 707.5                       | 713.5                     | 23.0                   | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 21.28                    | 21.38                       | 21.39                     |                        |             |  |



| n38 Ant 1       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                   | 518000                      | 519998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2580.02                  | 2595                        | 2599.98                   |                        |             |  |
| 40              | PQ2 BPSK   | 1       | 1         | 21.10                    | 21.45                       | 21.26                     |                        |             |  |
| 40              | PQ2 BPSK   | 1       | 53        | 21.42                    | 21.60                       | 21.29                     | 23.0                   | 0.0         |  |
| 40              | PQ2 BPSK   | 1       | 104       | 21.07                    | 21.51                       | 21.21                     |                        |             |  |
| 40              | PQ2 BPSK   | 50      | 0         | 20.82                    | 21.09                       | 20.82                     | 22.5                   | 0.5         |  |
| 40              | PQ2 BPSK   | 50      | 28        | 21.25                    | 21.30                       | 21.23                     | 23.0                   | 0.0         |  |
| 40              | PQ2 BPSK   | 50      | 58        | 20.55                    | 21.21                       | 20.76                     |                        |             |  |
| 40              | PQ2 BPSK   | 100     | 0         | 20.59                    | 21.07                       | 20.79                     | 22.5                   | 0.5         |  |
| 40              | QPSK       | 1       | 1         | 21.11                    | 21.65                       | 21.34                     |                        |             |  |
| 40              | QPSK       | 1       | 53        | 21.12                    | 21.16                       | 21.10                     | 23.0                   | 0.0         |  |
| 40              | QPSK       | 1       | 104       | 21.19                    | 21.36                       | 21.51                     |                        |             |  |
| 40              | QPSK       | 50      | 0         | 20.28                    | 20.29                       | 20.11                     | 22.0                   | 1.0         |  |
| 40              | QPSK       | 50      | 28        | 21.32                    | 21.39                       | 21.13                     | 23.0                   | 0.0         |  |
| 40              | QPSK       | 50      | 58        | 20.21                    | 20.09                       | 20.10                     |                        |             |  |
| 40              | QPSK       | 100     | 0         | 20.22                    | 20.33                       | 20.17                     | 22.0                   | 1.0         |  |
| 40              | 16QAM      | 1       | 1         | 20.29                    | 20.09                       | 20.04                     | 22.0                   | 1.0         |  |
| 40              | 64QAM      | 1       | 1         | 18.83                    | 18.83                       | 18.67                     | 20.5                   | 2.5         |  |
| 40              | 256QAM     | 1       | 1         | 16.75                    | 16.75                       | 16.64                     | 18.5                   | 4.5         |  |
| Channel         |            |         |           | 517002                   | 518000                      | 520000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2585.01                  | 2595                        | 2604.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 21.05                    | 21.54                       | 21.23                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 516000                   | 516000                      | 522000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 21.08                    | 21.54                       | 21.21                     | 23.0                   | 0.0         |  |

| n41 Ant 1       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 1         | 21.31                    | 21.64                       | 21.45                     |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 137       | 21.17                    | 21.75                       | 21.53                     | 23.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 1       | 271       | 21.29                    | 21.76                       | 21.38                     |                        |             |  |
| 100             | PQ2 BPSK   | 135     | 0         | 20.88                    | 21.27                       | 21.07                     | 22.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 135     | 69        | 21.18                    | 21.54                       | 21.43                     | 23.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 135     | 138       | 20.78                    | 21.39                       | 20.98                     | 22.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 270     | 0         | 20.76                    | 21.24                       | 21.06                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 21.33                    | 21.80                       | 21.52                     |                        |             |  |
| 100             | QPSK       | 1       | 137       | 21.27                    | 21.41                       | 21.17                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 271       | 21.44                    | 21.53                       | 21.65                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 20.47                    | 20.52                       | 20.34                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 21.46                    | 21.54                       | 21.39                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 20.42                    | 20.31                       | 20.14                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 20.47                    | 20.51                       | 20.35                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 20.47                    | 20.29                       | 20.24                     | 22.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 19.02                    | 19.07                       | 18.88                     | 20.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 16.91                    | 16.92                       | 16.84                     | 18.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 520598                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 21.24                    | 21.51                       | 21.33                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2536.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 21.04                    | 21.67                       | 21.41                     | 23.0                   | 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         | 21.23                    | 21.64                       | 21.27                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2526                     | 2592.99                     | 2659.99                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 21.20                    | 21.51                       | 21.34                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2654.99                   |                        |             |  |
| 50              | QPSK       | 1       | 1         | 21.08                    | 21.46                       | 21.35                     | 23.0                   | 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         | 21.05                    | 21.66                       | 21.38                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 502200                   | 518598                      | 534998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 21.19                    | 21.67                       | 21.23                     | 23.0                   | 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         | 21.19                    | 21.64                       | 21.24                     | 23.0                   | 0.0         |  |

| n41 HPUE Ant 1  |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 1         | 23.45                    | 23.50                       | 23.49                     |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 137       | 23.41                    | 23.64                       | 23.56                     | 25.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 1       | 271       | 23.45                    | 23.69                       | 23.47                     |                        |             |  |
| 100             | PQ2 BPSK   | 135     | 0         | 23.05                    | 23.10                       | 23.16                     | 24.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 135     | 69        | 23.32                    | 23.61                       | 23.59                     | 25.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 135     | 138       | 23.01                    | 23.09                       | 23.13                     | 24.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 270     | 0         | 23.00                    | 23.28                       | 23.14                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 23.34                    | 23.75                       | 23.66                     |                        |             |  |
| 100             | QPSK       | 1       | 137       | 23.44                    | 23.70                       | 23.67                     | 25.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 271       | 23.68                    | 23.34                       | 23.66                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 22.48                    | 22.62                       | 22.72                     | 24.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 23.33                    | 23.60                       | 23.57                     | 25.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 22.86                    | 22.64                       | 22.76                     | 24.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 22.19                    | 22.55                       | 22.49                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 22.63                    | 22.58                       | 22.75                     | 24.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 21.04                    | 21.17                       | 21.15                     | 22.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 18.15                    | 19.17                       | 19.28                     | 20.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 530998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 23.35                    | 23.41                       | 23.41                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 529998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2536.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 23.33                    | 23.52                       | 23.44                     | 25.0                   | 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         | 23.34                    | 23.58                       | 23.41                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2526                     | 2592.99                     | 2659.99                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 23.33                    | 23.42                       | 23.35                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2654.99                   |                        |             |  |
| 50              | QPSK       | 1       | 1         | 23.31                    | 23.52                       | 23.42                     | 25.0                   | 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         | 23.32                    | 23.55                       | 23.37                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 502200                   | 518598                      | 534998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 23.35                    | 23.60                       | 23.38                     | 25.0                   | 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         | 23.33                    | 23.50                       | 23.45                     | 25.0                   | 0.0         |  |



| n2 Ant 5        |            |         |           |                       |                          |                        |                                           |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|-------------------------------------------|----------|--|
| 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         |            |         |           | 372000                | 376000                   | 380000                 | 24.0                                      | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                                           |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.68                 | 22.60                    | 22.62                  |                                           |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.53                 | 22.68                    | 22.60                  |                                           |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.36                 | 22.42                    | 22.52                  | 23.5                                      | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.16                 | 22.02                    | 22.09                  | 23.5                                      | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.50                 | 22.56                    | 22.36                  | 24.0                                      | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 22.00                 | 22.05                    | 21.97                  | 23.5                                      | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.86                 | 21.99                    | 21.97                  | 24.0                                      | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.57                 | 22.76                    | 22.46                  |                                           |          |  |
| 20              | QPSK       | 1       | 53        | 22.46                 | 22.58                    | 22.56                  |                                           |          |  |
| 20              | QPSK       | 1       | 104       | 22.41                 | 22.71                    | 22.43                  |                                           |          |  |
| 20              | QPSK       | 50      | 0         | 21.48                 | 21.65                    | 21.66                  | 23.0                                      | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.50                 | 22.65                    | 22.46                  | 24.0                                      | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.31                 | 21.49                    | 21.41                  | 23.0                                      | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.66                 | 21.67                    | 21.53                  | 23.0                                      | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.48                 | 21.69                    | 21.40                  |                                           |          |  |
| 20              | 64QAM      | 1       | 1         | 20.11                 | 20.19                    | 20.13                  |                                           |          |  |
| 20              | 256QAM     | 1       | 1         | 18.34                 | 18.24                    | 18.27                  |                                           |          |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm)                       | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | 24.0 <th colspan="2" rowspan="2">0.0</th> | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.63                 | 22.69                    | 22.58                  |                                           |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm)                       | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1865                  | 1880                     | 1905                   |                                           |          |  |
| 10              | QPSK       | 1       | 1         | 22.48                 | 22.56                    | 22.39                  | 24.0                                      | 0.0      |  |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm)                       | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | 24.0 <th colspan="2" rowspan="2">0.0</th> | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.40                 | 22.48                    | 22.49                  |                                           |          |  |

| n7 Ant 5        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 502000                | 507000                   | 512000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.32                 | 22.49                    | 22.48                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.29                 | 22.41                    | 22.30                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.24                 | 22.39                    | 22.34                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.69                 | 21.71                    | 21.59                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.30                 | 22.40                    | 22.28                  | 24.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.56                 | 21.63                    | 21.61                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.54                 | 21.63                    | 21.62                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.36                 | 22.58                    | 22.55                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.35                 | 22.49                    | 22.38                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.35                 | 22.49                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.28                 | 21.37                    | 21.32                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.32                 | 22.39                    | 22.30                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.12                 | 21.25                    | 21.24                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.12                 | 21.31                    | 21.29                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.39                 | 21.46                    | 21.29                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 19.87                 | 19.87                    | 19.87                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.71                 | 17.83                    | 17.79                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2635                     | 2662.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.14                 | 22.31                    | 22.25                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2635                     | 2665                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.07                 | 22.21                    | 22.12                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2635                     | 2667.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.04                 | 22.20                    | 22.17                  |                     |          |  |

| n66 Ant 5       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 344000                | 349000                   | 354000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.12                 | 22.36                    | 22.19                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.21                 | 22.23                    | 22.19                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.04                 | 22.11                    | 22.02                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.53                 | 21.78                    | 21.58                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.13                 | 22.30                    | 22.15                  | 24.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 22.16                 | 21.60                    | 21.63                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.53                 | 21.58                    | 21.51                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.34                 | 22.37                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.12                 | 22.28                    | 22.19                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.17                 | 22.21                    | 22.17                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.13                 | 21.23                    | 21.06                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.28                 | 22.33                    | 22.21                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.02                 | 21.01                    | 21.03                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.03                 | 21.16                    | 21.15                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.21                 | 21.28                    | 21.18                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 19.83                 | 19.74                    | 19.75                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.84                 | 17.91                    | 17.89                  |                     |          |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.17                 | 22.33                    | 22.12                  |                     |          |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.21                 | 22.28                    | 22.13                  |                     |          |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.22                 | 22.31                    | 22.12                  |                     |          |  |



| n38 Ant 5       |            |         |           |                       |                          |                        |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |      |
| Channel         |            |         |           | 5190.02               | 5190.04                  | 5190.06                |      |
| Frequency (MHz) |            |         |           | 21.99                 | 22.02                    | 21.99                  |      |
| 40              | PI2 BPSK   | 1       | 1         |                       |                          |                        |      |
| 40              | PI2 BPSK   | 1       | 53        | 21.89                 | 21.96                    | 21.94                  | 23.0 |
| 40              | PI2 BPSK   | 1       | 104       | 21.86                 | 21.89                    | 21.80                  |      |
| 40              | PI2 BPSK   | 50      | 0         | 21.30                 | 21.43                    | 21.27                  | 22.5 |
| 40              | PI2 BPSK   | 50      | 28        | 21.89                 | 21.96                    | 21.90                  | 23.0 |
| 40              | PI2 BPSK   | 50      | 56        | 21.21                 | 21.34                    | 21.26                  | 22.5 |
| 40              | PI2 BPSK   | 100     | 0         | 21.21                 | 21.38                    | 21.30                  |      |
| 40              | QPSK       | 1       | 1         | 21.92                 | 22.09                    | 22.00                  |      |
| 40              | QPSK       | 1       | 53        | 21.96                 | 21.98                    | 21.98                  | 23.0 |
| 40              | QPSK       | 1       | 104       | 21.89                 | 21.95                    | 21.83                  |      |
| 40              | QPSK       | 50      | 0         | 20.79                 | 20.95                    | 20.83                  | 22.0 |
| 40              | QPSK       | 50      | 28        | 21.93                 | 22.01                    | 21.92                  | 23.0 |
| 40              | QPSK       | 50      | 56        | 20.70                 | 20.80                    | 20.72                  | 22.0 |
| 40              | QPSK       | 100     | 0         | 20.92                 | 20.98                    | 20.78                  | 22.0 |
| 40              | 16QAM      | 1       | 1         | 20.89                 | 21.05                    | 21.01                  | 22.0 |
| 40              | 64QAM      | 1       | 1         | 19.99                 | 19.96                    | 19.61                  | 20.5 |
| 40              | 256QAM     | 1       | 1         | 17.57                 | 17.51                    | 17.46                  | 18.5 |
| Channel         |            |         |           | 5192.02               | 5192.04                  | 5192.06                |      |
| Frequency (MHz) |            |         |           | 25.85.01              | 25.85                    | 25.84.99               |      |
| 30              | QPSK       | 1       | 1         | 21.86                 | 21.89                    | 21.84                  | 23.0 |
| Channel         |            |         |           | 5190.00               | 5190.00                  | 5200.00                |      |
| Frequency (MHz) |            |         |           | 25.80                 | 25.85                    | 26.10                  |      |
| 20              | QPSK       | 1       | 1         | 21.80                 | 21.85                    | 21.77                  | 23.0 |

| n41 Ant 5       |            |         |           |                       |                          |                        |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |      |
| Channel         |            |         |           | 5092.02               | 5189.98                  | 5280.00                |      |
| Frequency (MHz) |            |         |           | 25.46.01              | 25.92.99                 | 26.40                  |      |
| 100             | PI2 BPSK   | 1       | 1         | 22.07                 | 22.10                    | 22.11                  |      |
| 100             | PI2 BPSK   | 1       | 137       | 22.03                 | 22.07                    | 22.05                  | 23.0 |
| 100             | PI2 BPSK   | 1       | 271       | 21.95                 | 21.95                    | 22.00                  |      |
| 100             | PI2 BPSK   | 135     | 0         | 21.66                 | 21.65                    | 21.71                  | 22.5 |
| 100             | PI2 BPSK   | 135     | 69        | 22.07                 | 22.09                    | 22.06                  | 23.0 |
| 100             | PI2 BPSK   | 135     | 138       | 21.73                 | 21.76                    | 21.76                  | 22.5 |
| 100             | PI2 BPSK   | 270     | 0         | 21.80                 | 21.57                    | 21.55                  |      |
| 100             | QPSK       | 1       | 1         | 22.08                 | 22.13                    | 22.10                  |      |
| 100             | QPSK       | 1       | 137       | 22.11                 | 22.08                    | 22.08                  | 23.0 |
| 100             | QPSK       | 1       | 271       | 22.07                 | 22.02                    | 22.06                  |      |
| 100             | QPSK       | 135     | 0         | 21.01                 | 21.03                    | 21.00                  | 22.0 |
| 100             | QPSK       | 135     | 69        | 21.83                 | 21.67                    | 21.64                  | 23.0 |
| 100             | QPSK       | 135     | 138       | 21.19                 | 21.16                    | 21.18                  | 22.0 |
| 100             | QPSK       | 270     | 0         | 21.25                 | 21.20                    | 21.24                  |      |
| 100             | 16QAM      | 1       | 1         | 21.13                 | 21.13                    | 21.12                  | 22.0 |
| 100             | 64QAM      | 1       | 1         | 19.53                 | 19.52                    | 19.53                  | 20.5 |
| 100             | 256QAM     | 1       | 1         | 17.68                 | 17.67                    | 17.71                  | 18.5 |
| Channel         |            |         |           | 5092.00               | 5189.99                  | 5280.00                |      |
| Frequency (MHz) |            |         |           | 25.41                 | 25.92.99                 | 26.44.98               |      |
| 90              | QPSK       | 1       | 1         | 21.93                 | 21.90                    | 21.95                  | 23.0 |
| Channel         |            |         |           | 507.204               | 5189.98                  | 5299.99                |      |
| Frequency (MHz) |            |         |           | 25.31.02              | 25.92.99                 | 26.45.98               |      |
| 80              | QPSK       | 1       | 1         | 21.88                 | 21.85                    | 21.90                  | 23.0 |
| Channel         |            |         |           | 5062.02               | 5189.98                  | 5310.00                |      |
| Frequency (MHz) |            |         |           | 25.31.01              | 25.92.99                 | 26.50                  |      |
| 70              | QPSK       | 1       | 1         | 21.19                 | 21.80                    | 21.77                  | 23.0 |
| Channel         |            |         |           | 5052.00               | 5189.98                  | 5319.98                |      |
| Frequency (MHz) |            |         |           | 25.26                 | 25.92.99                 | 26.59.98               |      |
| 60              | QPSK       | 1       | 1         | 21.93                 | 21.90                    | 21.94                  | 23.0 |
| Channel         |            |         |           | 502.205               | 5189.99                  | 5329.99                |      |
| Frequency (MHz) |            |         |           | 25.21.02              | 25.92.99                 | 26.64.99               |      |
| 50              | QPSK       | 1       | 1         | 21.87                 | 21.86                    | 21.90                  | 23.0 |
| Channel         |            |         |           | 502.002               | 5189.98                  | 5340.00                |      |
| Frequency (MHz) |            |         |           | 25.16.01              | 25.92.99                 | 26.70                  |      |
| 40              | QPSK       | 1       | 1         | 21.80                 | 21.78                    | 21.82                  | 23.0 |
| Channel         |            |         |           | 502.000               | 5189.98                  | 5349.99                |      |
| Frequency (MHz) |            |         |           | 25.11                 | 25.92.99                 | 26.74.98               |      |
| 30              | QPSK       | 1       | 1         | 21.87                 | 21.89                    | 21.89                  | 23.0 |
| Channel         |            |         |           | 501.204               | 5189.98                  | 5359.99                |      |
| Frequency (MHz) |            |         |           | 25.06.02              | 25.92.99                 | 26.79.99               |      |
| 20              | QPSK       | 1       | 1         | 21.93                 | 21.94                    | 21.91                  | 23.0 |

| n41 HPUE Ant 5  |            |         |           |                       |                          |                        |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |      |
| Channel         |            |         |           | 5092.02               | 5189.98                  | 5280.00                |      |
| Frequency (MHz) |            |         |           | 25.46.01              | 25.92.99                 | 26.40                  |      |
| 100             | PI2 BPSK   | 1       | 1         | 22.19                 | 24.02                    | 24.02                  |      |
| 100             | PI2 BPSK   | 1       | 137       | 23.76                 | 23.81                    | 23.80                  | 25.0 |
| 100             | PI2 BPSK   | 1       | 271       | 23.96                 | 24.01                    | 23.99                  |      |
| 100             | PI2 BPSK   | 135     | 0         | 23.51                 | 23.54                    | 23.52                  | 24.5 |
| 100             | PI2 BPSK   | 135     | 69        | 23.89                 | 23.88                    | 23.86                  | 25.0 |
| 100             | PI2 BPSK   | 135     | 138       | 23.46                 | 23.49                    | 23.46                  | 24.5 |
| 100             | PI2 BPSK   | 270     | 0         | 23.42                 | 23.46                    | 23.46                  |      |
| 100             | QPSK       | 1       | 1         | 23.97                 | 24.03                    | 24.02                  |      |
| 100             | QPSK       | 1       | 137       | 23.75                 | 23.69                    | 23.75                  | 25.0 |
| 100             | QPSK       | 1       | 271       | 23.74                 | 23.77                    | 23.73                  |      |
| 100             | QPSK       | 135     | 0         | 23.07                 | 23.06                    | 23.09                  | 24.0 |
| 100             | QPSK       | 135     | 69        | 23.75                 | 23.77                    | 23.75                  | 25.0 |
| 100             | QPSK       | 135     | 138       | 22.77                 | 22.80                    | 22.80                  | 24.0 |
| 100             | QPSK       | 270     | 0         | 22.83                 | 22.85                    | 22.84                  |      |
| 100             | 16QAM      | 1       | 1         | 23.07                 | 23.07                    | 23.07                  | 24.0 |
| 100             | 64QAM      | 1       | 1         | 21.54                 | 21.52                    | 21.48                  | 22.5 |
| 100             | 256QAM     | 1       | 1         | 19.60                 | 19.53                    | 19.57                  | 20.5 |
| Channel         |            |         |           | 5092.00               | 5189.99                  | 5299.99                |      |
| Frequency (MHz) |            |         |           | 25.41                 | 25.92.99                 | 26.44.98               |      |
| 90              | QPSK       | 1       | 1         | 23.78                 | 23.77                    | 23.84                  | 25.0 |
| Channel         |            |         |           | 507.204               | 5189.98                  | 5299.99                |      |
| Frequency (MHz) |            |         |           | 25.31.01              | 25.92.99                 | 26.50                  |      |
| 80              | QPSK       | 1       | 1         | 23.99                 | 23.91                    | 23.85                  | 25.0 |
| Channel         |            |         |           | 5062.02               | 5189.98                  | 5310.00                |      |
| Frequency (MHz) |            |         |           | 25.31.01              | 25.92.99                 | 26.50                  |      |
| 70              | QPSK       | 1       | 1         | 23.91                 | 23.85                    | 23.84                  | 25.0 |
| Channel         |            |         |           | 5052.00               | 5189.98                  | 5319.98                |      |
| Frequency (MHz) |            |         |           | 25.26                 | 25.92.99                 | 26.59.98               |      |
| 60              | QPSK       | 1       | 1         | 23.87                 | 23.92                    | 23.87                  | 25.0 |
| Channel         |            |         |           | 502.205               | 5189.99                  | 5329.99                |      |
| Frequency (MHz) |            |         |           | 25.21.02              | 25.92.99                 | 26.64.99               |      |
| 50              | QPSK       | 1       | 1         | 23.94                 | 23.94                    | 23.90                  | 25.0 |
| Channel         |            |         |           | 502.002               | 5189.98                  | 5340.00                |      |
| Frequency (MHz) |            |         |           | 25.16.01              | 25.92.99                 | 26.70                  |      |
| 40              | QPSK       | 1       | 1         | 23.87                 | 23.84                    | 23.86                  | 25.0 |
| Channel         |            |         |           | 502.000               | 5189.98                  | 5349.99                |      |
| Frequency (MHz) |            |         |           | 25.11                 | 25.92.99                 | 26.74.98               |      |
| 30              | QPSK       | 1       | 1         | 23.84                 | 23.84                    | 23.91                  | 25.0 |
| Channel         |            |         |           | 501.204               | 5189.98                  | 5359.99                |      |
| Frequency (MHz) |            |         |           | 25.06.02              | 25.92.99                 | 26.79.99               |      |
| 20              | QPSK       | 1       | 1         | 23.93                 | 23.89                    | 23.84                  | 25.0 |



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| 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         |            |         |           | 636000                      | 641666                         | 645332                       |                        |             |
| Frequency (MHz) |            |         |           | 3520                        | 3624.99                        | 3679.98                      |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 22.08                       | 22.53                          | 22.12                        |                        |             |
| 40              | PI2 BPSK   | 1       | 53        | 22.02                       | 22.10                          | 22.12                        | 23.0                   | 0.0         |
| 40              | PI2 BPSK   | 1       | 104       | 22.18                       | 22.17                          | 22.16                        |                        |             |
| 40              | PI2 BPSK   | 50      | 0         | 21.36                       | 21.52                          | 21.43                        | 22.5                   | 0.5         |
| 40              | PI2 BPSK   | 50      | 28        | 21.84                       | 22.03                          | 22.04                        | 23.0                   | 0.0         |
| 40              | PI2 BPSK   | 50      | 56        | 21.43                       | 21.50                          | 21.34                        | 22.5                   | 0.5         |
| 40              | PI2 BPSK   | 100     | 0         | 21.47                       | 21.54                          | 21.51                        |                        |             |
| 40              | QPSK       | 1       | 1         | 22.18                       | 22.32                          | 22.09                        |                        |             |
| 40              | QPSK       | 1       | 53        | 22.01                       | 22.19                          | 22.00                        | 23.0                   | 0.0         |
| 40              | QPSK       | 1       | 104       | 22.00                       | 22.11                          | 22.02                        |                        |             |
| 40              | QPSK       | 50      | 0         | 20.89                       | 21.06                          | 21.00                        | 22.0                   | 1.0         |
| 40              | QPSK       | 50      | 28        | 22.09                       | 22.14                          | 22.02                        | 23.0                   | 0.0         |
| 40              | QPSK       | 50      | 56        | 20.81                       | 20.83                          | 20.80                        |                        |             |
| 40              | QPSK       | 100     | 0         | 20.96                       | 21.03                          | 20.92                        | 22.0                   | 1.0         |
| 40              | 16QAM      | 1       | 1         | 21.24                       | 21.28                          | 21.21                        | 22.0                   | 1.0         |
| 40              | 64QAM      | 1       | 1         | 19.79                       | 19.82                          | 19.66                        | 20.5                   | 2.5         |
| 40              | 256QAM     | 1       | 1         | 17.56                       | 17.71                          | 17.64                        | 18.5                   | 4.5         |
| Channel         |            |         |           | 637234                      | 643666                         | 648000                       |                        |             |
| Frequency (MHz) |            |         |           | 3560.01                     | 3624.99                        | 3690                         |                        |             |
| 20              | QPSK       | 1       | 1         | 21.77                       | 22.04                          | 21.99                        | 23.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 21.65                       | 21.43                          | 21.52                        |                        |             |
| 100             | PI2 BPSK   | 1       | 137       | 21.25                       | 21.38                          | 21.37                        | 23.0                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 271       | 21.22                       | 21.23                          | 21.20                        |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 21.20                       | 21.35                          | 21.31                        | 22.5                   | 0.5         |
| 100             | PI2 BPSK   | 135     | 69        | 21.32                       | 21.34                          | 21.30                        | 23.0                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 21.27                       | 21.32                          | 21.26                        | 22.5                   | 0.5         |
| 100             | PI2 BPSK   | 270     | 0         | 21.21                       | 21.24                          | 21.14                        |                        |             |
| 100             | QPSK       | 1       | 1         | 21.44                       | 21.49                          | 21.35                        |                        |             |
| 100             | QPSK       | 1       | 137       | 21.31                       | 21.42                          | 21.27                        | 23.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       | 21.31                       | 21.39                          | 21.32                        |                        |             |
| 100             | QPSK       | 135     | 0         | 21.19                       | 21.31                          | 21.21                        | 22.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 21.35                       | 21.41                          | 21.39                        | 23.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 20.31                       | 20.51                          | 20.28                        |                        |             |
| 100             | QPSK       | 270     | 0         | 20.43                       | 20.57                          | 20.50                        | 22.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 21.31                       | 21.40                          | 21.26                        | 22.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         | 19.68                       | 19.89                          | 19.74                        | 20.5                   | 2.5         |
| 100             | 256QAM     | 1       | 1         | 17.80                       | 17.84                          | 17.78                        | 18.5                   | 4.5         |
| Channel         |            |         |           | 645334                      | 650000                         | 655666                       |                        |             |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      |                        |             |
| 80              | QPSK       | 1       | 1         | 21.24                       | 21.27                          | 21.26                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 650000                         | 653334                       |                        |             |
| Frequency (MHz) |            |         |           | 3720.02                     | 3840                           | 3940.01                      |                        |             |
| 60              | QPSK       | 1       | 1         | 21.35                       | 21.40                          | 21.33                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       |                        |             |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | QPSK       | 1       | 1         | 21.29                       | 21.37                          | 21.23                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 664334                       |                        |             |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | QPSK       | 1       | 1         | 21.31                       | 21.32                          | 21.20                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 641334                      | 650000                         | 658666                       |                        |             |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | QPSK       | 1       | 1         | 21.28                       | 21.31                          | 21.25                        | 23.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 24.02                       | 24.07                          | 24.06                        |                        |             |
| 100             | PI2 BPSK   | 1       | 137       | 24.01                       | 24.02                          | 24.01                        | 26.0                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 271       | 24.02                       | 24.03                          | 24.03                        |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 23.97                       | 24.02                          | 23.98                        | 25.5                   | 0.5         |
| 100             | PI2 BPSK   | 135     | 69        | 24.10                       | 24.05                          | 24.01                        | 26.0                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 23.86                       | 23.93                          | 23.83                        | 25.5                   | 0.5         |
| 100             | PI2 BPSK   | 270     | 0         | 23.96                       | 24.05                          | 23.80                        |                        |             |
| 100             | QPSK       | 1       | 1         | 24.08                       | 24.30                          | 24.02                        |                        |             |
| 100             | QPSK       | 1       | 137       | 24.07                       | 24.07                          | 24.02                        | 26.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       | 24.03                       | 24.02                          | 24.01                        |                        |             |
| 100             | QPSK       | 135     | 0         | 23.87                       | 24.02                          | 23.92                        | 25.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 24.01                       | 24.09                          | 24.02                        | 26.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 24.01                       | 24.02                          | 23.95                        |                        |             |
| 100             | QPSK       | 270     | 0         | 23.88                       | 24.00                          | 23.89                        | 25.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 23.23                       | 23.26                          | 23.25                        | 25.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         | 21.53                       | 21.54                          | 21.51                        | 23.5                   | 2.5         |
| 100             | 256QAM     | 1       | 1         | 20.18                       | 20.28                          | 20.25                        | 21.5                   | 4.5         |
| Channel         |            |         |           | 645334                      | 650000                         | 655666                       |                        |             |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      |                        |             |
| 80              | QPSK       | 1       | 1         | 24.06                       | 24.08                          | 23.99                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 650000                         | 653334                       |                        |             |
| Frequency (MHz) |            |         |           | 3720.02                     | 3840                           | 3940.01                      |                        |             |
| 60              | QPSK       | 1       | 1         | 23.96                       | 24.04                          | 23.91                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       |                        |             |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | QPSK       | 1       | 1         | 23.91                       | 24.04                          | 23.84                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 664334                       |                        |             |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | QPSK       | 1       | 1         | 23.98                       | 24.07                          | 23.98                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 641334                      | 650000                         | 658666                       |                        |             |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | QPSK       | 1       | 1         | 23.98                       | 24.10                          | 23.99                        | 26.0                   | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.52                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 21.49                 |                          |                        | 23.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 21.40                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 21.24                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.32                 |                          |                        | 23.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 21.21                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 21.16                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.60                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.54                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.47                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.17                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 21.36                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.13                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 21.23                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 21.46                 |                          |                        | 22.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.91                 |                          |                        | 20.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 17.92                 |                          |                        | 18.5                | 4.5      |
| Channel         |            |         |           | 632968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | QPSK       | 1       | 1         | 21.38                 | 21.46                    | 21.45                  | 23.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490                  | 3500.01                  | 3500.02                |                     |          |
| 60              | QPSK       | 1       | 1         | 21.35                 | 21.35                    | 21.34                  | 23.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | QPSK       | 1       | 1         | 21.35                 | 21.31                    | 21.32                  | 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         | 21.37                 | 21.38                    | 21.35                  | 23.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3540                   |                     |          |
| 20              | QPSK       | 1       | 1         | 21.35                 | 21.36                    | 21.38                  | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 24.23                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 24.28                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 24.36                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 24.27                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 24.32                 |                          |                        | 26.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 24.37                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 24.33                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 24.63                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.25                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.22                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.18                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 24.24                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.24                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 22.80                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 23.24                 |                          |                        | 25.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.70                 |                          |                        | 23.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.84                 |                          |                        | 21.5                | 4.5      |
| Channel         |            |         |           | 632968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | QPSK       | 1       | 1         | 24.27                 | 24.26                    | 24.23                  | 26.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490                  | 3500.01                  | 3500.02                |                     |          |
| 60              | QPSK       | 1       | 1         | 24.21                 | 24.28                    | 24.28                  | 26.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | QPSK       | 1       | 1         | 24.20                 | 24.25                    | 24.27                  | 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         | 24.29                 | 24.22                    | 24.25                  | 26.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3540                   |                     |          |
| 20              | QPSK       | 1       | 1         | 24.25                 | 24.26                    | 24.21                  | 26.0                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.13                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 21.14                 |                          |                        | 23.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 21.04                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 20.96                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.03                 |                          |                        | 23.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 20.95                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 20.98                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.20                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.03                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.06                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 20.28                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 21.15                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.06                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 20.05                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 21.04                 |                          |                        | 22.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.59                 |                          |                        | 20.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 17.83                 |                          |                        | 18.5                | 4.5      |
| Channel         |            |         |           | 648968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 80              | QPSK       | 1       | 1         | 21.14                 | 21.16                    | 21.01                  | 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         | 21.09                 | 21.09                    | 21.18                  | 23.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70              | QPSK       | 1       | 1         | 21.07                 | 21.11                    | 21.04                  | 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         | 21.07                 | 21.10                    | 21.15                  | 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         | 21.04                 | 21.12                    | 21.11                  | 23.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40              | QPSK       | 1       | 1         | 21.02                 | 21.01                    | 21.18                  | 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         | 21.11                 | 21.17                    | 21.08                  | 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         | 21.10                 | 21.05                    | 21.03                  | 23.0                | 0.0      |



| Part270 n78 HPUE Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 3750                  |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 1         | 24.07                 |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 137       | 24.25                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 1       | 271       | 24.09                 |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         | 24.12                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 135     | 69        | 24.20                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 135     | 138       | 23.99                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 270     | 0         | 23.88                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 1       | 1         | 24.28                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 24.12                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 271       | 24.04                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 23.98                 |                          |                        | 26.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 69        | 24.05                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       | 23.87                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 270     | 0         | 23.94                 |                          |                        | 26.0                | 1.0      |  |
| 100                    | 16QAM      | 1       | 1         | 23.81                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | 64QAM      | 1       | 1         | 22.02                 |                          |                        | 23.5                | 2.5      |  |
| 100                    | 256QAM     | 1       | 1         | 19.99                 |                          |                        | 21.5                | 4.5      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 648968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3745.02               | 3750                     | 3765.01                | 26.0                | 0.0      |  |
| 80                     | QPSK       | 1       | 1         | 24.09                 | 24.14                    | 24.07                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 632334                | 630000                   | 630668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3740.01               | 3750                     | 3760.02                | 26.0                | 0.0      |  |
| 80                     | QPSK       | 1       | 1         | 24.18                 | 24.12                    | 24.13                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 648900                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3735                  | 3750                     | 3765                   | 26.0                | 0.0      |  |
| 70                     | QPSK       | 1       | 1         | 24.17                 | 24.13                    | 24.11                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 648968                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3760.02               | 3750                     | 3770.01                | 26.0                | 0.0      |  |
| 60                     | QPSK       | 1       | 1         | 24.17                 | 24.15                    | 24.15                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 632334                | 630000                   | 630668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3725.01               | 3750                     | 3775.02                | 26.0                | 0.0      |  |
| 50                     | QPSK       | 1       | 1         | 24.08                 | 24.14                    | 24.10                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 648000                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3760                  | 3760                     | 3760                   | 26.0                | 0.0      |  |
| 40                     | QPSK       | 1       | 1         | 24.20                 | 24.09                    | 24.09                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3715.02               | 3750                     | 3785.01                | 26.0                | 0.0      |  |
| 30                     | QPSK       | 1       | 1         | 24.15                 | 24.09                    | 24.14                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 647334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3710.01               | 3750                     | 3790.02                | 26.0                | 0.0      |  |
| 20                     | QPSK       | 1       | 1         | 24.19                 | 24.10                    | 24.13                  | 26.0                | 0.0      |  |

| Part27Q n78 Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 1         | 21.42                 |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 137       | 21.35                 |                          |                        | 23.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 1       | 271       | 21.34                 |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 135     | 0         | 21.32                 |                          |                        | 22.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 135     | 69        | 21.37                 |                          |                        | 23.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 135     | 138       | 21.25                 |                          |                        | 22.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 270     | 0         | 21.39                 |                          |                        | 22.5                | 0.5      |  |
| 100               | QPSK       | 1       | 1         | 21.46                 |                          |                        |                     |          |  |
| 100               | QPSK       | 1       | 137       | 21.17                 |                          |                        | 23.0                | 0.0      |  |
| 100               | QPSK       | 1       | 271       | 21.05                 |                          |                        |                     |          |  |
| 100               | QPSK       | 135     | 0         | 20.49                 |                          |                        | 22.0                | 1.0      |  |
| 100               | QPSK       | 135     | 69        | 21.45                 |                          |                        | 23.0                | 0.0      |  |
| 100               | QPSK       | 135     | 138       | 20.36                 |                          |                        | 22.0                | 1.0      |  |
| 100               | QPSK       | 270     | 0         | 20.48                 |                          |                        | 22.0                | 1.0      |  |
| 100               | 16QAM      | 1       | 1         | 21.11                 |                          |                        | 22.0                | 1.0      |  |
| 100               | 64QAM      | 1       | 1         | 19.57                 |                          |                        | 20.5                | 2.5      |  |
| 100               | 256QAM     | 1       | 1         | 17.86                 |                          |                        | 18.5                | 4.5      |  |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | 26.0                | 0.0      |  |
| 90                | QPSK       | 1       | 1         | 21.40                 | 21.36                    | 21.17                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | 23.0                | 0.0      |  |
| 80                | QPSK       | 1       | 1         | 21.32                 | 21.39                    | 21.36                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 23.0                | 0.0      |  |
| 70                | QPSK       | 1       | 1         | 21.53                 | 21.23                    | 21.26                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | 23.0                | 0.0      |  |
| 60                | QPSK       | 1       | 1         | 21.24                 | 21.35                    | 21.21                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | 23.0                | 0.0      |  |
| 50                | QPSK       | 1       | 1         | 21.32                 | 21.25                    | 21.16                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 23.0                | 0.0      |  |
| 40                | QPSK       | 1       | 1         | 21.41                 | 21.26                    | 21.44                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 631000                | 633334                   | 636668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | 23.0                | 0.0      |  |
| 30                | QPSK       | 1       | 1         | 21.22                 | 21.42                    | 21.39                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | 23.0                | 0.0      |  |
| 20                | QPSK       | 1       | 1         | 21.45                 | 21.32                    | 21.35                  | 23.0                | 0.0      |  |

| Part27Q n78 HPUE Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                    | Pv2 BPSK   | 1       | 1         | 24.54                 |                          |                        |                     |          |  |
| 100                    | Pv2 BPSK   | 1       | 137       | 24.47                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pv2 BPSK   | 1       | 271       | 24.49                 |                          |                        |                     |          |  |
| 100                    | Pv2 BPSK   | 135     | 0         | 24.45                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pv2 BPSK   | 135     | 69        | 24.46                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pv2 BPSK   | 135     | 138       | 23.97                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pv2 BPSK   | 270     | 0         | 23.97                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 1       | 1         | 24.57                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 24.53                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 271       | 24.41                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 24.23                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 69        | 24.44                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       | 24.25                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 270     | 0         | 23.51                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | 16QAM      | 1       | 1         | 23.09                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | 64QAM      | 1       | 1         | 21.56                 |                          |                        | 23.5                | 2.5      |  |
| 100                    | 256QAM     | 1       | 1         | 19.57                 |                          |                        | 21.5                | 4.5      |  |
| Channel                |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3495                  | 3500.01                  | 3505.02                | 26.0                | 0.0      |  |
| 80                     | QPSK       | 1       | 1         | 24.36                 | 24.46                    | 24.43                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3490.02               | 3500.01                  | 3510                   | 26.0                | 0.0      |  |
| 80                     | QPSK       | 1       | 1         | 24.37                 | 24.42                    | 24.32                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 26.0                | 0.0      |  |
| 70                     | QPSK       | 1       | 1         | 24.47                 | 24.59                    | 24.25                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3480                  | 3500.01                  | 3520.02                | 26.0                | 0.0      |  |
| 60                     | QPSK       | 1       | 1         | 24.28                 | 24.51                    | 24.42                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3475.02               | 3500.01                  | 3525                   | 26.0                | 0.0      |  |
| 50                     | QPSK       | 1       | 1         | 24.41                 | 24.41                    | 24.34                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 26.0                | 0.0      |  |
| 40                     | QPSK       | 1       | 1         | 24.40                 | 24.41                    | 24.34                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631000                | 633334                   | 636668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                  | 3535.02                | 26.0                | 0.0      |  |
| 30                     | QPSK       | 1       | 1         | 24.29                 | 24.55                    | 24.25                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3460                  | 3500.01                  | 3540                   | 26.0                | 0.0      |  |
| 20                     | QPSK       | 1       | 1         | 24.41                 | 24.48                    | 24.28                  | 26.0                | 0.0      |  |

| n7 Ant 6        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |
| 20              | PV2 BPSK   | 1       | 1         | 22.15                 | 22.19                    | 22.12                  | 23.0                | 0.0      |
| 20              | PV2 BPSK   | 1       | 53        | 22.09                 | 22.16                    | 22.08                  |                     |          |
| 20              | PV2 BPSK   | 1       | 104       | 22.00                 | 22.11                    | 21.96                  |                     |          |
| 20              | PV2 BPSK   | 50      | 0         | 21.43                 | 21.50                    | 21.36                  | 22.5                | 0.5      |
| 20              | PV2 BPSK   | 50      | 28        | 22.03                 | 22.12                    | 21.99                  | 23.0                | 0.0      |
| 20              | PV2 BPSK   | 50      | 56        | 21.36                 | 21.42                    | 21.29                  | 22.5                | 0.5      |
| 20              | PV2 BPSK   | 100     | 0         | 21.36                 | 21.45                    | 21.37                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.20                 | 22.21                    | 22.22                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.08                 | 22.23                    | 22.16                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.08                 | 22.18                    | 22.12                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.09                 | 21.16                    | 21.12                  | 22.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 22.15                 | 22.18                    | 22.12                  | 23.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 20.90                 | 20.97                    | 20.94                  | 22.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 20.92                 | 21.06                    | 20.94                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.00                 | 21.14                    | 21.05                  | 22.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.74                 | 19.81                    | 19.68                  | 20.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 17.58                 | 17.59                    | 17.46                  | 18.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2635                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 22.13                 | 22.19                    | 22.08                  | 23.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2635                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.10                 | 22.21                    | 22.10                  | 23.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2635                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.03                 | 22.14                    | 22.06                  | 23.0                | 0.0      |



| n38 Ant 6       |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 518004                | 518000                   | 518996                 |          |
| Frequency (MHz) |            |         |           | 2560.02               | 2565                     | 2569.98                |          |
| 40              | PI2 BPSK   | 1       | 1         | 21.96                 | 22.07                    | 21.99                  |          |
| 40              | PI2 BPSK   | 1       | 53        | 21.87                 | 21.98                    | 21.96                  | 23.0     |
| 40              | PI2 BPSK   | 1       | 104       | 21.82                 | 21.97                    | 21.94                  |          |
| 40              | PI2 BPSK   | 50      | 0         | 21.34                 | 21.47                    | 21.31                  | 22.5 0.5 |
| 40              | PI2 BPSK   | 50      | 28        | 21.92                 | 21.99                    | 21.96                  | 23.0 0.0 |
| 40              | PI2 BPSK   | 50      | 56        | 21.22                 | 21.35                    | 21.30                  | 22.5 0.5 |
| 40              | PI2 BPSK   | 100     | 0         | 21.29                 | 21.42                    | 21.27                  |          |
| 40              | QPSK       | 1       | 1         | 22.06                 | 22.15                    | 22.04                  |          |
| 40              | QPSK       | 1       | 53        | 22.06                 | 22.08                    | 21.99                  | 23.0 0.0 |
| 40              | QPSK       | 1       | 104       | 21.95                 | 22.01                    | 21.97                  |          |
| 40              | QPSK       | 50      | 0         | 20.77                 | 20.88                    | 20.81                  | 22.0 1.0 |
| 40              | QPSK       | 50      | 28        | 21.96                 | 22.05                    | 22.02                  | 23.0 0.0 |
| 40              | QPSK       | 50      | 56        | 20.72                 | 20.87                    | 20.77                  | 22.0 1.0 |
| 40              | QPSK       | 100     | 0         | 20.91                 | 20.98                    | 20.84                  |          |
| 40              | 16QAM      | 1       | 1         | 20.89                 | 21.05                    | 20.98                  | 22.0 1.0 |
| 40              | 64QAM      | 1       | 1         | 19.87                 | 19.70                    | 19.61                  | 20.5 2.5 |
| 40              | 256QAM     | 1       | 1         | 17.54                 | 17.78                    | 17.69                  | 18.5 4.5 |
| Channel         |            |         |           | 517002                | 518000                   | 520000                 |          |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                |          |
| 30              | QPSK       | 1       | 1         | 21.95                 | 22.12                    | 21.89                  | 23.0 0.0 |
| Channel         |            |         |           | 516000                | 518000                   | 520000                 |          |
| Frequency (MHz) |            |         |           | 2640                  | 2645                     | 2650                   |          |
| 20              | QPSK       | 1       | 1         | 21.98                 | 22.05                    | 21.90                  | 23.0 0.0 |

| n41 Ant 6       |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.98                  | 2640                   |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.18                 | 22.20                    | 21.98                  |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.15                 | 22.19                    | 21.91                  | 23.0 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 22.21                 | 22.24                    | 21.99                  |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.74                 | 21.85                    | 21.56                  | 22.5 0.5 |
| 100             | PI2 BPSK   | 135     | 69        | 22.17                 | 22.14                    | 22.00                  | 23.0 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 21.95                 | 21.74                    | 21.56                  | 22.5 0.5 |
| 100             | PI2 BPSK   | 270     | 0         | 21.88                 | 21.84                    | 21.50                  |          |
| 100             | QPSK       | 1       | 1         | 22.28                 | 22.35                    | 22.08                  |          |
| 100             | QPSK       | 1       | 137       | 22.32                 | 22.19                    | 21.84                  | 23.0 0.0 |
| 100             | QPSK       | 1       | 271       | 22.10                 | 21.82                    | 22.03                  |          |
| 100             | QPSK       | 135     | 0         | 21.24                 | 21.42                    | 21.07                  | 22.0 1.0 |
| 100             | QPSK       | 135     | 69        | 22.02                 | 22.25                    | 22.10                  | 23.0 0.0 |
| 100             | QPSK       | 135     | 138       | 21.39                 | 21.30                    | 21.13                  | 22.0 1.0 |
| 100             | QPSK       | 270     | 0         | 21.38                 | 21.43                    | 21.07                  |          |
| 100             | 16QAM      | 1       | 1         | 21.15                 | 21.41                    | 20.93                  | 22.0 1.0 |
| 100             | 64QAM      | 1       | 1         | 19.81                 | 19.97                    | 19.55                  | 20.5 2.5 |
| 100             | 256QAM     | 1       | 1         | 17.07                 | 17.96                    | 17.72                  | 18.5 4.5 |
| Channel         |            |         |           | 508200                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |          |
| 90              | QPSK       | 1       | 1         | 21.97                 | 21.89                    | 21.93                  | 23.0 0.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2636.02               | 2592.99                  | 2655                   |          |
| 80              | QPSK       | 1       | 1         | 21.83                 | 22.07                    | 22.02                  | 23.0 0.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 70              | QPSK       | 1       | 1         | 21.83                 | 21.88                    | 21.83                  | 23.0 0.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |          |
| Frequency (MHz) |            |         |           | 2626                  | 2592.99                  | 2659.98                |          |
| 60              | QPSK       | 1       | 1         | 22.02                 | 21.99                    | 22.00                  | 23.0 0.0 |
| Channel         |            |         |           | 504202                | 518998                   | 532998                 |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |          |
| 50              | QPSK       | 1       | 1         | 21.86                 | 22.07                    | 21.99                  | 23.0 0.0 |
| Channel         |            |         |           | 503202                | 518998                   | 534000                 |          |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |          |
| 40              | QPSK       | 1       | 1         | 21.98                 | 22.10                    | 21.83                  | 23.0 0.0 |
| Channel         |            |         |           | 502200                | 518998                   | 534998                 |          |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |          |
| 30              | QPSK       | 1       | 1         | 21.90                 | 22.08                    | 22.04                  | 23.0 0.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535998                 |          |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |          |
| 20              | QPSK       | 1       | 1         | 21.99                 | 21.98                    | 21.82                  | 23.0 0.0 |

| n41 HPUE Ant 6  |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.98                  | 2640                   |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.09                 | 24.08                    | 23.91                  |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.27                 | 24.07                    | 24.01                  | 25.0 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 23.94                 | 24.19                    | 24.06                  |          |
| 100             | PI2 BPSK   | 135     | 0         | 23.56                 | 23.92                    | 23.29                  | 24.5 0.5 |
| 100             | PI2 BPSK   | 135     | 69        | 24.05                 | 23.94                    | 24.08                  | 25.0 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 23.92                 | 23.53                    | 23.76                  | 24.5 0.5 |
| 100             | PI2 BPSK   | 270     | 0         | 23.92                 | 23.65                    | 23.50                  |          |
| 100             | QPSK       | 1       | 1         | 24.14                 | 24.39                    | 24.01                  |          |
| 100             | QPSK       | 1       | 137       | 24.02                 | 23.88                    | 23.80                  | 25.0 0.0 |
| 100             | QPSK       | 1       | 271       | 24.05                 | 23.76                    | 23.98                  |          |
| 100             | QPSK       | 135     | 0         | 23.21                 | 23.28                    | 23.01                  | 24.0 1.0 |
| 100             | QPSK       | 135     | 69        | 23.70                 | 23.93                    | 23.86                  | 25.0 0.0 |
| 100             | QPSK       | 135     | 138       | 23.10                 | 23.37                    | 22.99                  | 24.0 1.0 |
| 100             | QPSK       | 270     | 0         | 22.91                 | 23.07                    | 22.85                  |          |
| 100             | 16QAM      | 1       | 1         | 23.32                 | 23.22                    | 22.98                  | 24.0 1.0 |
| 100             | 64QAM      | 1       | 1         | 21.58                 | 21.53                    | 21.39                  | 22.5 2.5 |
| 100             | 256QAM     | 1       | 1         | 19.70                 | 19.56                    | 19.59                  | 20.5 4.5 |
| Channel         |            |         |           | 508200                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |          |
| 90              | QPSK       | 1       | 1         | 24.23                 | 24.16                    | 24.13                  | 25.0 0.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2636.02               | 2592.99                  | 2655                   |          |
| 80              | QPSK       | 1       | 1         | 24.20                 | 24.30                    | 24.04                  | 25.0 0.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 70              | QPSK       | 1       | 1         | 24.23                 | 24.18                    | 24.03                  | 25.0 0.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |          |
| Frequency (MHz) |            |         |           | 2626                  | 2592.99                  | 2659.98                |          |
| 60              | QPSK       | 1       | 1         | 24.14                 | 24.13                    | 24.13                  | 25.0 0.0 |
| Channel         |            |         |           | 504202                | 518998                   | 532998                 |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |          |
| 50              | QPSK       | 1       | 1         | 24.25                 | 24.18                    | 24.10                  | 25.0 0.0 |
| Channel         |            |         |           | 503202                | 518998                   | 534000                 |          |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |          |
| 40              | QPSK       | 1       | 1         | 24.20                 | 24.34                    | 24.04                  | 25.0 0.0 |
| Channel         |            |         |           | 502200                | 518998                   | 534998                 |          |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |          |
| 30              | QPSK       | 1       | 1         | 24.27                 | 24.16                    | 24.06                  | 25.0 0.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535998                 |          |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |          |
| 20              | QPSK       | 1       | 1         | 24.12                 | 24.14                    | 24.16                  | 25.0 0.0 |



| Part270 n77 Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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               | Pl2 BPSK   | 1       | 1         | 22.30                 | 22.44                    | 22.58                  | 23.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 1       | 137       | 22.11                 | 22.29                    | 22.32                  |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 271       | 22.09                 | 22.28                    | 22.10                  |                     |          |  |
| 100               | Pl2 BPSK   | 135     | 0         | 21.78                 | 21.87                    | 21.84                  | 22.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 135     | 69        | 22.42                 | 22.43                    | 22.33                  | 23.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 135     | 138       | 21.86                 | 21.75                    | 21.84                  | 22.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 270     | 0         | 21.83                 | 21.84                    | 21.62                  | 23.0                | 0.0      |  |
| 100               | QPSK       | 1       | 1         | 22.21                 | 22.25                    | 22.15                  |                     |          |  |
| 100               | QPSK       | 1       | 137       | 22.10                 | 22.24                    | 22.17                  |                     |          |  |
| 100               | QPSK       | 1       | 271       | 22.05                 | 22.19                    | 22.11                  | 22.0                | 1.0      |  |
| 100               | QPSK       | 135     | 0         | 20.92                 | 21.06                    | 20.97                  |                     |          |  |
| 100               | QPSK       | 135     | 69        | 22.11                 | 22.23                    | 22.10                  | 23.0                | 0.0      |  |
| 100               | QPSK       | 135     | 138       | 20.94                 | 21.04                    | 21.02                  | 22.0                | 1.0      |  |
| 100               | QPSK       | 270     | 0         | 21.75                 | 21.76                    | 21.75                  | 22.0                | 1.0      |  |
| 100               | 16QAM      | 1       | 1         | 21.06                 | 21.12                    | 21.03                  | 22.0                | 1.0      |  |
| 100               | 64QAM      | 1       | 1         | 19.89                 | 19.79                    | 19.67                  | 20.5                | 2.5      |  |
| 100               | 256QAM     | 1       | 1         | 17.09                 | 17.73                    | 17.68                  | 18.5                | 4.5      |  |
| Channel           |            |         |           | 640000                | 650000                   | 660000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                | Pl2 BPSK   | 1       | 1         | 22.12                 | 22.21                    | 22.07                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3739.02               | 3840                     | 3940.01                |                     |          |  |
| 60                | Pl2 BPSK   | 1       | 1         | 22.15                 | 22.19                    | 22.11                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                | Pl2 BPSK   | 1       | 1         | 22.15                 | 22.17                    | 22.09                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 647668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                | Pl2 BPSK   | 1       | 1         | 22.05                 | 22.23                    | 22.09                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 647334                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                | Pl2 BPSK   | 1       | 1         | 22.07                 | 22.15                    | 22.17                  | 23.0                | 0.0      |  |

| Part270 n77 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                    | Pl2 BPSK   | 1       | 1         | 24.51                 | 24.53                    | 24.29                  | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 1       | 137       | 24.04                 | 24.04                    | 24.08                  |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 271       | 23.92                 | 24.14                    | 23.81                  |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         | 23.33                 | 23.39                    | 23.24                  | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 135     | 69        | 24.10                 | 24.24                    | 23.95                  | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 135     | 138       | 23.15                 | 23.04                    | 23.09                  | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 270     | 0         | 23.10                 | 23.25                    | 23.23                  | 25.0                | 1.0      |  |
| 100                    | QPSK       | 1       | 1         | 23.39                 | 23.57                    | 23.52                  |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 23.06                 | 23.23                    | 23.12                  |                     |          |  |
| 100                    | QPSK       | 1       | 271       | 23.10                 | 23.24                    | 23.06                  | 24.0                | 2.0      |  |
| 100                    | QPSK       | 135     | 0         | 22.27                 | 22.55                    | 22.26                  |                     |          |  |
| 100                    | QPSK       | 135     | 69        | 23.18                 | 23.23                    | 23.18                  | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 138       | 22.19                 | 22.23                    | 21.96                  | 24.0                | 2.0      |  |
| 100                    | QPSK       | 270     | 0         | 22.06                 | 22.18                    | 22.24                  | 25.0                | 1.0      |  |
| 100                    | 16QAM      | 1       | 1         | 23.09                 | 23.32                    | 23.01                  | 25.0                | 1.0      |  |
| 100                    | 64QAM      | 1       | 1         | 21.28                 | 21.48                    | 21.14                  | 23.0                | 3.0      |  |
| 100                    | 256QAM     | 1       | 1         | 19.71                 | 19.61                    | 19.61                  | 21.5                | 4.5      |  |
| Channel                |            |         |           | 640000                | 650000                   | 660000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                     | Pl2 BPSK   | 1       | 1         | 24.27                 | 24.21                    | 24.21                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3739.02               | 3840                     | 3940.01                |                     |          |  |
| 60                     | Pl2 BPSK   | 1       | 1         | 24.23                 | 24.39                    | 24.19                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                     | Pl2 BPSK   | 1       | 1         | 24.25                 | 24.19                    | 24.09                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 647668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                     | Pl2 BPSK   | 1       | 1         | 24.10                 | 24.21                    | 24.26                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 647334                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                     | Pl2 BPSK   | 1       | 1         | 24.20                 | 24.16                    | 24.17                  | 26.0                | 0.0      |  |

| Part270Q n77 Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|--------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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            |            |         |           | 630000                | 633334                   | 636668                 |                     |          |  |
| Frequency (MHz)    |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                | Pl2 BPSK   | 1       | 1         | 22.23                 |                          |                        | 23.0                | 0.0      |  |
| 100                | Pl2 BPSK   | 1       | 137       | 21.71                 |                          |                        |                     |          |  |
| 100                | Pl2 BPSK   | 1       | 271       | 21.68                 |                          |                        |                     |          |  |
| 100                | Pl2 BPSK   | 135     | 0         | 20.84                 |                          |                        | 22.0                | 1.0      |  |
| 100                | Pl2 BPSK   | 135     | 69        | 22.14                 |                          |                        | 23.0                | 0.0      |  |
| 100                | Pl2 BPSK   | 135     | 138       | 20.69                 |                          |                        | 22.0                | 1.0      |  |
| 100                | Pl2 BPSK   | 270     | 0         | 20.71                 |                          |                        | 22.0                | 1.0      |  |
| 100                | QPSK       | 1       | 1         | 21.15                 |                          |                        |                     |          |  |
| 100                | QPSK       | 1       | 137       | 20.66                 |                          |                        |                     |          |  |
| 100                | QPSK       | 1       | 271       | 20.62                 |                          |                        | 20.5                | 2.5      |  |
| 100                | QPSK       | 135     | 0         | 19.75                 |                          |                        |                     |          |  |
| 100                | QPSK       | 135     | 69        | 21.27                 |                          |                        | 22.0                | 1.0      |  |
| 100                | QPSK       | 135     | 138       | 19.81                 |                          |                        | 20.5                | 2.5      |  |
| 100                | QPSK       | 270     | 0         | 19.75                 |                          |                        | 21.0                | 2.0      |  |
| 100                | 16QAM      | 1       | 1         | 20.21                 |                          |                        | 19.5                | 3.5      |  |
| 100                | 64QAM      | 1       | 1         | 18.58                 |                          |                        | 17.5                | 5.0      |  |
| 100                | 256QAM     | 1       | 1         | 17.15                 |                          |                        |                     |          |  |
| Channel            |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)    |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                 | Pl2 BPSK   | 1       | 1         | 22.05                 | 22.05                    | 22.20                  | 23.0                | 0.0      |  |
| Channel            |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)    |            |         |           | 3480                  | 3490.01                  | 3500.02                |                     |          |  |
| 60                 | Pl2 BPSK   | 1       | 1         | 22.18                 | 22.01                    | 22.07                  | 23.0                | 0.0      |  |
| Channel            |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)    |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                 | Pl2 BPSK   | 1       | 1         | 22.02                 | 22.22                    | 22.10                  | 23.0                | 0.0      |  |
| Channel            |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)    |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                 | Pl2 BPSK   | 1       | 1         | 22.05                 | 22.09                    | 22.04                  | 23.0                | 0.0      |  |
| Channel            |            |         |           | 630668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)    |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                 | Pl2 BPSK   | 1       | 1         | 22.03                 | 22.02                    | 22.09                  | 23.0                | 0.0      |  |





| Part27Q n78 Ant 6 |            |         |           |                      |                         |                       |                     |          |     |
|-------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|-----|
| 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              |                         |                       |                     |          |     |
| Frequency (MHz)   |            |         |           | 22.03                |                         |                       |                     |          |     |
| 100               | PI2 BPSK   | 1       | 1         |                      | 22.03                   |                       | 23.0                | 0.0      |     |
| 100               | PI2 BPSK   | 1       | 137       |                      | 22.01                   |                       |                     |          |     |
| 100               | PI2 BPSK   | 1       | 271       |                      | 21.00                   |                       | 22.5                | 0.5      |     |
| 100               | PI2 BPSK   | 135     | 0         |                      | 21.85                   |                       | 23.0                | 0.5      |     |
| 100               | PI2 BPSK   | 135     | 138       |                      | 20.81                   |                       | 22.5                | 0.5      |     |
| 100               | PI2 BPSK   | 270     | 0         |                      | 20.95                   |                       |                     |          |     |
| 100               | QPSK       | 1       | 1         |                      | 21.84                   |                       |                     |          |     |
| 100               | QPSK       | 1       | 137       |                      | 21.78                   |                       | 22.5                | 0.5      |     |
| 100               | QPSK       | 1       | 271       |                      | 21.78                   |                       |                     |          |     |
| 100               | QPSK       | 135     | 0         |                      | 20.70                   |                       | 21.5                | 1.5      |     |
| 100               | QPSK       | 135     | 69        |                      | 21.61                   |                       | 22.5                | 0.5      |     |
| 100               | QPSK       | 135     | 138       |                      | 20.57                   |                       | 21.5                | 1.5      |     |
| 100               | QPSK       | 270     | 0         |                      | 20.76                   |                       |                     |          |     |
| 100               | 16QAM      | 1       | 1         |                      | 21.05                   |                       | 22.0                | 1.0      |     |
| 100               | 64QAM      | 1       | 1         |                      | 19.56                   |                       | 20.5                | 2.5      |     |
| 100               | 256QAM     | 1       | 1         |                      | 18.01                   |                       | 19.0                | 4.0      |     |
| Channel           |            |         |           | 633000               | 633334                  | 633668                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3495                 | 3500.01                 | 3505.02               |                     |          |     |
| 90                | PI2 BPSK   | 1       | 1         |                      | 22.02                   | 21.91                 | 21.88               | 23.0     | 0.0 |
| Channel           |            |         |           | 630968               | 633334                  | 634000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3499.02              | 3500.01                 | 3510                  |                     |          |     |
| 80                | PI2 BPSK   | 1       | 1         |                      | 21.86                   | 21.97                 | 21.89               | 23.0     | 0.0 |
| Channel           |            |         |           | 632334               | 633334                  | 634334                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3485.01              | 3500.01                 | 3515.01               |                     |          |     |
| 70                | PI2 BPSK   | 1       | 1         |                      | 21.67                   | 21.69                 | 21.52               | 23.0     | 0.0 |
| Channel           |            |         |           | 632000               | 633334                  | 634968                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3480                 | 3500.01                 | 3520.02               |                     |          |     |
| 60                | PI2 BPSK   | 1       | 1         |                      | 21.88                   | 21.87                 | 21.97               | 23.0     | 0.0 |
| Channel           |            |         |           | 631668               | 633334                  | 635000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3475.02              | 3500.01                 | 3525                  |                     |          |     |
| 50                | PI2 BPSK   | 1       | 1         |                      | 21.98                   | 21.94                 | 21.94               | 23.0     | 0.0 |
| Channel           |            |         |           | 631334               | 633334                  | 635334                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3470.01              | 3500.01                 | 3530.01               |                     |          |     |
| 40                | PI2 BPSK   | 1       | 1         |                      | 21.90                   | 22.00                 | 21.92               | 23.0     | 0.0 |
| Channel           |            |         |           | 631000               | 633334                  | 636668                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3465                 | 3500.01                 | 3535.02               |                     |          |     |
| 30                | PI2 BPSK   | 1       | 1         |                      | 21.96                   | 21.98                 | 21.85               | 23.0     | 0.0 |
| Channel           |            |         |           | 630668               | 633334                  | 635000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3460.02              | 3500.01                 | 3540                  |                     |          |     |
| 20                | PI2 BPSK   | 1       | 1         |                      | 22.01                   | 21.90                 | 21.88               | 23.0     | 0.0 |

| Part27Q n78 HPUE Ant 6 |            |         |           |                       |                           |                        |                     |          |     |
|------------------------|------------|---------|-----------|-----------------------|---------------------------|------------------------|---------------------|----------|-----|
| BW (MHz)               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Midline Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                |            |         |           | 633000                |                           |                        |                     |          |     |
| Frequency (MHz)        |            |         |           | 3500.01               |                           |                        |                     |          |     |
| 100                    | PI2 BPSK   | 1       | 1         |                       | 24.79                     |                        | 26.0                | 0.0      |     |
| 100                    | PI2 BPSK   | 1       | 137       |                       | 24.67                     |                        |                     |          |     |
| 100                    | PI2 BPSK   | 1       | 271       |                       | 24.23                     |                        |                     |          |     |
| 100                    | PI2 BPSK   | 135     | 0         |                       | 24.69                     |                        | 25.5                | 0.5      | 0.5 |
| 100                    | PI2 BPSK   | 135     | 69        |                       | 24.23                     |                        | 25.5                | 0.5      | 0.5 |
| 100                    | PI2 BPSK   | 135     | 138       |                       | 24.05                     |                        | 25.5                | 0.5      | 0.5 |
| 100                    | PI2 BPSK   | 270     | 0         |                       | 24.15                     |                        | 25.5                | 0.5      | 0.5 |
| 100                    | QPSK       | 1       | 1         |                       | 23.93                     |                        | 25.0                | 1.0      |     |
| 100                    | QPSK       | 1       | 137       |                       | 23.98                     |                        |                     |          |     |
| 100                    | QPSK       | 1       | 271       |                       | 23.45                     |                        |                     |          |     |
| 100                    | QPSK       | 135     | 0         |                       | 23.30                     |                        | 24.0                | 2.0      | 2.0 |
| 100                    | QPSK       | 135     | 69        |                       | 23.69                     |                        | 25.0                | 1.0      | 1.0 |
| 100                    | QPSK       | 135     | 138       |                       | 23.19                     |                        | 24.0                | 2.0      | 2.0 |
| 100                    | QPSK       | 270     | 0         |                       | 23.23                     |                        | 24.0                | 2.0      | 2.0 |
| 100                    | 16QAM      | 1       | 1         |                       | 22.78                     |                        | 24.0                | 2.0      | 2.0 |
| 100                    | 64QAM      | 1       | 1         |                       | 21.71                     |                        | 23.0                | 3.0      | 3.0 |
| 100                    | 256QAM     | 1       | 1         |                       | 19.79                     |                        | 21.0                | 5.0      | 5.0 |
| Channel                |            |         |           | 633000                | 633334                    | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3495                  | 3500.01                   | 3505.02                |                     |          |     |
| 90                     | PI2 BPSK   | 1       | 1         |                       | 24.01                     | 24.52                  | 24.62               | 26.0     | 0.0 |
| Channel                |            |         |           | 630968                | 633334                    | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3499.02               | 3500.01                   | 3501.01                |                     |          |     |
| 80                     | PI2 BPSK   | 1       | 1         |                       | 24.07                     | 24.62                  | 24.71               | 26.0     | 0.0 |
| Channel                |            |         |           | 632334                | 633334                    | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01                   | 3515.01                |                     |          |     |
| 70                     | PI2 BPSK   | 1       | 1         |                       | 24.07                     | 24.50                  | 24.57               | 26.0     | 0.0 |
| Channel                |            |         |           | 632000                | 633334                    | 634968                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3480                  | 3500.01                   | 3520.02                |                     |          |     |
| 60                     | PI2 BPSK   | 1       | 1         |                       | 24.04                     | 24.50                  | 24.63               | 26.0     | 0.0 |
| Channel                |            |         |           | 631063                | 633334                    | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3475.02               | 3500.01                   | 3525                   |                     |          |     |
| 50                     | PI2 BPSK   | 1       | 1         |                       | 24.03                     | 24.54                  | 24.60               | 26.0     | 0.0 |
| Channel                |            |         |           | 631334                | 633334                    | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                   | 3530.01                |                     |          |     |
| 40                     | PI2 BPSK   | 1       | 1         |                       | 24.01                     | 24.54                  | 24.69               | 26.0     | 0.0 |
| Channel                |            |         |           | 631000                | 633334                    | 636668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                   | 3535.02                |                     |          |     |
| 30                     | PI2 BPSK   | 1       | 1         |                       | 24.71                     | 24.49                  | 24.61               | 26.0     | 0.0 |
| Channel                |            |         |           | 630668                | 633334                    | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                   | 3540                   |                     |          |     |
| 20                     | PI2 BPSK   | 1       | 1         |                       | 24.04                     | 24.59                  | 24.52               | 26.0     | 0.0 |

| n7 Ant 7        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 50200                 | 50700                    | 51200                  |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 21.21                 | 21.35                    | 21.27                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 53        | 21.13                 | 21.29                    | 21.15                  |                     |          |
| 20              | PI2 BPSK   | 1       | 104       | 21.14                 | 21.25                    | 21.18                  | 22.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 0         | 20.82                 | 20.71                    | 20.81                  |                     |          |
| 20              | PI2 BPSK   | 50      | 28        | 21.19                 | 21.25                    | 21.25                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 20.51                 | 20.63                    | 20.56                  | 22.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 20.52                 | 20.67                    | 20.58                  |                     |          |
| 20              | QPSK       | 1       | 1         | 21.33                 | 21.41                    | 21.33                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 21.23                 | 21.33                    | 21.27                  |                     |          |
| 20              | QPSK       | 1       | 104       | 21.25                 | 21.30                    | 21.19                  | 22.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 20.13                 | 20.22                    | 20.15                  |                     |          |
| 20              | QPSK       | 50      | 28        | 21.22                 | 21.34                    | 21.29                  | 23.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 20.02                 | 20.03                    | 20.01                  | 22.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 20.03                 | 20.05                    | 20.04                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 20.22                 | 20.32                    | 20.21                  | 22.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 18.82                 | 18.88                    | 18.82                  | 20.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 16.58                 | 16.71                    | 16.54                  | 18.5                | 4.5      |
| Channel         |            |         |           | 50150                 | 50700                    | 51250                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 21.25                 | 21.32                    | 21.26                  | 23.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 21.19                 | 21.27                    | 21.26                  | 23.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 21.20                 | 21.33                    | 21.25                  | 23.0                | 0.0      |



| n38 Ant 7       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                   | 518000                      | 519998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2580.02                  | 2595                        | 2599.98                   |                        |             |  |
| 40              | PV2 BPSK   | 1       | 1         | 19.91                    | 20.01                       | 19.82                     |                        |             |  |
| 40              | PV2 BPSK   | 1       | 53        | 19.90                    | 19.97                       | 19.91                     | 21.0                   | 0.0         |  |
| 40              | PV2 BPSK   | 1       | 104       | 19.92                    | 20.06                       | 19.90                     |                        |             |  |
| 40              | PV2 BPSK   | 50      | 0         | 19.48                    | 19.48                       | 19.45                     | 20.5                   | 0.5         |  |
| 40              | PV2 BPSK   | 50      | 28        | 19.87                    | 19.98                       | 19.94                     | 21.0                   | 0.0         |  |
| 40              | PV2 BPSK   | 50      | 58        | 19.81                    | 19.59                       | 19.44                     | 20.5                   | 0.5         |  |
| 40              | PV2 BPSK   | 100     | 0         | 19.80                    | 19.59                       | 19.46                     |                        |             |  |
| 40              | QPSK       | 1       | 1         | 20.03                    | 20.11                       | 20.00                     | 21.0                   | 0.0         |  |
| 40              | QPSK       | 1       | 53        | 19.88                    | 19.92                       | 19.88                     |                        |             |  |
| 40              | QPSK       | 1       | 104       | 19.91                    | 19.99                       | 19.91                     |                        |             |  |
| 40              | QPSK       | 50      | 0         | 18.99                    | 18.99                       | 18.98                     | 20.0                   | 1.0         |  |
| 40              | QPSK       | 50      | 28        | 20.00                    | 20.02                       | 19.99                     | 21.0                   | 0.0         |  |
| 40              | QPSK       | 50      | 58        | 18.93                    | 18.92                       | 18.95                     | 20.0                   | 1.0         |  |
| 40              | QPSK       | 100     | 0         | 18.97                    | 18.95                       | 18.97                     |                        |             |  |
| 40              | 16QAM      | 1       | 1         | 18.95                    | 18.97                       | 18.92                     | 20.0                   | 1.0         |  |
| 40              | 64QAM      | 1       | 1         | 17.52                    | 17.54                       | 17.45                     | 18.5                   | 2.5         |  |
| 40              | 256QAM     | 1       | 1         | 15.58                    | 15.57                       | 15.51                     | 16.5                   | 4.5         |  |
| Channel         |            |         |           | 517002                   | 518000                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2585.01                  | 2595                        | 2604.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 19.95                    | 19.97                       | 19.97                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 516000                   | 516000                      | 522000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 19.95                    | 20.00                       | 19.88                     | 21.0                   | 0.0         |  |

| n41 Ant 7       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PV2 BPSK   | 1       | 1         | 20.02                    | 20.09                       | 19.93                     |                        |             |  |
| 100             | PV2 BPSK   | 1       | 137       | 19.97                    | 20.02                       | 20.03                     | 21.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 1       | 271       | 20.04                    | 20.11                       | 20.03                     |                        |             |  |
| 100             | PV2 BPSK   | 135     | 0         | 19.58                    | 19.82                       | 19.58                     | 20.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 135     | 69        | 20.00                    | 20.08                       | 20.05                     | 21.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 135     | 138       | 19.65                    | 19.84                       | 19.58                     | 20.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 270     | 0         | 19.68                    | 19.82                       | 19.54                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 20.10                    | 20.15                       | 20.08                     | 21.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 137       | 20.00                    | 20.04                       | 19.94                     |                        |             |  |
| 100             | QPSK       | 1       | 271       | 19.99                    | 20.10                       | 20.05                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 19.06                    | 19.07                       | 19.06                     | 20.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 20.08                    | 20.10                       | 20.05                     | 21.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 19.05                    | 19.10                       | 19.02                     | 20.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 19.08                    | 19.13                       | 19.06                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 19.08                    | 19.09                       | 19.04                     | 20.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 17.61                    | 17.60                       | 17.58                     | 18.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 15.64                    | 15.69                       | 15.58                     | 16.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 19.99                    | 20.02                       | 19.94                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2538.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 19.95                    | 20.03                       | 19.95                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 506202                   | 518598                      | 531000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2531.01                  | 2592.99                     | 2655                      |                        |             |  |
| 70              | QPSK       | 1       | 1         | 19.95                    | 19.99                       | 20.00                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2528                     | 2592.99                     | 2659.98                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 19.95                    | 20.05                       | 19.95                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   |                        |             |  |
| 50              | QPSK       | 1       | 1         | 19.97                    | 20.02                       | 19.92                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 503202                   | 518598                      | 534000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        |             |  |
| 40              | QPSK       | 1       | 1         | 20.00                    | 20.00                       | 19.94                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 502200                   | 518598                      | 534996                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.98                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 19.99                    | 20.08                       | 19.80                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 501204                   | 518598                      | 535998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        |             |  |
| 20              | QPSK       | 1       | 1         | 20.02                    | 20.01                       | 19.94                     | 21.0                   | 0.0         |  |

| n41 HPUE Ant 7  |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PV2 BPSK   | 1       | 1         | 21.83                    | 21.90                       | 21.80                     |                        |             |  |
| 100             | PV2 BPSK   | 1       | 137       | 21.82                    | 21.86                       | 21.78                     | 23.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 1       | 271       | 21.82                    | 21.83                       | 21.87                     |                        |             |  |
| 100             | PV2 BPSK   | 135     | 0         | 21.47                    | 21.47                       | 21.50                     | 22.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 135     | 69        | 21.87                    | 21.85                       | 21.89                     | 23.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 135     | 138       | 21.41                    | 21.47                       | 21.45                     | 22.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 270     | 0         | 21.38                    | 21.51                       | 21.41                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 21.92                    | 21.96                       | 21.96                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 137       | 21.84                    | 21.86                       | 21.79                     |                        |             |  |
| 100             | QPSK       | 1       | 271       | 21.81                    | 21.90                       | 21.82                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 20.90                    | 20.99                       | 20.98                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 21.81                    | 21.88                       | 21.85                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 20.91                    | 20.90                       | 20.93                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 20.95                    | 20.97                       | 20.96                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 20.86                    | 20.96                       | 20.91                     | 22.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 18.64                    | 18.58                       | 19.50                     | 20.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 17.44                    | 17.46                       | 17.43                     | 18.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 21.85                    | 21.91                       | 21.88                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2538.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 21.77                    | 21.89                       | 21.85                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 506202                   | 518598                      | 531000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2531.01                  | 2592.99                     | 2655                      |                        |             |  |
| 70              | QPSK       | 1       | 1         | 21.82                    | 21.87                       | 21.81                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2528                     | 2592.99                     | 2659.98                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 21.84                    | 21.86                       | 21.84                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   |                        |             |  |
| 50              | QPSK       | 1       | 1         | 21.89                    | 21.86                       | 21.87                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 503202                   | 518598                      | 534000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        |             |  |
| 40              | QPSK       | 1       | 1         | 21.81                    | 21.87                       | 21.81                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 502200                   | 518598                      | 534996                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.98                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 21.77                    | 21.83                       | 21.81                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 501204                   | 518598                      | 535998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        |             |  |
| 20              | QPSK       | 1       | 1         | 21.80                    | 21.87                       | 21.87                     | 23.0                   | 0.0         |  |



| n48 Part96 Ant 8 |            |         |           |                       |                          |                        |                     |          |     |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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          |            |         |           | 636000                | 641666                   | 646332                 |                     |          |     |
| Frequency (MHz)  |            |         |           | 3520                  | 3624.99                  | 3679.98                |                     |          |     |
| 40               | Pl2 BPSK   | 1       | 1         | 22.75                 | 22.63                    | 22.91                  |                     | 24.0     | 0.0 |
| 40               | Pl2 BPSK   | 1       | 53        | 22.92                 | 22.84                    | 22.92                  |                     |          |     |
| 40               | Pl2 BPSK   | 1       | 104       | 22.17                 | 22.23                    | 22.28                  |                     |          |     |
| 40               | Pl2 BPSK   | 50      | 0         | 21.55                 | 21.73                    | 21.66                  | 23.5                | 0.5      |     |
| 40               | Pl2 BPSK   | 50      | 28        | 22.51                 | 22.63                    | 22.76                  | 24.0                | 0.0      |     |
| 40               | Pl2 BPSK   | 50      | 56        | 22.13                 | 22.16                    | 21.96                  | 23.5                | 0.5      |     |
| 40               | Pl2 BPSK   | 100     | 0         | 22.11                 | 22.15                    | 21.68                  |                     | 23.5     | 0.5 |
| 40               | QPSK       | 1       | 1         | 21.80                 | 21.96                    | 22.07                  |                     |          |     |
| 40               | QPSK       | 1       | 53        | 21.77                 | 21.72                    | 21.74                  |                     |          |     |
| 40               | QPSK       | 1       | 104       | 21.37                 | 21.36                    | 21.18                  |                     | 22.5     | 1.5 |
| 40               | QPSK       | 50      | 0         | 21.56                 | 21.86                    | 21.73                  | 22.5                |          |     |
| 40               | QPSK       | 50      | 28        | 20.67                 | 20.80                    | 20.80                  | 23.5                |          |     |
| 40               | QPSK       | 50      | 56        | 21.14                 | 21.00                    | 20.97                  | 22.5                | 1.5      |     |
| 40               | QPSK       | 100     | 0         | 21.10                 | 21.20                    | 20.67                  | 22.5                | 1.5      |     |
| 40               | 16QAM      | 1       | 1         | 20.35                 | 20.52                    | 20.52                  | 22.5                | 1.5      |     |
| 40               | 64QAM      | 1       | 1         | 18.84                 | 19.11                    | 19.06                  | 21.0                | 3.0      |     |
| 40               | 256QAM     | 1       | 1         | 17.54                 | 17.62                    | 17.50                  | 19.5                | 4.5      |     |
| Channel          |            |         |           | 637334                | 643000                   | 648666                 |                     |          |     |
| Frequency (MHz)  |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |          |     |
| 20               | Pl2 BPSK   | 1       | 1         | 22.81                 | 22.85                    | 22.75                  | 24.0                | 0.0      |     |

| Part270 n77 Ant 8 |            |         |           |                       |                          |                        |                     |          |     |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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               | Pl2 BPSK   | 1       | 1         | 20.21                 | 20.23                    | 20.07                  |                     | 21.5     | 0.0 |
| 100               | Pl2 BPSK   | 1       | 137       | 19.80                 | 19.81                    | 19.49                  |                     |          |     |
| 100               | Pl2 BPSK   | 1       | 271       | 19.92                 | 19.84                    | 19.74                  |                     |          |     |
| 100               | Pl2 BPSK   | 135     | 0         | 18.77                 | 19.04                    | 18.82                  | 21.0                | 0.5      |     |
| 100               | Pl2 BPSK   | 135     | 69        | 19.74                 | 19.93                    | 19.96                  | 21.5                | 0.0      |     |
| 100               | Pl2 BPSK   | 135     | 138       | 18.79                 | 18.98                    | 18.60                  | 21.0                | 0.5      |     |
| 100               | Pl2 BPSK   | 270     | 0         | 18.64                 | 19.01                    | 18.92                  |                     | 21.5     | 0.0 |
| 100               | QPSK       | 1       | 1         | 20.02                 | 20.04                    | 19.87                  |                     |          |     |
| 100               | QPSK       | 1       | 137       | 19.53                 | 19.72                    | 19.49                  |                     |          |     |
| 100               | QPSK       | 1       | 271       | 19.76                 | 19.71                    | 19.64                  |                     | 20.5     | 1.0 |
| 100               | QPSK       | 135     | 0         | 18.61                 | 18.88                    | 18.77                  | 20.5                |          |     |
| 100               | QPSK       | 135     | 69        | 19.68                 | 19.92                    | 19.64                  | 21.5                |          |     |
| 100               | QPSK       | 135     | 138       | 18.56                 | 18.95                    | 18.63                  | 20.5                | 1.0      |     |
| 100               | QPSK       | 270     | 0         | 18.46                 | 18.96                    | 18.70                  | 20.5                | 1.0      |     |
| 100               | 16QAM      | 1       | 1         | 18.81                 | 18.91                    | 18.86                  | 20.5                | 1.0      |     |
| 100               | 64QAM      | 1       | 1         | 18.20                 | 18.47                    | 18.32                  | 19.0                | 2.5      |     |
| 100               | 256QAM     | 1       | 1         | 16.79                 | 16.92                    | 16.99                  | 17.0                | 4.5      |     |
| Channel           |            |         |           | 645334                | 650000                   | 654666                 |                     |          |     |
| Frequency (MHz)   |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |     |
| 80                | Pl2 BPSK   | 1       | 1         | 20.18                 | 20.10                    | 19.88                  | 21.5                | 0.0      |     |
| Channel           |            |         |           | 648668                | 656000                   | 663334                 |                     |          |     |
| Frequency (MHz)   |            |         |           | 3730.02               | 3840                     | 3940.01                |                     |          |     |
| 60                | Pl2 BPSK   | 1       | 1         | 20.19                 | 20.17                    | 20.01                  | 21.5                | 0.0      |     |
| Channel           |            |         |           | 648000                | 656000                   | 664000                 |                     |          |     |
| Frequency (MHz)   |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |     |
| 40                | Pl2 BPSK   | 1       | 1         | 20.21                 | 20.18                    | 20.09                  | 21.5                | 0.0      |     |
| Channel           |            |         |           | 647168                | 656000                   | 664334                 |                     |          |     |
| Frequency (MHz)   |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |     |
| 30                | Pl2 BPSK   | 1       | 1         | 20.15                 | 20.14                    | 19.97                  | 21.5                | 0.0      |     |
| Channel           |            |         |           | 641254                | 650000                   | 658666                 |                     |          |     |
| Frequency (MHz)   |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |     |
| 20                | Pl2 BPSK   | 1       | 1         | 20.11                 | 20.14                    | 19.78                  | 21.5                | 0.0      |     |

| Part270 n77 HPUE Ant 8 |            |         |           |                       |                          |                        |                     |          |     |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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                    | Pl2 BPSK   | 1       | 1         | 22.65                 | 22.97                    | 22.84                  |                     | 24.5     | 0.0 |
| 100                    | Pl2 BPSK   | 1       | 137       | 22.49                 | 22.68                    | 22.61                  |                     |          |     |
| 100                    | Pl2 BPSK   | 1       | 271       | 22.59                 | 22.60                    | 22.66                  |                     |          |     |
| 100                    | Pl2 BPSK   | 135     | 0         | 22.70                 | 22.66                    | 22.46                  | 24.0                | 0.5      |     |
| 100                    | Pl2 BPSK   | 135     | 69        | 22.59                 | 22.75                    | 22.51                  | 24.5                | 0.0      |     |
| 100                    | Pl2 BPSK   | 135     | 138       | 22.06                 | 22.10                    | 21.93                  | 24.0                | 0.5      |     |
| 100                    | Pl2 BPSK   | 270     | 0         | 21.97                 | 22.28                    | 22.10                  |                     | 23.5     | 1.0 |
| 100                    | QPSK       | 1       | 1         | 21.47                 | 21.80                    | 22.04                  |                     |          |     |
| 100                    | QPSK       | 1       | 137       | 21.56                 | 21.87                    | 21.54                  |                     |          |     |
| 100                    | QPSK       | 1       | 271       | 21.59                 | 21.35                    | 21.53                  |                     | 23.0     | 1.5 |
| 100                    | QPSK       | 135     | 0         | 21.64                 | 21.63                    | 21.58                  | 23.0                |          |     |
| 100                    | QPSK       | 135     | 69        | 21.55                 | 21.65                    | 21.50                  | 23.5                |          |     |
| 100                    | QPSK       | 135     | 138       | 20.83                 | 20.91                    | 21.00                  | 23.0                | 1.5      |     |
| 100                    | QPSK       | 270     | 0         | 21.10                 | 21.26                    | 21.03                  | 23.0                | 1.5      |     |
| 100                    | 16QAM      | 1       | 1         | 21.00                 | 21.07                    | 21.13                  | 23.0                | 1.5      |     |
| 100                    | 64QAM      | 1       | 1         | 19.50                 | 19.88                    | 19.72                  | 21.5                | 3.0      |     |
| 100                    | 256QAM     | 1       | 1         | 17.73                 | 17.94                    | 17.85                  | 20.0                | 4.5      |     |
| Channel                |            |         |           | 645334                | 650000                   | 654666                 |                     |          |     |
| Frequency (MHz)        |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |     |
| 80                     | Pl2 BPSK   | 1       | 1         | 22.49                 | 22.77                    | 22.72                  | 24.5                | 0.0      |     |
| Channel                |            |         |           | 648668                | 656000                   | 663334                 |                     |          |     |
| Frequency (MHz)        |            |         |           | 3730.02               | 3840                     | 3940.01                |                     |          |     |
| 60                     | Pl2 BPSK   | 1       | 1         | 22.38                 | 22.66                    | 22.66                  | 24.5                | 0.0      |     |
| Channel                |            |         |           | 648000                | 656000                   | 664000                 |                     |          |     |
| Frequency (MHz)        |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |     |
| 40                     | Pl2 BPSK   | 1       | 1         | 22.69                 | 22.63                    | 22.64                  | 24.5                | 0.0      |     |
| Channel                |            |         |           | 647168                | 656000                   | 664334                 |                     |          |     |
| Frequency (MHz)        |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |     |
| 30                     | Pl2 BPSK   | 1       | 1         | 22.56                 | 22.66                    | 22.59                  | 24.5                | 0.0      |     |
| Channel                |            |         |           | 641254                | 650000                   | 658666                 |                     |          |     |
| Frequency (MHz)        |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |     |
| 20                     | Pl2 BPSK   | 1       | 1         | 22.72                 | 22.60                    | 22.77                  | 24.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.20                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 21.23                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 21.25                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 20.34                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.10                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 20.42                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 270     | 0         | 20.23                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.95                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 20.91                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 20.92                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 20.13                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 135     | 69        | 20.85                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.18                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 270     | 0         | 20.08                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 20.67                 |                          |                        | 21.0                | 0.5      |
| 100             | 64QAM      | 1       | 1         | 19.08                 |                          |                        | 19.5                | 2.0      |
| 100             | 256QAM     | 1       | 1         | 17.68                 |                          |                        | 18.0                | 3.5      |
| Channel         |            |         |           | 632068                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3510                   |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 20.58                 | 20.70                    | 20.41                  | 21.5                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3440                  | 3500.01                  | 3500.02                |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 20.47                 | 20.63                    | 20.66                  | 21.5                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3476.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 20.14                 | 20.73                    | 20.78                  | 21.5                | 0.0      |
| Channel         |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 20.55                 | 20.84                    | 20.76                  | 21.5                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 20.81                 | 20.73                    | 20.81                  | 21.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 23.09                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 23.24                 |                          |                        | 24.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 23.18                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 22.91                 |                          |                        | 24.0                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 22.95                 |                          |                        | 24.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 22.92                 |                          |                        | 24.0                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 22.55                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 22.34                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 22.26                 |                          |                        | 23.5                | 1.0      |
| 100             | QPSK       | 1       | 271       | 21.98                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.66                 |                          |                        | 23.0                | 1.5      |
| 100             | QPSK       | 135     | 69        | 22.29                 |                          |                        | 23.5                | 1.0      |
| 100             | QPSK       | 135     | 138       | 21.28                 |                          |                        | 23.0                | 1.5      |
| 100             | QPSK       | 270     | 0         | 21.10                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 22.33                 |                          |                        | 23.0                | 1.5      |
| 100             | 64QAM      | 1       | 1         | 19.77                 |                          |                        | 21.5                | 3.0      |
| 100             | 256QAM     | 1       | 1         | 18.02                 |                          |                        | 19.5                | 5.0      |
| Channel         |            |         |           | 632068                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3510                   |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 23.22                 | 23.10                    | 23.03                  | 24.5                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3440                  | 3500.01                  | 3500.02                |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 23.37                 | 23.07                    | 23.21                  | 24.5                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3476.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 23.00                 | 23.13                    | 23.09                  | 24.5                | 0.0      |
| Channel         |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 23.35                 | 22.97                    | 23.08                  | 24.5                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 23.08                 | 23.14                    | 23.31                  | 24.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 20.11                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 19.97                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 20.00                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 19.54                 |                          |                        | 21.0                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 19.84                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 18.88                 |                          |                        | 21.0                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 19.17                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.20                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 19.15                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 1       | 271       | 19.10                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 18.67                 |                          |                        | 19.5                | 2.0      |
| 100             | QPSK       | 135     | 69        | 19.16                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 135     | 138       | 18.14                 |                          |                        | 19.5                | 2.0      |
| 100             | QPSK       | 270     | 0         | 18.24                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 18.36                 |                          |                        | 18.5                | 3.0      |
| 100             | 64QAM      | 1       | 1         | 17.85                 |                          |                        | 18.5                | 3.0      |
| 100             | 256QAM     | 1       | 1         | 16.14                 |                          |                        | 16.5                | 5.0      |
| Channel         |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 20.07                 | 20.00                    | 20.01                  | 21.5                | 0.0      |
| Channel         |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 20.03                 | 20.02                    | 20.03                  | 21.5                | 0.0      |
| Channel         |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70              | Pl2 BPSK   | 1       | 1         | 20.11                 | 20.05                    | 20.02                  | 21.5                | 0.0      |
| Channel         |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |
| 60              | Pl2 BPSK   | 1       | 1         | 20.05                 | 20.15                    | 20.15                  | 21.5                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50              | Pl2 BPSK   | 1       | 1         | 20.02                 | 20.03                    | 20.01                  | 21.5                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 20.11                 | 20.05                    | 20.07                  | 21.5                | 0.0      |
| Channel         |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 20.02                 | 20.03                    | 20.05                  | 21.5                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 20.05                 | 20.06                    | 20.06                  | 21.5                | 0.0      |





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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 23.31                       | 23.48                          | 23.42                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 23.22                       | 23.14                          | 23.17                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 23.04                       | 23.28                          | 23.11                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 23.08                       | 23.21                          | 23.10                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 23.19                       | 23.38                          | 23.22                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 22.99                       | 23.12                          | 23.04                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 22.81                       | 22.88                          | 22.83                        | 24.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 22.45                       | 22.67                          | 22.50                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.31                       | 22.28                          | 22.24                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.38                       | 22.47                          | 22.21                        |                        |             |
| 100             | QPSK       | 135     | 0         | 21.58                       | 21.78                          | 21.74                        | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 22.24                       | 22.26                          | 22.11                        | 24.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 21.29                       | 21.35                          | 21.26                        | 23.0                   | 1.0         |
| 100             | QPSK       | 270     | 0         | 21.26                       | 21.41                          | 21.32                        | 23.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 21.85                       | 21.66                          | 21.59                        |                        |             |
| 100             | 64QAM      | 1       | 1         | 20.11                       | 20.15                          | 20.03                        |                        |             |
| 100             | 256QAM     | 1       | 1         | 18.58                       | 18.71                          | 18.72                        | 19.5                   | 4.5         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 23.30                       | 23.37                          | 23.32                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720.02                     | 3840                           | 3960.03                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 23.31                       | 23.42                          | 23.38                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 23.37                       | 23.48                          | 23.39                        | 25.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 665334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 23.24                       | 23.40                          | 23.37                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 23.33                       | 23.41                          | 23.26                        | 24.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 25.52                       | 25.62                          | 25.58                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 25.21                       | 25.27                          | 25.17                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 24.89                       | 25.00                          | 24.83                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 24.74                       | 24.91                          | 24.76                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 25.31                       | 25.43                          | 25.38                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 24.53                       | 24.59                          | 24.48                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 24.49                       | 24.51                          | 24.47                        | 25.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 24.58                       | 24.69                          | 24.52                        |                        |             |
| 100             | QPSK       | 1       | 137       | 24.17                       | 24.22                          | 24.13                        |                        |             |
| 100             | QPSK       | 1       | 271       | 24.10                       | 24.27                          | 24.06                        |                        |             |
| 100             | QPSK       | 135     | 0         | 23.56                       | 23.57                          | 23.38                        | 24.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 24.05                       | 24.13                          | 24.08                        | 25.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 23.08                       | 23.15                          | 23.11                        | 24.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 23.06                       | 23.21                          | 23.10                        | 24.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 23.05                       | 23.09                          | 23.02                        |                        |             |
| 100             | 64QAM      | 1       | 1         | 21.51                       | 21.65                          | 21.58                        |                        |             |
| 100             | 256QAM     | 1       | 1         | 19.54                       | 19.71                          | 19.54                        | 21.0                   | 5.0         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 25.40                       | 25.59                          | 25.58                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720.02                     | 3840                           | 3960.03                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 25.43                       | 25.55                          | 25.57                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 25.37                       | 25.48                          | 25.39                        | 25.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 665334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 25.41                       | 25.45                          | 25.49                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 25.45                       | 25.53                          | 25.52                        | 26.0                   | 0.0         |

Part27Q n77 Ant 9

| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750.01                     | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 23.77                       | 23.77                          | 23.77                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 23.37                       | 23.37                          | 23.37                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 23.37                       | 23.37                          | 23.37                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 23.39                       | 23.39                          | 23.39                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 23.63                       | 23.63                          | 23.63                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 23.34                       | 23.34                          | 23.34                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 23.18                       | 23.18                          | 23.18                        | 23.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 22.85                       | 22.85                          | 22.85                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.46                       | 22.46                          | 22.46                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.56                       | 22.56                          | 22.56                        |                        |             |
| 100             | QPSK       | 135     | 0         | 22.09                       | 22.09                          | 22.09                        | 22.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 22.59                       | 22.59                          | 22.59                        | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 21.52                       | 21.52                          | 21.52                        | 22.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 21.59                       | 21.59                          | 21.59                        | 22.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 21.74                       | 21.74                          | 21.74                        |                        |             |
| 100             | 64QAM      | 1       | 1         | 20.19                       | 20.19                          | 20.19                        |                        |             |
| 100             | 256QAM     | 1       | 1         | 18.63                       | 18.63                          | 18.63                        | 19.0                   | 5.0         |
| Channel         |            |         |           | 630668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480.02                     | 3500.01                        | 3510                         |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 23.02                       | 23.00                          | 23.51                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480                        | 3490.01                        | 3500.02                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 23.49                       | 23.67                          | 23.65                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 23.63                       | 23.68                          | 23.62                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 23.66                       | 23.72                          | 23.52                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 23.74                       | 23.67                          | 23.59                        | 24.0                   | 0.0         |



| Part27Q n78 Ant 9 |            |         |           |                     |                        |                      |                     |                   |
|-------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|-------------------|
| 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              | 24.0                | 0.0               |
| Frequency (MHz)   |            |         |           | 23.33               |                        |                      |                     |                   |
| 100               | PI2 BPSK   | 1       | 1         | 23.43               |                        |                      |                     |                   |
| 100               | PI2 BPSK   | 1       | 137       | 23.33               |                        |                      |                     |                   |
| 100               | PI2 BPSK   | 1       | 271       | 23.17               |                        |                      | 23.5                | 0.5               |
| 100               | PI2 BPSK   | 135     | 0         | 23.30               |                        |                      | 24.0                | 0.0               |
| 100               | PI2 BPSK   | 135     | 69        | 23.00               |                        |                      | 23.5                | 0.5               |
| 100               | PI2 BPSK   | 135     | 138       | 22.88               |                        |                      |                     |                   |
| 100               | PI2 BPSK   | 270     | 0         | 22.42               |                        |                      | 23.0                | 1.0               |
| 100               | QPSK       | 1       | 1         | 22.25               |                        |                      |                     |                   |
| 100               | QPSK       | 1       | 137       | 22.22               |                        |                      |                     |                   |
| 100               | QPSK       | 1       | 271       | 21.76               |                        |                      |                     |                   |
| 100               | QPSK       | 135     | 0         | 22.39               |                        |                      | 22.0                | 2.0               |
| 100               | QPSK       | 135     | 69        | 21.37               |                        |                      | 23.0                | 1.0               |
| 100               | QPSK       | 135     | 138       | 21.27               |                        |                      | 22.0                | 2.0               |
| 100               | QPSK       | 270     | 0         | 21.59               |                        |                      | 22.0                | 2.0               |
| 100               | 16QAM      | 1       | 1         | 20.01               |                        |                      |                     |                   |
| 100               | 64QAM      | 1       | 1         | 18.50               |                        |                      | 20.5                | 3.5               |
| 100               | 256QAM     | 1       | 1         | 633330              |                        | 633668               | 19.0                | 5.0               |
| Channel           |            |         |           | 633334              |                        | 3500.01              | 24.0                | 0.0               |
| Frequency (MHz)   |            |         |           | 3485                |                        | 3505.02              |                     |                   |
| 90                | PI2 BPSK   | 1       | 1         | 23.36               |                        | 23.37                | 23.22               | 24.0              |
| Channel           |            |         |           | 632068              |                        | 633334               | 634000              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3480.02             |                        | 3500.01              | 3510                | (dB)              |
| Channel           |            |         |           | 632234              |                        | 633334               | 634334              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3483.01             |                        | 3500.01              | 3515.01             | (dB)              |
| 80                | PI2 BPSK   | 1       | 1         | 23.34               |                        | 23.32                | 23.29               | 24.0              |
| Channel           |            |         |           | 632000              |                        | 633334               | 634668              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3480                |                        | 3500.01              | 3520.02             | (dB)              |
| 60                | PI2 BPSK   | 1       | 1         | 23.36               |                        | 23.46                | 23.24               | 24.0              |
| Channel           |            |         |           | 631064              |                        | 633334               | 635000              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3475.02             |                        | 3500.01              | 3525                | (dB)              |
| 50                | PI2 BPSK   | 1       | 1         | 23.39               |                        | 23.42                | 23.25               | 24.0              |
| Channel           |            |         |           | 631334              |                        | 633334               | 635334              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3478.01             |                        | 3500.01              | 3528.01             | (dB)              |
| 40                | PI2 BPSK   | 1       | 1         | 23.23               |                        | 23.35                | 23.19               | 24.0              |
| Channel           |            |         |           | 631000              |                        | 633334               | 635668              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3465                |                        | 3500.01              | 3535.02             | (dB)              |
| 30                | PI2 BPSK   | 1       | 1         | 23.32               |                        | 23.44                | 23.21               | 24.0              |
| Channel           |            |         |           | 630505              |                        | 633334               | 636000              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3460.02             |                        | 3500.01              | 3540                | (dB)              |
| 20                | PI2 BPSK   | 1       | 1         | 23.21               |                        | 23.35                | 23.43               | 24.0              |

| Part27Q n78 HPUE Ant 9 |            |         |           |                     |                        |                      |                     |                   |
|------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|-------------------|
| 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              | 24.0                | 0.0               |
| Frequency (MHz)        |            |         |           | 24.46               |                        |                      |                     |                   |
| 100                    | PI2 BPSK   | 1       | 1         | 24.62               |                        |                      |                     |                   |
| 100                    | PI2 BPSK   | 1       | 137       | 24.62               |                        |                      |                     |                   |
| 100                    | PI2 BPSK   | 1       | 271       | 24.17               |                        |                      | 25.5                | 0.5               |
| 100                    | PI2 BPSK   | 135     | 0         | 24.62               |                        |                      | 26.0                | 0.0               |
| 100                    | PI2 BPSK   | 135     | 69        | 24.26               |                        |                      | 25.5                | 0.5               |
| 100                    | PI2 BPSK   | 135     | 138       | 24.16               |                        |                      |                     |                   |
| 100                    | PI2 BPSK   | 270     | 0         | 23.92               |                        |                      | 25.0                | 1.0               |
| 100                    | QPSK       | 1       | 1         | 23.87               |                        |                      |                     |                   |
| 100                    | QPSK       | 1       | 137       | 23.81               |                        |                      |                     |                   |
| 100                    | QPSK       | 1       | 271       | 23.41               |                        |                      |                     |                   |
| 100                    | QPSK       | 135     | 0         | 23.88               |                        |                      | 24.5                | 1.5               |
| 100                    | QPSK       | 135     | 69        | 22.86               |                        |                      | 25.0                | 1.0               |
| 100                    | QPSK       | 135     | 138       | 22.56               |                        |                      | 24.5                | 1.5               |
| 100                    | QPSK       | 270     | 0         | 22.05               |                        |                      | 24.5                | 1.5               |
| 100                    | 16QAM      | 1       | 1         | 22.53               |                        |                      |                     |                   |
| 100                    | 64QAM      | 1       | 1         | 21.41               |                        |                      | 23.0                | 3.0               |
| 100                    | 256QAM     | 1       | 1         | 633330              |                        | 633668               | 21.5                | 4.5               |
| Channel                |            |         |           | 633334              |                        | 3500.01              | 24.0                | 0.0               |
| Frequency (MHz)        |            |         |           | 3485                |                        | 3505.02              |                     |                   |
| 90                     | PI2 BPSK   | 1       | 1         | 24.76               |                        | 24.70                | 24.82               | 26.0              |
| Channel                |            |         |           | 632068              |                        | 633334               | 634000              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3480.02             |                        | 3500.01              | 3510                | (dB)              |
| Channel                |            |         |           | 632234              |                        | 633334               | 634334              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3483.01             |                        | 3500.01              | 3515.01             | (dB)              |
| 80                     | PI2 BPSK   | 1       | 1         | 24.63               |                        | 24.73                | 24.69               | 26.0              |
| Channel                |            |         |           | 632000              |                        | 633334               | 634668              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3480                |                        | 3500.01              | 3520.02             | (dB)              |
| 60                     | PI2 BPSK   | 1       | 1         | 24.77               |                        | 24.81                | 24.60               | 26.0              |
| Channel                |            |         |           | 631064              |                        | 633334               | 635000              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3475.02             |                        | 3500.01              | 3525                | (dB)              |
| 50                     | PI2 BPSK   | 1       | 1         | 24.70               |                        | 24.83                | 24.66               | 26.0              |
| Channel                |            |         |           | 631334              |                        | 633334               | 635334              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3478.01             |                        | 3500.01              | 3528.01             | (dB)              |
| 40                     | PI2 BPSK   | 1       | 1         | 24.64               |                        | 24.80                | 24.77               | 26.0              |
| Channel                |            |         |           | 631000              |                        | 633334               | 635668              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3465                |                        | 3500.01              | 3535.02             | (dB)              |
| 30                     | PI2 BPSK   | 1       | 1         | 24.65               |                        | 24.69                | 24.69               | 26.0              |
| Channel                |            |         |           | 630505              |                        | 633334               | 636000              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3460.02             |                        | 3500.01              | 3540                | (dB)              |
| 20                     | PI2 BPSK   | 1       | 1         | 24.81               |                        | 24.78                | 24.96               | 26.0              |



## Reduced Power Mode for DSI1

### n2 Ant 0

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Mid<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|--------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 372000                   | 376000                   | 380000                    |                        |             |
| Frequency (MHz) |            |         |           | 1860                     | 1860                     | 1900                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 22.37                    | 22.53                    | 22.43                     | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 53        | 22.35                    | 22.49                    | 22.44                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 22.32                    | 22.40                    | 22.33                     |                        |             |
| 20              | PI2 BPSK   | 50      | 0         | 21.90                    | 21.97                    | 21.97                     | 23.5                   | 0.5         |
| 20              | PI2 BPSK   | 50      | 28        | 22.42                    | 22.49                    | 22.33                     | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 58        | 21.75                    | 21.91                    | 21.88                     | 23.5                   | 0.5         |
| 20              | PI2 BPSK   | 100     | 0         | 21.92                    | 21.94                    | 21.89                     |                        |             |
| 20              | QPSK       | 1       | 1         | 22.52                    | 22.59                    | 22.56                     | 24.0                   | 0.0         |
| 20              | QPSK       | 1       | 53        | 22.49                    | 22.56                    | 22.42                     |                        |             |
| 20              | QPSK       | 1       | 104       | 22.38                    | 22.53                    | 22.42                     |                        |             |
| 20              | QPSK       | 50      | 0         | 21.51                    | 21.58                    | 21.55                     | 23.0                   | 1.0         |
| 20              | QPSK       | 50      | 28        | 22.39                    | 22.54                    | 22.40                     | 24.0                   | 0.0         |
| 20              | QPSK       | 50      | 58        | 21.48                    | 21.54                    | 21.40                     | 23.0                   | 1.0         |
| 20              | QPSK       | 100     | 0         | 21.55                    | 21.60                    | 21.47                     |                        |             |
| 20              | 16QAM      | 1       | 1         | 21.50                    | 21.61                    | 21.50                     | 23.0                   | 1.0         |
| 20              | 64QAM      | 1       | 1         | 19.96                    | 20.12                    | 20.07                     | 21.5                   | 2.5         |
| 20              | 256QAM     | 1       | 1         | 18.03                    | 18.17                    | 18.04                     | 19.5                   | 4.5         |
| Channel         |            |         |           | 371500                   | 376000                   | 380500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 1867.5                   | 1860                     | 1902.5                    | (dBm)                  | (dB)        |
| 15              | QPSK       | 1       | 1         | 22.38                    | 22.55                    | 22.44                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 371000                   | 376000                   | 381000                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 1865                     | 1860                     | 1905                      | (dBm)                  | (dB)        |
| 10              | QPSK       | 1       | 1         | 22.33                    | 22.44                    | 22.44                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 370500                   | 376000                   | 381500                    | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 1862.5                   | 1860                     | 1907.5                    | (dBm)                  | (dB)        |
| 5               | QPSK       | 1       | 1         | 22.34                    | 22.40                    | 22.32                     | 24.0                   | 0.0         |

### n5 Ant 0

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Mid<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|--------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 166800                   | 167300                   | 167800                    |                        |             |
| Frequency (MHz) |            |         |           |                          | 834                      | 836.5                     | 839                    |             |
| 20              | PI2 BPSK   | 1       | 1         | 22.59                    | 22.73                    | 22.58                     | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 53        | 22.58                    | 22.68                    | 22.60                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 22.56                    | 22.61                    | 22.48                     |                        |             |
| 20              | PI2 BPSK   | 50      | 0         | 22.10                    | 22.18                    | 22.12                     | 23.5                   | 0.5         |
| 20              | PI2 BPSK   | 50      | 28        | 22.55                    | 22.64                    | 22.50                     | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 58        | 21.99                    | 22.04                    | 22.02                     | 23.5                   | 0.5         |
| 20              | PI2 BPSK   | 100     | 0         | 21.96                    | 22.11                    | 21.96                     |                        |             |
| 20              | QPSK       | 1       | 1         | 22.72                    | 22.80                    | 22.70                     | 24.0                   | 0.0         |
| 20              | QPSK       | 1       | 53        | 22.59                    | 22.72                    | 22.59                     |                        |             |
| 20              | QPSK       | 1       | 104       | 22.61                    | 22.67                    | 22.63                     |                        |             |
| 20              | QPSK       | 50      | 0         | 21.67                    | 21.71                    | 21.58                     | 23.0                   | 1.0         |
| 20              | QPSK       | 50      | 28        | 22.64                    | 22.72                    | 22.62                     | 24.0                   | 0.0         |
| 20              | QPSK       | 50      | 58        | 21.50                    | 21.62                    | 21.54                     | 23.0                   | 1.0         |
| 20              | QPSK       | 100     | 0         | 21.57                    | 21.68                    | 21.59                     |                        |             |
| 20              | 16QAM      | 1       | 1         | 21.71                    | 21.80                    | 21.81                     | 23.0                   | 1.0         |
| 20              | 64QAM      | 1       | 1         | 20.29                    | 20.39                    | 20.27                     | 21.5                   | 2.5         |
| 20              | 256QAM     | 1       | 1         | 18.38                    | 18.43                    | 18.33                     | 19.5                   | 4.5         |
| Channel         |            |         |           | 166300                   | 167300                   | 168300                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 831.5                    | 836.5                    | 841.5                     |                        |             |
| 15              | QPSK       | 1       | 1         | 22.62                    | 22.64                    | 22.61                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 165800                   | 167300                   | 168800                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 830                      | 836.5                    | 844                       |                        |             |
| 10              | QPSK       | 1       | 1         | 22.57                    | 22.62                    | 22.52                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 165300                   | 167300                   | 169300                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 826.5                    | 836.5                    | 846.5                     |                        |             |
| 5               | QPSK       | 1       | 1         | 22.62                    | 22.74                    | 22.58                     | 24.0                   | 0.0         |

### n12 Ant 0

| BW [MHz]        | Modulation | RB Size | RB Offset | Power              | Power                | Power               | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------|----------------------|---------------------|------------------------|-------------|
|                 |            |         |           | Low<br>Ch. / Freq. | Midle<br>Ch. / Freq. | High<br>Ch. / Freq. |                        |             |
| Channel         |            |         |           | 141300             | 141500               | 141700              |                        |             |
| Frequency (MHz) |            |         |           | 706.5              | 707.5                | 708.5               |                        |             |
| 15              | PI2 BPSK   | 1       | 1         | 22.36              | 22.40                | 22.12               | 24.0                   | 0.0         |
| 15              | PI2 BPSK   | 1       | 40        | 22.03              | 22.22                | 22.20               |                        |             |
| 15              | PI2 BPSK   | 1       | 77        | 22.28              | 22.37                | 22.09               |                        |             |
| 15              | PI2 BPSK   | 36      | 0         | 21.60              | 21.85                | 21.55               | 23.5                   | 0.5         |
| 15              | PI2 BPSK   | 36      | 22        | 22.15              | 22.33                | 22.12               | 24.0                   | 0.0         |
| 15              | PI2 BPSK   | 36      | 43        | 21.58              | 21.79                | 21.61               | 23.5                   | 0.5         |
| 15              | PI2 BPSK   | 72      | 0         | 21.63              | 21.65                | 21.61               |                        |             |
| 15              | QPSK       | 1       | 1         | 22.26              | 22.41                | 22.32               | 24.0                   | 0.0         |
| 15              | QPSK       | 1       | 40        | 22.05              | 22.35                | 22.20               |                        |             |
| 15              | QPSK       | 1       | 77        | 22.32              | 22.24                | 22.20               |                        |             |
| 15              | QPSK       | 36      | 0         | 21.24              | 21.28                | 21.09               | 23.0                   | 1.0         |
| 15              | QPSK       | 36      | 22        | 22.32              | 22.33                | 22.16               | 24.0                   | 0.0         |
| 15              | QPSK       | 36      | 43        | 21.22              | 21.27                | 21.17               | 23.0                   | 1.0         |
| 15              | QPSK       | 75      | 0         | 21.05              | 21.27                | 21.15               |                        |             |
| 15              | 16QAM      | 1       | 1         | 21.34              | 21.57                | 21.33               | 23.0                   | 1.0         |
| 15              | 64QAM      | 1       | 1         | 19.75              | 20.02                | 19.77               | 21.5                   | 2.5         |
| 15              | 256QAM     | 1       | 1         | 17.92              | 18.05                | 17.83               | 19.5                   | 4.5         |
| Channel         |            |         |           | 140800             | 141500               | 142200              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 704                | 707.5                | 711                 |                        |             |
| 10              | QPSK       | 1       | 1         | 22.08              | 22.14                | 22.15               | 24.0                   | 0.0         |
| Channel         |            |         |           | 140300             | 141500               | 142700              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 701.5              | 707.5                | 713.5               |                        |             |
| 5               | QPSK       | 1       | 1         | 22.07              | 22.28                | 22.12               | 24.0                   | 0.0         |



| n25 Ant 0       |            |         |           |                                                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|----------------------------------------------------------|-----------------------------|---------------------------|------------------------|-------------|
| 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         |            |         |           | 372000                                                   | 376500                      | 381000                    |                        |             |
| Frequency (MHz) |            |         |           | 1860                                                     | 1882.5                      | 1905                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 22.66                                                    | 22.61                       | 22.68                     | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 53        | 22.63                                                    | 22.60                       | 22.79                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 22.66                                                    | 22.63                       | 22.64                     |                        |             |
| 20              | PI2 BPSK   | 50      | 0         | 22.26                                                    | 22.13                       | 22.33                     | 23.5                   | 0.5         |
| 20              | PI2 BPSK   | 50      | 28        | 22.85                                                    | 22.62                       | 22.63                     | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 56        | 22.30                                                    | 22.31                       | 22.30                     | 23.5                   | 0.5         |
| 20              | PI2 BPSK   | 100     | 0         | 22.22                                                    | 22.31                       | 22.32                     |                        |             |
| 20              | QPSK       | 1       | 1         | 22.63                                                    | 22.66                       | 22.73                     | 24.0                   | 0.0         |
| 20              | QPSK       | 1       | 53        | 22.63                                                    | 22.74                       | 22.73                     |                        |             |
| 20              | QPSK       | 1       | 104       | 22.65                                                    | 22.68                       | 22.62                     |                        |             |
| 20              | QPSK       | 50      | 0         | 21.77                                                    | 21.77                       | 21.73                     | 23.0                   | 1.0         |
| 20              | QPSK       | 50      | 28        | 22.65                                                    | 22.75                       | 22.71                     | 24.0                   | 0.0         |
| 20              | QPSK       | 50      | 56        | 21.71                                                    | 21.86                       | 21.85                     | 23.0                   | 1.0         |
| 20              | QPSK       | 100     | 0         | 21.65                                                    | 21.81                       | 21.80                     |                        |             |
| 20              | 16QAM      | 1       | 1         | 21.76                                                    | 21.83                       | 21.81                     | 23.0                   | 1.0         |
| 20              | 64QAM      | 1       | 1         | 20.20                                                    | 20.13                       | 20.24                     | 21.5                   | 2.5         |
| 20              | 256QAM     | 1       | 1         | 18.21                                                    | 18.14                       | 18.12                     | 19.5                   | 4.5         |
| Channel         |            |         |           | 371500                                                   | 376500                      | 381500                    | Tune-up limit<br>(dbm) | MPR<br>(db) |
| Frequency (MHz) |            |         |           | 1867.5                                                   | 1882.5                      | 1907.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.58                                                    | 22.71                       | 22.58                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 371000                                                   | 376500                      | 382000                    | Tune-up limit<br>(dbm) | MPR<br>(db) |
| Frequency (MHz) |            |         |           | 1865 <th>1882.5</th> <th>1910<th><th></th></th></th>     | 1882.5                      | 1910 <th><th></th></th>   | <th></th>              |             |
| 10              | QPSK       | 1       | 1         | 22.66                                                    | 22.62                       | 22.67                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 370500                                                   | 376500                      | 382500                    | Tune-up limit<br>(dbm) | MPR<br>(db) |
| Frequency (MHz) |            |         |           | 1852.5 <th>1882.5</th> <th>1912.5<th><th></th></th></th> | 1882.5                      | 1912.5 <th><th></th></th> | <th></th>              |             |
| 5               | QPSK       | 1       | 1         | 22.76                                                    | 22.71                       | 22.52                     | 24.0                   | 0.0         |

| n66 Ant 0       |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| 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         |            |         |           | 343000                   | 349000                      | 354000                    |                        |             |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 22.16                    | 22.27                       | 22.15                     | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 53        | 22.21                    | 22.21                       | 22.17                     |                        |             |
| 20              | PI2 BPSK   | 1       | 104       | 22.04                    | 22.21                       | 22.13                     |                        |             |
| 20              | PI2 BPSK   | 50      | 0         | 21.55                    | 21.65                       | 21.64                     | 23.5                   | 0.5         |
| 20              | PI2 BPSK   | 50      | 28        | 22.06                    | 22.23                       | 22.08                     | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 50      | 56        | 21.56                    | 21.66                       | 21.51                     | 23.5                   | 0.5         |
| 20              | PI2 BPSK   | 100     | 0         | 21.55                    | 21.53                       | 21.60                     |                        |             |
| 20              | QPSK       | 1       | 1         | 22.25                    | 22.38                       | 22.22                     | 24.0                   | 0.0         |
| 20              | QPSK       | 1       | 53        | 22.16                    | 22.32                       | 22.21                     |                        |             |
| 20              | QPSK       | 1       | 104       | 22.16                    | 22.24                       | 22.22                     |                        |             |
| 20              | QPSK       | 50      | 0         | 21.12                    | 21.24                       | 21.21                     | 23.0                   | 1.0         |
| 20              | QPSK       | 50      | 28        | 22.25                    | 22.26                       | 22.18                     | 24.0                   | 0.0         |
| 20              | QPSK       | 50      | 56        | 21.05                    | 21.18                       | 21.03                     | 23.0                   | 1.0         |
| 20              | QPSK       | 100     | 0         | 21.17                    | 21.20                       | 21.14                     |                        |             |
| 20              | 16QAM      | 1       | 1         | 21.23                    | 21.39                       | 21.18                     | 23.0                   | 1.0         |
| 20              | 64QAM      | 1       | 1         | 19.62                    | 19.86                       | 19.72                     | 21.5                   | 2.5         |
| 20              | 256QAM     | 1       | 1         | 17.64                    | 17.81                       | 17.73                     | 19.5                   | 4.5         |
| Channel         |            |         |           | 343500                   | 349000                      | 354500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.20                    | 22.31                       | 22.12                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 343000                   | 349000                      | 353000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1715                     | 1745                        | 1775                      |                        |             |
| 10              | QPSK       | 1       | 1         | 22.19                    | 22.22                       | 22.14                     | 24.0                   | 0.0         |
| Channel         |            |         |           | 342500                   | 349000                      | 355500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1712.5                   | 1745                        | 1777.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 22.08                    | 22.21                       | 22.13                     | 24.0                   | 0.0         |



| n5 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                 |                     |          |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | Pl2 BPSK   | 1       | 1         | 22.11                 | 22.22                    | 22.14                  |                     |          |  |
| 20              | Pl2 BPSK   | 1       | 53        | 22.07                 | 22.15                    | 22.09                  | 23.0                |          |  |
| 20              | Pl2 BPSK   | 1       | 104       | 22.09                 | 22.12                    | 22.08                  |                     |          |  |
| 20              | Pl2 BPSK   | 50      | 0         | 21.53                 | 21.55                    | 21.52                  | 22.5                | 0.5      |  |
| 20              | Pl2 BPSK   | 50      | 28        | 22.01                 | 22.17                    | 22.07                  | 23.0                | 0.0      |  |
| 20              | Pl2 BPSK   | 50      | 56        | 21.51                 | 21.53                    | 21.54                  | 22.5                | 0.5      |  |
| 20              | Pl2 BPSK   | 100     | 0         | 21.56                 | 21.53                    | 21.51                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.18                 | 22.28                    | 22.18                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.12                 | 22.24                    | 22.17                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 22.10                 | 22.18                    | 22.10                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.11                 | 21.18                    | 21.09                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.05                 | 22.19                    | 22.07                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.01                 | 21.04                    | 21.02                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.02                 | 21.10                    | 21.07                  | 22.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.18                 | 21.12                    | 21.26                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.70                 | 19.51                    | 19.64                  | 20.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 17.74                 | 17.73                    | 17.64                  | 18.5                | 4.5      |  |
| Channel         |            |         |           | 165300                | 167200                   | 169100                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.07                 | 22.14                    | 22.10                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 836                   | 838.5                    | 841                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.01                 | 22.10                    | 22.07                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 837.5                 | 838.5                    | 839.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.15                 | 22.22                    | 22.15                  | 23.0                | 0.0      |  |

| n7 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | Pl2 BPSK   | 1       | 1         | 22.12                 | 22.26                    | 22.17                  |                     |          |  |
| 20              | Pl2 BPSK   | 1       | 53        | 22.13                 | 22.24                    | 22.17                  | 23.0                | 0.0      |  |
| 20              | Pl2 BPSK   | 1       | 104       | 22.11                 | 22.15                    | 22.05                  |                     |          |  |
| 20              | Pl2 BPSK   | 50      | 0         | 21.51                 | 21.56                    | 21.53                  | 22.5                | 0.5      |  |
| 20              | Pl2 BPSK   | 50      | 28        | 22.12                 | 22.24                    | 22.10                  | 23.0                | 0.0      |  |
| 20              | Pl2 BPSK   | 50      | 56        | 21.54                 | 21.53                    | 21.55                  | 22.5                | 0.5      |  |
| 20              | Pl2 BPSK   | 100     | 0         | 21.51                 | 21.52                    | 21.61                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.30                 | 22.35                    | 22.22                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.18                 | 22.31                    | 22.27                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 22.15                 | 22.24                    | 22.15                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.05                 | 21.19                    | 21.18                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.15                 | 22.25                    | 22.18                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.01                 | 21.08                    | 21.05                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.02                 | 21.13                    | 21.05                  | 22.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.15                 | 21.22                    | 21.12                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.80                 | 19.76                    | 19.74                  | 20.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 17.59                 | 17.68                    | 17.58                  | 18.5                | 4.5      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.11                 | 22.29                    | 22.13                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.15                 | 22.25                    | 22.12                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.11                 | 22.18                    | 22.08                  | 23.0                | 0.0      |  |

| n12 Ant 1       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 141300                | 141500                   | 141700                 |                     |          |  |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |          |  |
| 15              | Pl2 BPSK   | 1       | 1         | 21.60                 | 22.07                    | 21.73                  |                     |          |  |
| 15              | Pl2 BPSK   | 1       | 40        | 21.67                 | 21.97                    | 21.86                  | 23.0                | 0.0      |  |
| 15              | Pl2 BPSK   | 1       | 77        | 21.89                 | 21.87                    | 21.89                  |                     |          |  |
| 15              | Pl2 BPSK   | 36      | 0         | 21.12                 | 21.22                    | 21.17                  | 22.5                | 0.5      |  |
| 15              | Pl2 BPSK   | 36      | 23        | 21.84                 | 21.86                    | 21.78                  | 23.0                | 0.0      |  |
| 15              | Pl2 BPSK   | 36      | 63        | 21.32                 | 21.32                    | 21.08                  | 22.5                | 0.5      |  |
| 15              | Pl2 BPSK   | 75      | 0         | 21.33                 | 21.35                    | 21.24                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 21.81                 | 22.08                    | 22.00                  |                     |          |  |
| 15              | QPSK       | 1       | 40        | 21.85                 | 21.83                    | 21.72                  | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 77        | 21.83                 | 21.84                    | 21.90                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 20.73                 | 20.75                    | 20.81                  | 22.0                | 1.0      |  |
| 15              | QPSK       | 36      | 22        | 21.70                 | 21.96                    | 21.70                  | 23.0                | 0.0      |  |
| 15              | QPSK       | 36      | 63        | 20.78                 | 20.92                    | 20.64                  | 22.0                | 1.0      |  |
| 15              | QPSK       | 75      | 0         | 20.68                 | 20.65                    | 20.72                  | 22.0                | 1.0      |  |
| 15              | 16QAM      | 1       | 1         | 21.03                 | 21.19                    | 21.11                  | 22.0                | 1.0      |  |
| 15              | 64QAM      | 1       | 1         | 19.48                 | 19.52                    | 19.48                  | 20.5                | 2.5      |  |
| 15              | 256QAM     | 1       | 1         | 17.32                 | 17.58                    | 17.30                  | 18.5                | 4.5      |  |
| Channel         |            |         |           | 140800                | 141500                   | 142200                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 21.24                 | 21.39                    | 21.42                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 140300                | 141500                   | 142700                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 21.28                 | 21.38                    | 21.39                  | 23.0                | 0.0      |  |





| n2 Ant 5        |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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         |            |         |           | 372000                | 376000                   | 380000                 |                     |          |     |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |     |
| 20              | Pl2 BPSK   | 1       | 1         | 22.69                 | 22.69                    | 22.62                  |                     | 24.0     | 0.0 |
| 20              | Pl2 BPSK   | 1       | 53        | 22.53                 | 22.68                    | 22.60                  |                     |          |     |
| 20              | Pl2 BPSK   | 1       | 104       | 22.36                 | 22.42                    | 22.52                  |                     |          |     |
| 20              | Pl2 BPSK   | 50      | 0         | 22.16                 | 22.02                    | 22.09                  | 23.5                | 0.5      |     |
| 20              | Pl2 BPSK   | 50      | 28        | 22.50                 | 22.56                    | 22.36                  | 24.0                | 0.0      |     |
| 20              | Pl2 BPSK   | 50      | 56        | 22.00                 | 22.05                    | 21.97                  | 23.5                | 0.5      |     |
| 20              | Pl2 BPSK   | 100     | 0         | 21.86                 | 21.99                    | 21.97                  |                     |          |     |
| 20              | QPSK       | 1       | 1         | 22.57                 | 22.79                    | 22.46                  |                     | 24.0     | 0.0 |
| 20              | QPSK       | 1       | 53        | 22.46                 | 22.58                    | 22.58                  |                     |          |     |
| 20              | QPSK       | 1       | 104       | 22.41                 | 22.71                    | 22.43                  |                     |          |     |
| 20              | QPSK       | 50      | 0         | 21.48                 | 21.65                    | 21.66                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 50      | 28        | 22.50                 | 22.65                    | 22.46                  | 24.0                | 0.0      |     |
| 20              | QPSK       | 50      | 56        | 21.31                 | 21.49                    | 21.41                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 100     | 0         | 21.66                 | 21.67                    | 21.53                  | 23.0                | 1.0      |     |
| 20              | 16QAM      | 1       | 1         | 21.48                 | 21.69                    | 21.40                  | 23.0                | 1.0      |     |
| 20              | 64QAM      | 1       | 1         | 20.11                 | 20.19                    | 20.13                  | 21.5                | 2.5      |     |
| 20              | 256QAM     | 1       | 1         | 18.34                 | 18.24                    | 18.27                  | 19.5                | 4.5      |     |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |     |
| 15              | QPSK       | 1       | 1         | 22.63                 | 22.69                    | 22.58                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 1845                  | 1880                     | 1905                   |                     |          |     |
| 10              | QPSK       | 1       | 1         | 22.46                 | 22.56                    | 22.39                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 1832.5                | 1880                     | 1907.5                 |                     |          |     |
| 5               | QPSK       | 1       | 1         | 22.40                 | 22.48                    | 22.49                  | 24.0                | 0.0      |     |

| n7 Ant 5        |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |     |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |     |
| 20              | Pl2 BPSK   | 1       | 1         | 22.32                 | 22.49                    | 22.48                  |                     | 24.0     | 0.0 |
| 20              | Pl2 BPSK   | 1       | 53        | 22.29                 | 22.41                    | 22.30                  |                     |          |     |
| 20              | Pl2 BPSK   | 1       | 104       | 22.24                 | 22.39                    | 22.34                  |                     |          |     |
| 20              | Pl2 BPSK   | 50      | 0         | 21.59                 | 21.71                    | 21.59                  | 23.5                | 0.5      |     |
| 20              | Pl2 BPSK   | 50      | 28        | 22.30                 | 22.40                    | 22.28                  | 24.0                | 0.0      |     |
| 20              | Pl2 BPSK   | 50      | 56        | 21.56                 | 21.63                    | 21.61                  | 23.5                | 0.5      |     |
| 20              | Pl2 BPSK   | 100     | 0         | 21.54                 | 21.63                    | 21.62                  |                     |          |     |
| 20              | QPSK       | 1       | 1         | 22.36                 | 22.56                    | 22.55                  |                     | 24.0     | 0.0 |
| 20              | QPSK       | 1       | 53        | 22.35                 | 22.49                    | 22.38                  |                     |          |     |
| 20              | QPSK       | 1       | 104       | 22.35                 | 22.48                    | 22.36                  |                     |          |     |
| 20              | QPSK       | 50      | 0         | 21.28                 | 21.37                    | 21.32                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 50      | 28        | 22.32                 | 22.47                    | 22.36                  | 24.0                | 0.0      |     |
| 20              | QPSK       | 50      | 56        | 21.12                 | 21.25                    | 21.24                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 100     | 0         | 21.12                 | 21.31                    | 21.20                  | 23.0                | 1.0      |     |
| 20              | 16QAM      | 1       | 1         | 21.39                 | 21.48                    | 21.29                  | 23.0                | 1.0      |     |
| 20              | 64QAM      | 1       | 1         | 19.87                 | 20.00                    | 19.85                  | 21.5                | 2.5      |     |
| 20              | 256QAM     | 1       | 1         | 17.71                 | 17.83                    | 17.79                  | 19.5                | 4.5      |     |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |     |
| 15              | QPSK       | 1       | 1         | 22.14                 | 22.31                    | 22.25                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2495                  | 2535                     | 2565                   |                     |          |     |
| 10              | QPSK       | 1       | 1         | 22.07                 | 22.21                    | 22.12                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2482.5                | 2535                     | 2567.5                 |                     |          |     |
| 5               | QPSK       | 1       | 1         | 22.04                 | 22.20                    | 22.17                  | 24.0                | 0.0      |     |

| n66 Ant 5       |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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         |            |         |           | 346000                | 349000                   | 356000                 |                     |          |     |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |     |
| 20              | Pl2 BPSK   | 1       | 1         | 22.12                 | 22.38                    | 22.19                  |                     | 24.0     | 0.0 |
| 20              | Pl2 BPSK   | 1       | 53        | 22.21                 | 22.23                    | 22.19                  |                     |          |     |
| 20              | Pl2 BPSK   | 1       | 104       | 22.04                 | 22.11                    | 22.02                  |                     |          |     |
| 20              | Pl2 BPSK   | 50      | 0         | 21.53                 | 21.78                    | 21.58                  | 23.5                | 0.5      |     |
| 20              | Pl2 BPSK   | 50      | 28        | 22.13                 | 22.30                    | 22.15                  | 24.0                | 0.0      |     |
| 20              | Pl2 BPSK   | 50      | 56        | 22.16                 | 21.60                    | 21.63                  | 23.5                | 0.5      |     |
| 20              | Pl2 BPSK   | 100     | 0         | 21.53                 | 21.58                    | 21.51                  |                     |          |     |
| 20              | QPSK       | 1       | 1         | 22.34                 | 22.37                    | 22.36                  |                     | 24.0     | 0.0 |
| 20              | QPSK       | 1       | 53        | 22.12                 | 22.28                    | 22.19                  |                     |          |     |
| 20              | QPSK       | 1       | 104       | 22.17                 | 22.21                    | 22.17                  |                     |          |     |
| 20              | QPSK       | 50      | 0         | 21.13                 | 21.23                    | 21.06                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 50      | 28        | 22.26                 | 22.33                    | 22.21                  | 24.0                | 0.0      |     |
| 20              | QPSK       | 50      | 56        | 21.02                 | 21.61                    | 21.03                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 100     | 0         | 21.03                 | 21.16                    | 21.15                  | 23.0                | 1.0      |     |
| 20              | 16QAM      | 1       | 1         | 21.21                 | 21.28                    | 21.18                  | 23.0                | 1.0      |     |
| 20              | 64QAM      | 1       | 1         | 19.63                 | 19.74                    | 19.75                  | 21.5                | 2.5      |     |
| 20              | 256QAM     | 1       | 1         | 17.64                 | 17.91                    | 17.69                  | 19.5                | 4.5      |     |
| Channel         |            |         |           | 345500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |     |
| 15              | QPSK       | 1       | 1         | 22.17                 | 22.33                    | 22.12                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 345000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |     |
| 10              | QPSK       | 1       | 1         | 22.21                 | 22.28                    | 22.13                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |     |
| 5               | QPSK       | 1       | 1         | 22.22                 | 22.31                    | 22.12                  | 24.0                | 0.0      |     |



| n38 Ant 5       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 5090.02               | 5095                     | 5099.98                |                     |          |
| Frequency (MHz) |            |         |           | 21.99                 | 22.02                    | 22.09                  |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 21.99                 | 22.02                    | 22.09                  |                     |          |
| 40              | PI2 BPSK   | 1       | 53        | 21.89                 | 21.96                    | 21.94                  | 23.0                | 0.0      |
| 40              | PI2 BPSK   | 1       | 104       | 21.86                 | 21.89                    | 21.80                  |                     |          |
| 40              | PI2 BPSK   | 50      | 0         | 21.30                 | 21.43                    | 21.27                  | 22.5                | 0.5      |
| 40              | PI2 BPSK   | 50      | 28        | 21.89                 | 21.96                    | 21.90                  | 23.0                | 0.0      |
| 40              | PI2 BPSK   | 50      | 56        | 21.21                 | 21.34                    | 21.26                  | 22.5                | 0.5      |
| 40              | PI2 BPSK   | 100     | 0         | 21.21                 | 21.38                    | 21.30                  |                     |          |
| 40              | QPSK       | 1       | 1         | 21.92                 | 22.09                    | 22.00                  |                     |          |
| 40              | QPSK       | 1       | 53        | 21.96                 | 21.98                    | 21.98                  | 23.0                | 0.0      |
| 40              | QPSK       | 1       | 104       | 21.89                 | 21.95                    | 21.83                  |                     |          |
| 40              | QPSK       | 50      | 0         | 20.79                 | 20.95                    | 20.83                  | 22.0                | 1.0      |
| 40              | QPSK       | 50      | 28        | 21.93                 | 22.01                    | 21.92                  | 23.0                | 0.0      |
| 40              | QPSK       | 50      | 56        | 20.70                 | 20.80                    | 20.72                  |                     |          |
| 40              | QPSK       | 100     | 0         | 20.92                 | 20.98                    | 20.78                  | 22.0                | 1.0      |
| 40              | 16QAM      | 1       | 1         | 20.89                 | 21.05                    | 21.01                  | 22.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 19.99                 | 19.96                    | 19.61                  | 20.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 17.57                 | 17.51                    | 17.46                  | 18.5                | 4.5      |
| Channel         |            |         |           | 5100.02               | 5100.00                  | 5200.00                |                     |          |
| Frequency (MHz) |            |         |           | 2568.01               | 2595                     | 2604.99                |                     |          |
| 30              | QPSK       | 1       | 1         | 21.86                 | 21.89                    | 21.84                  | 23.0                | 0.0      |
| Channel         |            |         |           | 5160.00               | 5160.00                  | 5200.00                |                     |          |
| Frequency (MHz) |            |         |           | 2590                  | 2595                     | 2610                   |                     |          |
| 20              | QPSK       | 1       | 1         | 21.80                 | 21.85                    | 21.77                  | 23.0                | 0.0      |

| n41 Ant 5       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 5090.02               | 51898                    | 528000                 |                     |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.07                 | 22.10                    | 22.11                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.03                 | 22.07                    | 22.05                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.95                 | 21.95                    | 22.00                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.66                 | 21.65                    | 21.71                  | 22.5                | 0.5      |
| 100             | PI2 BPSK   | 135     | 69        | 22.07                 | 22.09                    | 22.06                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.73                 | 21.76                    | 21.76                  | 22.5                | 0.5      |
| 100             | PI2 BPSK   | 270     | 0         | 21.80                 | 21.57                    | 21.55                  |                     |          |
| 100             | QPSK       | 1       | 1         | 22.08                 | 22.13                    | 22.10                  |                     |          |
| 100             | QPSK       | 1       | 137       | 22.11                 | 22.08                    | 22.08                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.07                 | 22.02                    | 22.06                  |                     |          |
| 100             | QPSK       | 135     | 0         | 21.01                 | 21.03                    | 21.00                  | 22.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 21.63                 | 21.67                    | 21.64                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.19                 | 21.16                    | 21.18                  | 22.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 21.25                 | 21.20                    | 21.24                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 21.13                 | 21.13                    | 21.12                  | 22.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.53                 | 19.52                    | 19.53                  | 20.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 17.68                 | 17.67                    | 17.71                  | 18.5                | 4.5      |
| Channel         |            |         |           | 509200                | 51898                    | 528000                 |                     |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |                     |          |
| 90              | QPSK       | 1       | 1         | 21.93                 | 21.90                    | 21.95                  | 23.0                | 0.0      |
| Channel         |            |         |           | 507204                | 51898                    | 528000                 |                     |          |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2650                   |                     |          |
| 80              | QPSK       | 1       | 1         | 21.88                 | 21.85                    | 21.90                  | 23.0                | 0.0      |
| Channel         |            |         |           | 506202                | 51898                    | 531000                 |                     |          |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2650                   |                     |          |
| 70              | QPSK       | 1       | 1         | 21.19                 | 21.80                    | 21.77                  | 23.0                | 0.0      |
| Channel         |            |         |           | 505200                | 51898                    | 531998                 |                     |          |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |
| 60              | QPSK       | 1       | 1         | 21.93                 | 21.90                    | 21.94                  | 23.0                | 0.0      |
| Channel         |            |         |           | 502200                | 51898                    | 536998                 |                     |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |
| 50              | QPSK       | 1       | 1         | 21.87                 | 21.86                    | 21.90                  | 23.0                | 0.0      |
| Channel         |            |         |           | 500202                | 51898                    | 536000                 |                     |          |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |
| 40              | QPSK       | 1       | 1         | 21.80                 | 21.78                    | 21.82                  | 23.0                | 0.0      |
| Channel         |            |         |           | 502200                | 51898                    | 536998                 |                     |          |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |
| 30              | QPSK       | 1       | 1         | 21.67                 | 21.69                    | 21.69                  | 23.0                | 0.0      |
| Channel         |            |         |           | 501204                | 51898                    | 535998                 |                     |          |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |
| 20              | QPSK       | 1       | 1         | 21.93                 | 21.94                    | 21.91                  | 23.0                | 0.0      |

| n41 HPUE Ant 5  |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 5090.02               | 51898                    | 528000                 |                     |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.07                 | 22.10                    | 22.12                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.06                 | 22.07                    | 22.05                  | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 23.96                 | 24.01                    | 23.99                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 23.51                 | 23.54                    | 23.52                  | 24.5                | 0.5      |
| 100             | PI2 BPSK   | 135     | 69        | 23.89                 | 23.88                    | 23.86                  | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 23.46                 | 23.49                    | 23.46                  | 24.5                | 0.5      |
| 100             | PI2 BPSK   | 270     | 0         | 23.42                 | 23.46                    | 23.46                  |                     |          |
| 100             | QPSK       | 1       | 1         | 23.97                 | 24.03                    | 24.02                  |                     |          |
| 100             | QPSK       | 1       | 137       | 23.75                 | 23.69                    | 23.76                  | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.74                 | 23.77                    | 23.73                  |                     |          |
| 100             | QPSK       | 135     | 0         | 23.07                 | 23.06                    | 23.09                  | 24.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.75                 | 23.77                    | 23.75                  | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 22.77                 | 22.80                    | 22.80                  | 24.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 22.83                 | 22.85                    | 22.84                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 23.07                 | 23.07                    | 23.07                  | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.54                 | 21.52                    | 21.48                  | 22.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.60                 | 19.53                    | 19.57                  | 20.5                | 4.5      |
| Channel         |            |         |           | 509200                | 51898                    | 528000                 |                     |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |                     |          |
| 90              | QPSK       | 1       | 1         | 23.78                 | 23.77                    | 23.84                  | 25.0                | 0.0      |
| Channel         |            |         |           | 507204                | 51898                    | 528000                 |                     |          |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2650                   |                     |          |
| 80              | QPSK       | 1       | 1         | 23.99                 | 23.91                    | 23.85                  | 25.0                | 0.0      |
| Channel         |            |         |           | 506202                | 51898                    | 531000                 |                     |          |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2650                   |                     |          |
| 70              | QPSK       | 1       | 1         | 23.91                 | 23.85                    | 23.84                  | 25.0                | 0.0      |
| Channel         |            |         |           | 505200                | 51898                    | 531998                 |                     |          |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |
| 60              | QPSK       | 1       | 1         | 23.87                 | 23.92                    | 23.87                  | 25.0                | 0.0      |
| Channel         |            |         |           | 502200                | 51898                    | 536998                 |                     |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |
| 50              | QPSK       | 1       | 1         | 23.94                 | 23.94                    | 23.90                  | 25.0                | 0.0      |
| Channel         |            |         |           | 500202                | 51898                    | 536000                 |                     |          |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |
| 40              | QPSK       | 1       | 1         | 23.87                 | 23.84                    | 23.86                  | 25.0                | 0.0      |
| Channel         |            |         |           | 502200                | 51898                    | 536998                 |                     |          |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |
| 30              | QPSK       | 1       | 1         | 23.84                 | 23.84                    | 23.91                  | 25.0                | 0.0      |
| Channel         |            |         |           | 501204                | 51898                    | 535998                 |                     |          |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |
| 20              | QPSK       | 1       | 1         | 23.93                 | 23.89                    | 23.84                  | 25.0                | 0.0      |



| n48 Part96 Ant 5 |            |         |           |                       |                          |                        |          |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | MPR (dB) |
| Channel          |            |         |           | 636000                | 641686                   | 646332                 |          |
| Frequency (MHz)  |            |         |           | 3570                  | 3624.99                  | 3679.98                |          |
| 40               | PI2 BPSK   | 1       | 1         | 22.06                 | 22.20                    | 22.12                  |          |
| 40               | PI2 BPSK   | 1       | 53        | 22.02                 | 22.10                    | 22.12                  | 23.0     |
| 40               | PI2 BPSK   | 1       | 104       | 22.18                 | 22.17                    | 22.16                  |          |
| 40               | PI2 BPSK   | 50      | 0         | 21.36                 | 21.52                    | 21.43                  | 22.5     |
| 40               | PI2 BPSK   | 50      | 26        | 21.94                 | 22.03                    | 22.04                  | 23.0     |
| 40               | PI2 BPSK   | 50      | 56        | 21.43                 | 21.50                    | 21.34                  | 22.5     |
| 40               | PI2 BPSK   | 100     | 0         | 21.47                 | 21.54                    | 21.51                  | 22.5     |
| 40               | QPSK       | 1       | 1         | 22.18                 | 22.33                    | 22.09                  |          |
| 40               | QPSK       | 1       | 53        | 22.01                 | 22.16                    | 22.00                  | 23.0     |
| 40               | QPSK       | 1       | 104       | 22.00                 | 22.11                    | 22.02                  |          |
| 40               | QPSK       | 50      | 0         | 20.99                 | 21.06                    | 21.00                  | 22.0     |
| 40               | QPSK       | 50      | 26        | 22.99                 | 22.14                    | 22.02                  | 23.0     |
| 40               | QPSK       | 50      | 56        | 20.81                 | 20.95                    | 20.80                  |          |
| 40               | QPSK       | 100     | 0         | 20.96                 | 21.03                    | 20.92                  | 22.0     |
| 40               | 16QAM      | 1       | 1         | 21.24                 | 21.28                    | 21.21                  | 22.0     |
| 40               | 64QAM      | 1       | 1         | 19.79                 | 19.82                    | 19.66                  | 20.5     |
| 40               | 256QAM     | 1       | 1         | 17.56                 | 17.71                    | 17.64                  | 18.5     |
| Channel          |            |         |           | 636000                | 641686                   | 646332                 |          |
| Frequency (MHz)  |            |         |           | 3660.01               | 3624.99                  | 3660.01                |          |
| 20               | QPSK       | 1       | 1         | 21.77                 | 22.04                    | 21.99                  | 23.0     |

| Part270 n77 Ant 5 |            |         |           |                                    |                                       |                                     |                        |             |
|-------------------|------------|---------|-----------|------------------------------------|---------------------------------------|-------------------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>650000 | Power Middle<br>Ch. / Freq.<br>656000 | Power High<br>Ch. / Freq.<br>660000 | Time-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz)   |            |         |           | 3750                               | 3840                                  | 3900                                |                        |             |
| 100               | PI2 BPSK   | 1       | 1         | 21.26                              | 21.43                                 | 21.32                               |                        |             |
| 100               | PI2 BPSK   | 1       | 137       | 21.25                              | 21.39                                 | 21.37                               | 23.0                   | 0.0         |
| 100               | PI2 BPSK   | 1       | 271       | 21.22                              | 21.23                                 | 21.20                               |                        |             |
| 100               | PI2 BPSK   | 135     | 0         | 21.20                              | 21.35                                 | 21.31                               | 22.5                   | 0.5         |
| 100               | PI2 BPSK   | 135     | 69        | 21.32                              | 21.34                                 | 21.30                               | 23.0                   | 0.0         |
| 100               | PI2 BPSK   | 135     | 138       | 21.27                              | 21.32                                 | 21.28                               |                        |             |
| 100               | PI2 BPSK   | 270     | 0         | 21.21                              | 21.24                                 | 21.14                               | 22.5                   | 0.5         |
| 100               | QPSK       | 1       | 1         | 21.44                              | 21.49                                 | 21.35                               |                        |             |
| 100               | QPSK       | 1       | 137       | 21.31                              | 21.42                                 | 21.27                               | 23.0                   | 0.0         |
| 100               | QPSK       | 1       | 271       | 21.31                              | 21.39                                 | 21.32                               |                        |             |
| 100               | QPSK       | 135     | 0         | 21.19                              | 21.31                                 | 21.21                               | 22.0                   | 1.0         |
| 100               | QPSK       | 135     | 69        | 21.35                              | 21.41                                 | 21.39                               | 23.0                   |             |
| 100               | QPSK       | 135     | 138       | 20.97                              | 20.91                                 | 20.98                               | 22.0                   | 1.0         |
| 100               | QPSK       | 270     | 0         | 20.43                              | 20.37                                 | 20.50                               |                        |             |
| 100               | 16QAM      | 1       | 1         | 21.31                              | 21.40                                 | 21.26                               | 22.0                   | 1.0         |
| 100               | 64QAM      | 1       | 1         | 19.68                              | 19.69                                 | 19.74                               | 20.5                   | 2.5         |
| 100               | 256QAM     | 1       | 1         | 17.80                              | 17.84                                 | 17.78                               | 18.5                   | 4.5         |
| Channel           |            |         |           | 649334                             | 655000                                | 660666                              | Time-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3740.01                            | 3840                                  | 3940.02                             | 23.0                   | 0.0         |
| 80                | QPSK       | 1       | 1         | 21.24                              | 21.27                                 | 21.26                               | 23.0                   | 0.0         |
| Channel           |            |         |           | 648668                             | 655000                                | 663334                              | Time-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3730.02                            | 3840                                  | 3950.01                             | 23.0                   | 0.0         |
| 60                | QPSK       | 1       | 1         | 21.35                              | 21.40                                 | 21.33                               | 23.0                   | 0.0         |
| Channel           |            |         |           | 648000                             | 656000                                | 664000                              | Time-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3720                               | 3840                                  | 3960                                | 23.0                   | 0.0         |
| 40                | QPSK       | 1       | 1         | 21.29                              | 21.37                                 | 21.29                               | 23.0                   | 0.0         |
| Channel           |            |         |           | 647668                             | 656000                                | 664334                              | Time-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3715.02                            | 3840                                  | 3965.01                             | 23.0                   | 0.0         |
| 30                | QPSK       | 1       | 1         | 21.31                              | 21.32                                 | 21.20                               | 23.0                   | 0.0         |
| Channel           |            |         |           | 647234                             | 655000                                | 663000                              | Time-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 3710.01                            | 3840                                  | 3970.02                             | 23.0                   | 0.0         |
| 20                | QPSK       | 1       | 1         | 21.28                              | 21.31                                 | 21.25                               | 23.0                   | 0.0         |

| Part270 n77 HPUE Ant 5 |            |         |           |                       |                          |                        |                    |          |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------------------|----------|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power/Low Ch. / Freq. | Power/Middle Ch. / Freq. | Power/High Ch. / Freq. | Turn-up time (dBm) | MPR (dB) |
| Channel                |            |         |           | 650000                | 656000                   | 662000                 |                    |          |
| Frequency (MHz)        |            |         |           | 3750                  | 3840                     | 3930                   |                    |          |
| 100                    | PI2 BPSK   | 1       | 1         | 24.02                 | 24.07                    | 24.06                  |                    |          |
| 100                    | PI2 BPSK   | 1       | 137       | 24.01                 | 24.02                    | 24.01                  | 26.0               | 0.0      |
| 100                    | PI2 BPSK   | 1       | 271       | 24.02                 | 24.03                    | 24.03                  |                    |          |
| 100                    | PI2 BPSK   | 135     | 0         | 23.97                 | 24.02                    | 23.98                  | 25.5               | 0.5      |
| 100                    | PI2 BPSK   | 135     | 69        | 24.10                 | 24.05                    | 24.01                  | 26.0               | 0.0      |
| 100                    | PI2 BPSK   | 135     | 138       | 23.86                 | 23.93                    | 23.83                  |                    |          |
| 100                    | PI2 BPSK   | 270     | 0         | 23.98                 | 24.05                    | 23.80                  | 25.5               | 0.5      |
| 100                    | QPSK       | 1       | 1         | 24.08                 | 24.30                    | 24.02                  |                    |          |
| 100                    | QPSK       | 1       | 137       | 24.07                 | 24.07                    | 24.02                  | 26.0               | 0.0      |
| 100                    | QPSK       | 1       | 271       | 24.03                 | 24.02                    | 24.01                  |                    |          |
| 100                    | QPSK       | 135     | 0         | 23.87                 | 24.02                    | 23.92                  | 25.0               | 1.0      |
| 100                    | QPSK       | 135     | 69        | 24.01                 | 24.09                    | 24.02                  | 26.0               | 0.0      |
| 100                    | QPSK       | 135     | 138       | 24.01                 | 24.02                    | 23.95                  | 25.0               | 0.0      |
| 100                    | QPSK       | 270     | 0         | 23.88                 | 24.00                    | 23.89                  | 25.0               | 0.0      |
| 100                    | 16QAM      | 1       | 1         | 23.23                 | 23.26                    | 23.25                  | 25.0               | 1.0      |
| 100                    | 64QAM      | 1       | 1         | 21.53                 | 21.54                    | 21.51                  | 23.5               | 2.5      |
| 100                    | 256QAM     | 1       | 1         | 20.10                 | 20.28                    | 20.25                  | 21.5               | 4.5      |
| Channel                |            |         |           | 649334                | 656000                   | 662666                 |                    |          |
| Frequency (MHz)        |            |         |           | 3740.01               | 3840                     | 3940.02                |                    |          |
| 80                     | QPSK       | 1       | 1         | 24.06                 | 24.08                    | 23.99                  | 26.0               | 0.0      |
| Channel                |            |         |           | 648000                | 656000                   | 663334                 | Turn-up time (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3730.02               | 3840                     | 3950.01                | 26.0               | 0.0      |
| 60                     | QPSK       | 1       | 1         | 23.98                 | 24.04                    | 23.91                  | 26.0               | 0.0      |
| Channel                |            |         |           | 648000                | 656000                   | 664000                 | Turn-up time (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3720                  | 3840                     | 3960                   | 26.0               | 0.0      |
| 40                     | QPSK       | 1       | 1         | 23.91                 | 24.04                    | 23.89                  | 23.0               | 0.0      |
| Channel                |            |         |           | 647668                | 656000                   | 664334                 | Turn-up time (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3715.02               | 3840                     | 3965.01                | 23.0               | 0.0      |
| 30                     | QPSK       | 1       | 1         | 23.98                 | 24.07                    | 23.98                  | 26.0               | 0.0      |
| Channel                |            |         |           | 647234                | 655000                   | 663000                 | Turn-up time (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3710.01               | 3840                     | 3970.02                | 26.0               | 0.0      |
| 20                     | QPSK       | 1       | 1         | 23.98                 | 24.10                    | 23.99                  | 26.0               | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.52                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 21.49                 |                          |                        | 23.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 21.40                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 21.24                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.32                 |                          |                        | 23.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 21.21                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 21.16                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.60                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.54                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.47                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.17                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 21.36                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.15                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 21.25                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 21.46                 |                          |                        | 22.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.91                 |                          |                        | 20.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 17.92                 |                          |                        | 18.5                | 4.5      |
| Channel         |            |         |           | 632968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | QPSK       | 1       | 1         | 21.38                 | 21.46                    | 21.45                  | 23.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634069                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490                  | 3500.01                  | 3500.02                |                     |          |
| 60              | QPSK       | 1       | 1         | 21.35                 | 21.35                    | 21.34                  | 23.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | QPSK       | 1       | 1         | 21.55                 | 21.51                    | 21.52                  | 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         | 21.37                 | 21.38                    | 21.35                  | 23.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3540                   |                     |          |
| 20              | QPSK       | 1       | 1         | 21.35                 | 21.36                    | 21.38                  | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 24.25                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 24.28                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 24.36                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 24.27                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 24.32                 |                          |                        | 26.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 24.37                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 24.33                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 24.63                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.25                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.22                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.18                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 24.24                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.24                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 22.89                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 23.24                 |                          |                        | 25.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.70                 |                          |                        | 23.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.84                 |                          |                        | 21.5                | 4.5      |
| Channel         |            |         |           | 632968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | QPSK       | 1       | 1         | 24.27                 | 24.26                    | 24.23                  | 26.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634069                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490                  | 3500.01                  | 3500.02                |                     |          |
| 60              | QPSK       | 1       | 1         | 24.21                 | 24.28                    | 24.28                  | 26.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | QPSK       | 1       | 1         | 24.20                 | 24.25                    | 24.27                  | 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         | 24.29                 | 24.22                    | 24.25                  | 26.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3540                   |                     |          |
| 20              | QPSK       | 1       | 1         | 24.25                 | 24.26                    | 24.21                  | 26.0                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.13                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 21.14                 |                          |                        | 23.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 21.04                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 20.96                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.03                 |                          |                        | 23.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 20.95                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 20.98                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.20                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.03                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.06                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 20.28                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 21.15                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.06                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 20.05                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 21.04                 |                          |                        | 22.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.59                 |                          |                        | 20.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 17.83                 |                          |                        | 18.5                | 4.5      |
| Channel         |            |         |           | 648968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 80              | QPSK       | 1       | 1         | 21.14                 | 21.16                    | 21.01                  | 23.0                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 650669                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |
| 80              | QPSK       | 1       | 1         | 21.09                 | 21.09                    | 21.18                  | 23.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70              | QPSK       | 1       | 1         | 21.07                 | 21.11                    | 21.04                  | 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         | 21.07                 | 21.10                    | 21.15                  | 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         | 21.04                 | 21.12                    | 21.11                  | 23.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40              | QPSK       | 1       | 1         | 21.02                 | 21.01                    | 21.18                  | 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         | 21.11                 | 21.17                    | 21.08                  | 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         | 21.10                 | 21.05                    | 21.03                  | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 24.07                 | 3750                     |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 24.25                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 24.09                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 24.12                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 24.20                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 23.99                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 23.88                 |                          |                        | 25.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 24.28                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.12                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.04                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.98                 |                          |                        | 26.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 24.05                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.87                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 23.94                 |                          |                        | 26.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 23.81                 |                          |                        | 25.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 22.02                 |                          |                        | 23.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.99                 |                          |                        | 21.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.09                 | 24.14                    | 24.07                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.18                 | 24.12                    | 24.13                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 70              | QPSK       | 1       | 1         | 24.17                 | 24.13                    | 24.11                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.17                 | 24.15                    | 24.15                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.08                 | 24.14                    | 24.10                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.20                 | 24.09                    | 24.08                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | QPSK       | 1       | 1         | 24.15                 | 24.09                    | 24.14                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.19                 | 24.10                    | 24.13                  | 26.0                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.42                 | 3500.01                  |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 21.35                 |                          |                        | 23.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 21.34                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 21.32                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.37                 |                          |                        | 23.0                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 21.25                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 21.39                 |                          |                        | 22.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 21.46                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.17                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.05                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 20.49                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 21.45                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.36                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 20.48                 |                          |                        | 22.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 21.11                 |                          |                        | 22.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.57                 |                          |                        | 20.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 17.86                 |                          |                        | 18.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.40                 | 21.36                    | 21.17                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.32                 | 21.39                    | 21.36                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 70              | QPSK       | 1       | 1         | 21.53                 | 21.53                    | 21.29                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.24                 | 21.35                    | 21.21                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.32                 | 21.25                    | 21.16                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.41                 | 21.26                    | 21.44                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | QPSK       | 1       | 1         | 21.22                 | 21.42                    | 21.39                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.45                 | 21.32                    | 21.35                  | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 24.54                 | 3500.01                  |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 24.47                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 24.49                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 24.45                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 24.46                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 23.97                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 23.97                 |                          |                        | 25.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 24.57                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.53                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.41                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 24.23                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 24.44                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 24.25                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 24.51                 |                          |                        | 25.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 23.09                 |                          |                        | 25.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.56                 |                          |                        | 23.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.57                 |                          |                        | 21.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.36                 | 24.46                    | 24.43                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.37                 | 24.42                    | 24.32                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 70              | QPSK       | 1       | 1         | 24.47                 | 24.59                    | 24.25                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.28                 | 24.51                    | 24.42                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.41                 | 24.41                    | 24.34                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.40                 | 24.41                    | 24.34                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | QPSK       | 1       | 1         | 24.29                 | 24.58                    | 24.25                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.41                 | 24.48                    | 24.28                  | 26.0                | 0.0      |



| n7 Ant 6        |            |         |           |                          |                             |                           |                        |             |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| 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         |            |         |           | 502000                   | 507000                      | 512000                    | 23.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |             |
| 20              | PI/2 BPSK  | 1       | 1         | 22.15                    | 22.19                       | 22.12                     |                        |             |
| 20              | PI/2 BPSK  | 1       | 53        | 22.09                    | 22.16                       | 22.06                     |                        |             |
| 20              | PI/2 BPSK  | 1       | 104       | 22.00                    | 22.11                       | 21.96                     | 22.5                   | 0.5         |
| 20              | PI/2 BPSK  | 50      | 0         | 21.43                    | 21.50                       | 21.36                     |                        |             |
| 20              | PI/2 BPSK  | 50      | 28        | 22.03                    | 22.12                       | 21.99                     |                        |             |
| 20              | PI/2 BPSK  | 50      | 56        | 21.36                    | 21.42                       | 21.29                     |                        |             |
| 20              | PI/2 BPSK  | 100     | 0         | 21.36                    | 21.45                       | 21.37                     | 22.5                   | 0.5         |
| 20              | QPSK       | 1       | 1         | 22.20                    | 22.27                       | 22.22                     |                        |             |
| 20              | QPSK       | 1       | 53        | 22.06                    | 22.23                       | 22.16                     |                        |             |
| 20              | QPSK       | 1       | 104       | 22.06                    | 22.18                       | 22.12                     |                        |             |
| 20              | QPSK       | 50      | 0         | 21.09                    | 21.16                       | 21.12                     | 22.0                   | 1.0         |
| 20              | QPSK       | 50      | 28        | 22.15                    | 22.19                       | 22.12                     |                        |             |
| 20              | QPSK       | 50      | 56        | 20.90                    | 20.97                       | 20.94                     |                        |             |
| 20              | QPSK       | 100     | 0         | 20.92                    | 21.06                       | 20.94                     |                        |             |
| 20              | 16QAM      | 1       | 1         | 21.00                    | 21.14                       | 21.05                     | 22.0                   | 1.0         |
| 20              | 64QAM      | 1       | 1         | 19.74                    | 19.81                       | 19.68                     |                        |             |
| 20              | 256QAM     | 1       | 1         | 17.58                    | 17.59                       | 17.46                     |                        |             |
| 20              | 256QAM     | 1       | 1         | 17.58                    | 17.59                       | 17.46                     |                        |             |
| Channel         |            |         |           | 501500                   | 507000                      | 512500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |             |
| 15              | QPSK       | 1       | 1         | 22.13                    | 22.19                       | 22.08                     |                        |             |
| Channel         |            |         |           | 501000                   | 507000                      | 513000                    |                        |             |
| Frequency (MHz) |            |         |           | 2505                     | 2535                        | 2565                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 1         | 22.10                    | 22.21                       | 22.10                     |                        |             |
| Channel         |            |         |           | 500500                   | 507000                      | 513500                    |                        |             |
| Frequency (MHz) |            |         |           | 2502.5                   | 2535                        | 2567.5                    |                        |             |
| 5               | QPSK       | 1       | 1         | 22.03                    | 22.14                       | 22.08                     | 23.0                   | 0.0         |



| n38 Ant 6       |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 518004                | 518000                   | 518996                 |          |
| Frequency (MHz) |            |         |           | 2560.02               | 2565                     | 2569.98                |          |
| 40              | PI2 BPSK   | 1       | 1         | 21.96                 | 22.07                    | 21.99                  |          |
| 40              | PI2 BPSK   | 1       | 53        | 21.87                 | 21.98                    | 21.96                  | 23.0     |
| 40              | PI2 BPSK   | 1       | 104       | 21.82                 | 21.97                    | 21.94                  |          |
| 40              | PI2 BPSK   | 50      | 0         | 21.34                 | 21.47                    | 21.31                  | 22.5 0.5 |
| 40              | PI2 BPSK   | 50      | 28        | 21.92                 | 21.99                    | 21.96                  | 23.0 0.0 |
| 40              | PI2 BPSK   | 50      | 56        | 21.22                 | 21.35                    | 21.30                  | 22.5 0.5 |
| 40              | PI2 BPSK   | 100     | 0         | 21.29                 | 21.42                    | 21.27                  |          |
| 40              | QPSK       | 1       | 1         | 22.06                 | 22.15                    | 22.04                  |          |
| 40              | QPSK       | 1       | 53        | 22.06                 | 22.08                    | 21.99                  | 23.0 0.0 |
| 40              | QPSK       | 1       | 104       | 21.95                 | 22.01                    | 21.97                  |          |
| 40              | QPSK       | 50      | 0         | 20.77                 | 20.88                    | 20.81                  | 22.0 1.0 |
| 40              | QPSK       | 50      | 28        | 21.96                 | 22.05                    | 22.02                  | 23.0 0.0 |
| 40              | QPSK       | 50      | 56        | 20.72                 | 20.87                    | 20.77                  | 22.0 1.0 |
| 40              | QPSK       | 100     | 0         | 20.91                 | 20.98                    | 20.84                  |          |
| 40              | 16QAM      | 1       | 1         | 20.89                 | 21.05                    | 20.98                  | 22.0 1.0 |
| 40              | 64QAM      | 1       | 1         | 19.87                 | 19.70                    | 19.61                  | 20.5 2.5 |
| 40              | 256QAM     | 1       | 1         | 17.54                 | 17.78                    | 17.69                  | 18.5 4.5 |
| Channel         |            |         |           | 517002                | 518000                   | 520000                 |          |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                |          |
| 30              | QPSK       | 1       | 1         | 21.95                 | 22.12                    | 21.89                  | 23.0 0.0 |
| Channel         |            |         |           | 516000                | 518000                   | 520000                 |          |
| Frequency (MHz) |            |         |           | 2640                  | 2645                     | 2650                   |          |
| 20              | QPSK       | 1       | 1         | 21.98                 | 22.05                    | 21.90                  | 23.0 0.0 |

| n41 Ant 6       |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.98                  | 2640                   |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.18                 | 22.20                    | 21.98                  |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.15                 | 22.19                    | 21.91                  | 23.0 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 22.21                 | 22.24                    | 21.99                  |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.74                 | 21.85                    | 21.56                  | 22.5 0.5 |
| 100             | PI2 BPSK   | 135     | 69        | 22.17                 | 22.14                    | 22.00                  | 23.0 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 21.95                 | 21.74                    | 21.56                  | 22.5 0.5 |
| 100             | PI2 BPSK   | 270     | 0         | 21.88                 | 21.84                    | 21.50                  |          |
| 100             | QPSK       | 1       | 1         | 22.28                 | 22.35                    | 22.08                  |          |
| 100             | QPSK       | 1       | 137       | 22.32                 | 22.19                    | 21.84                  | 23.0 0.0 |
| 100             | QPSK       | 1       | 271       | 22.10                 | 21.82                    | 22.03                  |          |
| 100             | QPSK       | 135     | 0         | 21.24                 | 21.42                    | 21.07                  | 22.0 1.0 |
| 100             | QPSK       | 135     | 69        | 22.02                 | 22.25                    | 22.10                  | 23.0 0.0 |
| 100             | QPSK       | 135     | 138       | 21.39                 | 21.30                    | 21.13                  | 22.0 1.0 |
| 100             | QPSK       | 270     | 0         | 21.38                 | 21.43                    | 21.07                  |          |
| 100             | 16QAM      | 1       | 1         | 21.15                 | 21.41                    | 20.93                  | 22.0 1.0 |
| 100             | 64QAM      | 1       | 1         | 19.81                 | 19.97                    | 19.55                  | 20.5 2.5 |
| 100             | 256QAM     | 1       | 1         | 17.07                 | 17.96                    | 17.72                  | 18.5 4.5 |
| Channel         |            |         |           | 509200                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |          |
| 90              | QPSK       | 1       | 1         | 21.97                 | 21.89                    | 21.93                  | 23.0 0.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 80              | QPSK       | 1       | 1         | 21.83                 | 22.07                    | 22.02                  | 23.0 0.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 70              | QPSK       | 1       | 1         | 21.83                 | 21.88                    | 21.83                  | 23.0 0.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |          |
| Frequency (MHz) |            |         |           | 2626                  | 2592.99                  | 2659.98                |          |
| 60              | QPSK       | 1       | 1         | 22.02                 | 21.99                    | 22.00                  | 23.0 0.0 |
| Channel         |            |         |           | 503203                | 518998                   | 532998                 |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |          |
| 50              | QPSK       | 1       | 1         | 21.86                 | 22.07                    | 21.99                  | 23.0 0.0 |
| Channel         |            |         |           | 503202                | 518998                   | 534000                 |          |
| Frequency (MHz) |            |         |           | 2616.01               | 2592.99                  | 2670                   |          |
| 40              | QPSK       | 1       | 1         | 21.98                 | 22.10                    | 21.83                  | 23.0 0.0 |
| Channel         |            |         |           | 502200                | 518998                   | 534998                 |          |
| Frequency (MHz) |            |         |           | 2611                  | 2592.99                  | 2674.98                |          |
| 30              | QPSK       | 1       | 1         | 21.90                 | 22.08                    | 22.04                  | 23.0 0.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535998                 |          |
| Frequency (MHz) |            |         |           | 2606.02               | 2592.99                  | 2679.99                |          |
| 20              | QPSK       | 1       | 1         | 21.99                 | 21.98                    | 21.82                  | 23.0 0.0 |

| n41 HPUE Ant 6  |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.98                  | 2640                   |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.09                 | 24.08                    | 23.91                  |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.27                 | 24.07                    | 24.01                  | 25.0 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 23.94                 | 24.19                    | 24.06                  |          |
| 100             | PI2 BPSK   | 135     | 0         | 23.56                 | 23.92                    | 23.29                  | 24.5 0.5 |
| 100             | PI2 BPSK   | 135     | 69        | 24.05                 | 23.94                    | 24.08                  | 25.0 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 23.92                 | 23.53                    | 23.76                  | 24.5 0.5 |
| 100             | PI2 BPSK   | 270     | 0         | 23.92                 | 23.65                    | 23.50                  |          |
| 100             | QPSK       | 1       | 1         | 24.14                 | 24.39                    | 24.01                  |          |
| 100             | QPSK       | 1       | 137       | 24.02                 | 23.88                    | 23.86                  | 25.0 0.0 |
| 100             | QPSK       | 1       | 271       | 24.05                 | 23.76                    | 23.98                  |          |
| 100             | QPSK       | 135     | 0         | 23.21                 | 23.28                    | 23.01                  | 24.0 1.0 |
| 100             | QPSK       | 135     | 69        | 23.70                 | 23.93                    | 23.86                  | 25.0 0.0 |
| 100             | QPSK       | 135     | 138       | 23.10                 | 23.37                    | 22.99                  | 24.0 1.0 |
| 100             | QPSK       | 270     | 0         | 22.91                 | 23.07                    | 22.85                  |          |
| 100             | 16QAM      | 1       | 1         | 23.32                 | 23.22                    | 22.98                  | 24.0 1.0 |
| 100             | 64QAM      | 1       | 1         | 21.58                 | 21.53                    | 21.39                  | 22.5 2.5 |
| 100             | 256QAM     | 1       | 1         | 19.70                 | 19.56                    | 19.59                  | 20.5 4.5 |
| Channel         |            |         |           | 509200                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |          |
| 90              | QPSK       | 1       | 1         | 24.23                 | 24.16                    | 24.13                  | 25.0 0.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 80              | QPSK       | 1       | 1         | 24.23                 | 24.18                    | 24.03                  | 25.0 0.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 70              | QPSK       | 1       | 1         | 24.23                 | 24.18                    | 24.03                  | 25.0 0.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |          |
| Frequency (MHz) |            |         |           | 2626                  | 2592.99                  | 2659.98                |          |
| 60              | QPSK       | 1       | 1         | 24.14                 | 24.13                    | 24.13                  | 25.0 0.0 |
| Channel         |            |         |           | 503203                | 518998                   | 532998                 |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |          |
| 50              | QPSK       | 1       | 1         | 24.25                 | 24.18                    | 24.10                  | 25.0 0.0 |
| Channel         |            |         |           | 503202                | 518998                   | 534000                 |          |
| Frequency (MHz) |            |         |           | 2616.01               | 2592.99                  | 2670                   |          |
| 40              | QPSK       | 1       | 1         | 24.20                 | 24.34                    | 24.04                  | 25.0 0.0 |
| Channel         |            |         |           | 502200                | 518998                   | 534998                 |          |
| Frequency (MHz) |            |         |           | 2611                  | 2592.99                  | 2674.98                |          |
| 30              | QPSK       | 1       | 1         | 24.27                 | 24.16                    | 24.06                  | 25.0 0.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535998                 |          |
| Frequency (MHz) |            |         |           | 2606.02               | 2592.99                  | 2679.99                |          |
| 20              | QPSK       | 1       | 1         | 24.12                 | 24.14                    | 24.16                  | 25.0 0.0 |



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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 22.30                       | 22.44                          | 22.58                        | 23.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 22.11                       | 22.29                          | 22.32                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 22.09                       | 22.28                          | 22.10                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 21.78                       | 21.87                          | 21.84                        | 22.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 22.42                       | 22.43                          | 22.33                        | 23.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 21.86                       | 21.75                          | 21.84                        | 22.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 21.83                       | 21.84                          | 21.82                        | 23.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 22.21                       | 22.25                          | 22.15                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.10                       | 22.24                          | 22.17                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.05                       | 22.19                          | 22.11                        |                        |             |
| 100             | QPSK       | 135     | 0         | 20.92                       | 21.06                          | 20.97                        | 22.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 22.11                       | 22.23                          | 22.10                        | 23.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 20.94                       | 21.04                          | 21.02                        | 22.0                   | 1.0         |
| 100             | QPSK       | 270     | 0         | 21.75                       | 21.76                          | 21.75                        | 22.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 21.06                       | 21.12                          | 21.03                        | 22.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         | 19.89                       | 19.79                          | 19.67                        | 20.5                   | 2.5         |
| 100             | 256QAM     | 1       | 1         | 17.09                       | 17.73                          | 17.68                        | 18.5                   | 4.5         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 22.12                       | 22.21                          | 22.07                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3738.02                     | 3840                           | 3940.01                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 22.15                       | 22.19                          | 22.11                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 22.15                       | 22.17                          | 22.09                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 22.05                       | 22.23                          | 22.09                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 22.07                       | 22.15                          | 22.17                        | 23.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 24.51                       | 24.53                          | 24.29                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 24.04                       | 24.04                          | 26.17                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 23.92                       | 24.14                          | 23.81                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 23.33                       | 23.39                          | 23.24                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 24.10                       | 24.24                          | 23.95                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 23.15                       | 23.04                          | 23.09                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 23.10                       | 23.25                          | 23.23                        | 25.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 23.39                       | 23.57                          | 23.52                        |                        |             |
| 100             | QPSK       | 1       | 137       | 23.06                       | 23.23                          | 23.12                        |                        |             |
| 100             | QPSK       | 1       | 271       | 23.10                       | 23.24                          | 23.06                        |                        |             |
| 100             | QPSK       | 135     | 0         | 22.27                       | 22.55                          | 22.26                        | 24.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 23.18                       | 23.23                          | 23.18                        | 25.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 22.19                       | 22.23                          | 21.96                        | 24.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 22.06                       | 22.18                          | 22.24                        | 25.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 23.09                       | 23.32                          | 23.01                        | 25.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         | 21.28                       | 21.48                          | 21.14                        | 23.0                   | 3.0         |
| 100             | 256QAM     | 1       | 1         | 19.71                       | 19.61                          | 19.61                        | 21.5                   | 4.5         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 24.27                       | 24.21                          | 24.21                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3738.02                     | 3840                           | 3940.01                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 24.23                       | 24.39                          | 24.19                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 24.25                       | 24.19                          | 24.09                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 24.10                       | 24.21                          | 24.26                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 24.20                       | 24.16                          | 24.17                        | 26.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750.01                     | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 22.23                       | 22.23                          | 22.23                        | 23.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 21.71                       | 21.71                          | 21.71                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 21.68                       | 21.68                          | 21.68                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 20.84                       | 20.84                          | 20.84                        | 22.0                   | 1.0         |
| 100             | Pl2 BPSK   | 135     | 69        | 22.14                       | 22.14                          | 22.14                        | 23.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 20.69                       | 20.69                          | 20.69                        | 22.0                   | 1.0         |
| 100             | Pl2 BPSK   | 270     | 0         | 20.71                       | 20.71                          | 20.71                        | 22.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 21.15                       | 21.15                          | 21.15                        |                        |             |
| 100             | QPSK       | 1       | 137       | 20.86                       | 20.86                          | 20.86                        |                        |             |
| 100             | QPSK       | 1       | 271       | 20.82                       | 20.82                          | 20.82                        |                        |             |
| 100             | QPSK       | 135     | 0         | 19.75                       | 19.75                          | 19.75                        | 20.5                   | 2.5         |
| 100             | QPSK       | 135     | 69        | 21.27                       | 21.27                          | 21.27                        | 22.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 19.81                       | 19.81                          | 19.81                        | 20.5                   | 2.5         |
| 100             | QPSK       | 270     | 0         | 19.75                       | 19.75                          | 19.75                        | 21.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 20.21                       | 20.21                          | 20.21                        | 19.5                   | 3.5         |
| 100             | 64QAM      | 1       | 1         | 18.58                       | 18.58                          | 18.58                        | 18.0                   | 5.0         |
| 100             | 256QAM     | 1       | 1         | 17.15                       | 17.15                          | 17.15                        | 16.0                   | 6.0         |
| Channel         |            |         |           | 630968                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480.02                     | 3500.01                        | 3510                         |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 22.05                       | 22.05                          | 22.20                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480                        | 3490.01                        | 3490.02                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 22.18                       | 22.01                          | 22.07                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 22.02                       | 22.22                          | 22.10                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633334                         | 635968                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 22.05                       | 22.09                          | 22.04                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 22.03                       | 22.02                          | 22.09                        | 23.0                   | 0.0         |



| Part27Q n77 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |     |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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               |                          |                        |                     |          |     |
| Frequency (MHz)        |            |         |           | 24.53                 |                          |                        |                     |          |     |
| 100                    | Pl2 BPSK   | 1       | 1         |                       | 24.81                    |                        | 26.0                | 0.0      |     |
| 100                    | Pl2 BPSK   | 1       | 137       |                       | 24.53                    |                        |                     |          |     |
| 100                    | Pl2 BPSK   | 1       | 271       |                       | 24.29                    |                        | 25.5                | 0.5      |     |
| 100                    | Pl2 BPSK   | 135     | 0         |                       | 24.63                    |                        | 26.0                | 0.0      |     |
| 100                    | Pl2 BPSK   | 135     | 69        |                       | 24.18                    |                        | 25.5                | 0.5      |     |
| 100                    | Pl2 BPSK   | 135     | 138       |                       | 24.38                    |                        |                     |          |     |
| 100                    | Pl2 BPSK   | 270     | 0         |                       | 24.01                    |                        |                     |          |     |
| 100                    | QPSK       | 1       | 1         |                       | 24.01                    |                        | 25.0                | 1.0      |     |
| 100                    | QPSK       | 1       | 137       |                       | 23.79                    |                        |                     |          |     |
| 100                    | QPSK       | 1       | 271       |                       | 23.59                    |                        | 24.0                | 2.0      |     |
| 100                    | QPSK       | 135     | 0         |                       | 23.82                    |                        | 25.0                | 1.0      |     |
| 100                    | QPSK       | 135     | 69        |                       | 23.18                    |                        | 24.0                | 2.0      |     |
| 100                    | QPSK       | 135     | 138       |                       | 23.47                    |                        |                     |          |     |
| 100                    | QPSK       | 270     | 0         |                       | 23.51                    |                        | 24.5                | 1.5      |     |
| 100                    | 16QAM      | 1       | 1         |                       | 21.85                    |                        | 23.0                | 3.0      |     |
| 100                    | 64QAM      | 1       | 1         |                       | 20.08                    |                        | 21.0                | 5.0      |     |
| 100                    | 256QAM     | 1       | 1         | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                |            |         |           | 3480.02               | 3500.01                  | 3510                   |                     |          |     |
| Frequency (MHz)        |            |         |           | 24.36                 | 24.41                    | 24.44                  | 26.0                | 0.0      |     |
| 80                     | Pl2 BPSK   | 1       | 1         |                       | 24.36                    | 24.41                  | 24.44               | 26.0     | 0.0 |
| Channel                |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3440                  | 3500.01                  | 3500.02                |                     |          |     |
| 80                     | Pl2 BPSK   | 1       | 1         |                       | 24.46                    | 24.50                  | 24.37               | 26.0     | 0.0 |
| Channel                |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                  | 3500.01                |                     |          |     |
| 40                     | Pl2 BPSK   | 1       | 1         |                       | 24.75                    | 24.64                  | 24.40               | 23.0     | 0.0 |
| Channel                |            |         |           | 637000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30                     | Pl2 BPSK   | 1       | 1         |                       | 24.41                    | 24.37                  | 24.43               | 26.0     | 0.0 |
| Channel                |            |         |           | 635000                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20                     | Pl2 BPSK   | 1       | 1         |                       | 24.37                    | 24.47                  | 24.50               | 26.0     | 0.0 |

| Part27O n78 Ant 6 |            |         |           |                       |                          |                        |                     |          |     |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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                  |                          |                        |                     |          |     |
| Frequency (MHz)   |            |         |           | 21.64                 |                          |                        |                     |          |     |
| 100               | Pl2 BPSK   | 1       | 1         |                       | 21.05                    |                        | 23.0                | 0.0      |     |
| 100               | Pl2 BPSK   | 1       | 137       |                       | 21.05                    |                        |                     |          |     |
| 100               | Pl2 BPSK   | 1       | 271       |                       | 20.98                    |                        | 22.5                | 0.5      |     |
| 100               | Pl2 BPSK   | 135     | 0         |                       | 20.37                    |                        | 22.5                | 0.0      |     |
| 100               | Pl2 BPSK   | 135     | 69        |                       | 21.05                    |                        | 22.5                | 0.5      |     |
| 100               | Pl2 BPSK   | 135     | 138       |                       | 20.07                    |                        |                     |          |     |
| 100               | Pl2 BPSK   | 270     | 0         |                       | 20.29                    |                        | 22.0                | 0.5      |     |
| 100               | QPSK       | 1       | 1         |                       | 21.28                    |                        | 22.5                | 0.5      |     |
| 100               | QPSK       | 1       | 137       |                       | 20.79                    |                        |                     |          |     |
| 100               | QPSK       | 1       | 271       |                       | 20.69                    |                        | 21.5                | 0.5      |     |
| 100               | QPSK       | 135     | 0         |                       | 20.06                    |                        | 22.5                | 0.5      |     |
| 100               | QPSK       | 135     | 69        |                       | 20.82                    |                        | 22.5                | 0.5      |     |
| 100               | QPSK       | 135     | 138       |                       | 19.63                    |                        | 21.5                | 1.5      |     |
| 100               | QPSK       | 270     | 0         |                       | 20.11                    |                        | 22.0                | 1.5      |     |
| 100               | 16QAM      | 1       | 1         |                       | 20.77                    |                        | 22.0                | 1.0      |     |
| 100               | 64QAM      | 1       | 1         |                       | 19.41                    |                        | 20.5                | 2.5      |     |
| 100               | 256QAM     | 1       | 1         |                       | 18.23                    |                        | 18.5                | 4.5      |     |
| Channel           |            |         |           | 649968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)   |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                | Pl2 BPSK   | 1       | 1         |                       | 21.62                    | 21.59                  | 21.54               | 23.0     | 0.0 |
| Channel           |            |         |           | 640334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)   |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                | Pl2 BPSK   | 1       | 1         |                       | 21.07                    | 21.10                  | 21.11               | 23.0     | 0.0 |
| Channel           |            |         |           | 640000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)   |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                | Pl2 BPSK   | 1       | 1         |                       | 21.03                    | 21.09                  | 21.08               | 23.0     | 0.0 |
| Channel           |            |         |           | 640668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)   |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                | Pl2 BPSK   | 1       | 1         |                       | 20.45                    | 20.43                  | 20.47               | 23.0     | 0.0 |
| Channel           |            |         |           | 640334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)   |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50                | Pl2 BPSK   | 1       | 1         |                       | 21.07                    | 21.10                  | 21.11               | 23.0     | 0.0 |
| Channel           |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)   |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                | Pl2 BPSK   | 1       | 1         |                       | 20.12                    | 20.12                  | 20.11               | 23.0     | 0.0 |
| Channel           |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)   |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30                | Pl2 BPSK   | 1       | 1         |                       | 20.37                    | 20.36                  | 20.36               | 23.0     | 0.0 |
| Channel           |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)   |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |
| 20                | Pl2 BPSK   | 1       | 1         |                       | 20.90                    | 20.88                  | 20.89               | 23.0     | 0.0 |

| Part27O n78 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |     |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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                  |                          |                        |                     |          |     |
| Frequency (MHz)        |            |         |           | 24.29                 |                          |                        |                     |          |     |
| 100                    | Pl2 BPSK   | 1       | 1         |                       | 23.92                    |                        | 26.0                | 0.0      |     |
| 100                    | Pl2 BPSK   | 1       | 137       |                       | 23.69                    |                        |                     |          |     |
| 100                    | Pl2 BPSK   | 1       | 271       |                       | 23.56                    |                        | 25.5                | 0.5      |     |
| 100                    | Pl2 BPSK   | 135     | 0         |                       | 23.73                    |                        | 26.0                | 0.0      |     |
| 100                    | Pl2 BPSK   | 135     | 69        |                       | 23.30                    |                        | 25.5                | 0.5      |     |
| 100                    | Pl2 BPSK   | 135     | 138       |                       | 23.04                    |                        |                     |          |     |
| 100                    | Pl2 BPSK   | 270     | 0         |                       | 23.56                    |                        |                     |          |     |
| 100                    | QPSK       | 1       | 1         |                       | 23.62                    |                        | 25.5                | 0.5      |     |
| 100                    | QPSK       | 1       | 137       |                       | 22.71                    |                        |                     |          |     |
| 100                    | QPSK       | 1       | 271       |                       | 22.80                    |                        | 24.0                | 2.0      |     |
| 100                    | QPSK       | 135     | 0         |                       | 22.72                    |                        | 25.5                | 0.5      |     |
| 100                    | QPSK       | 135     | 69        |                       | 22.36                    |                        | 24.0                | 2.0      |     |
| 100                    | QPSK       | 135     | 138       |                       | 22.52                    |                        |                     |          |     |
| 100                    | QPSK       | 270     | 0         |                       | 22.89                    |                        | 24.5                | 1.5      |     |
| 100                    | 16QAM      | 1       | 1         |                       | 21.89                    |                        | 23.5                | 2.5      |     |
| 100                    | 64QAM      | 1       | 1         |                       | 19.63                    |                        | 21.5                | 4.5      |     |
| 100                    | 256QAM     | 1       | 1         |                       | 19.63                    |                        | 21.5                | 4.5      |     |
| Channel                |            |         |           | 646968                | 650000                   | 650334                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)        |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90                     | Pl2 BPSK   | 1       | 1         |                       | 24.16                    | 24.11                  | 24.02               | 26.0     | 0.0 |
| Channel                |            |         |           | 640334                | 650000                   | 650668                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)        |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80                     | Pl2 BPSK   | 1       | 1         |                       | 24.02                    | 24.11                  | 23.93               | 26.0     | 0.0 |
| Channel                |            |         |           | 640000                | 650000                   | 651000                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)        |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                     | Pl2 BPSK   | 1       | 1         |                       | 24.01                    | 24.01                  | 24.10               | 26.0     | 0.0 |
| Channel                |            |         |           | 640668                | 650000                   | 651334                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)        |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60                     | Pl2 BPSK   | 1       | 1         |                       | 24.02                    | 24.09                  | 23.89               | 26.0     | 0.0 |
| Channel                |            |         |           | 640334                | 650000                   | 651668                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)        |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50                     | Pl2 BPSK   | 1       | 1         |                       | 24.11                    | 24.11                  | 23.94               | 26.0     | 0.0 |
| Channel                |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)        |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                     | Pl2 BPSK   | 1       | 1         |                       | 24.16                    | 24.24                  | 23.90               | 26.0     | 0.0 |
| Channel                |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)        |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |     |
| 30                     | Pl2 BPSK   | 1       | 1         |                       | 23.89                    | 24.10                  | 23.97               | 26.0     | 0.0 |
| Channel                |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)        |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |
| 20                     | Pl2 BPSK   | 1       | 1         |                       | 24.06                    | 24.02                  | 24.01               | 26.0     | 0.0 |



| Part27Q n78 Ant 6 |            |         |           |                       |                          |                        |                     |          |     |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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               |                          |                        |                     |          |     |
| Frequency (MHz)   |            |         |           | 22.03                 |                          |                        |                     |          |     |
| 100               | PI2 BPSK   | 1       | 1         |                       | 22.01                    |                        | 23.0                | 0.0      |     |
| 100               | PI2 BPSK   | 1       | 137       |                       | 22.01                    |                        |                     |          |     |
| 100               | PI2 BPSK   | 1       | 271       |                       | 21.00                    |                        | 22.5                | 0.5      |     |
| 100               | PI2 BPSK   | 135     | 0         |                       | 21.85                    |                        | 23.0                | 0.5      |     |
| 100               | PI2 BPSK   | 135     | 138       |                       | 20.81                    |                        | 22.5                | 0.5      |     |
| 100               | PI2 BPSK   | 270     | 0         |                       | 20.95                    |                        |                     |          |     |
| 100               | QPSK       | 1       | 1         |                       | 21.84                    |                        |                     |          |     |
| 100               | QPSK       | 1       | 137       |                       | 21.78                    |                        | 22.5                | 0.5      |     |
| 100               | QPSK       | 1       | 271       |                       | 21.78                    |                        |                     |          |     |
| 100               | QPSK       | 135     | 0         |                       | 20.70                    |                        | 21.5                | 1.5      |     |
| 100               | QPSK       | 135     | 69        |                       | 21.61                    |                        | 22.5                | 0.5      |     |
| 100               | QPSK       | 135     | 138       |                       | 20.57                    |                        | 21.5                | 1.5      |     |
| 100               | QPSK       | 270     | 0         |                       | 20.76                    |                        |                     |          |     |
| 100               | 16QAM      | 1       | 1         |                       | 21.05                    |                        | 22.0                | 1.0      |     |
| 100               | 64QAM      | 1       | 1         |                       | 19.56                    |                        | 20.5                | 2.5      |     |
| 100               | 256QAM     | 1       | 1         |                       | 18.01                    |                        | 19.0                | 4.0      |     |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90                | PI2 BPSK   | 1       | 1         |                       | 22.02                    | 21.91                  | 21.88               | 23.0     | 0.0 |
| Channel           |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3499.02               | 3500.01                  | 3501.01                |                     |          |     |
| 80                | PI2 BPSK   | 1       | 1         |                       | 21.86                    | 21.97                  | 21.89               | 23.0     | 0.0 |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |
| 70                | PI2 BPSK   | 1       | 1         |                       | 21.67                    | 21.69                  | 21.52               | 23.0     | 0.0 |
| Channel           |            |         |           | 632000                | 633334                   | 634968                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60                | PI2 BPSK   | 1       | 1         |                       | 21.88                    | 21.87                  | 21.97               | 23.0     | 0.0 |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50                | PI2 BPSK   | 1       | 1         |                       | 21.98                    | 21.94                  | 21.94               | 23.0     | 0.0 |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40                | PI2 BPSK   | 1       | 1         |                       | 21.90                    | 22.00                  | 21.92               | 23.0     | 0.0 |
| Channel           |            |         |           | 631000                | 633334                   | 636668                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30                | PI2 BPSK   | 1       | 1         |                       | 21.96                    | 21.98                  | 21.85               | 23.0     | 0.0 |
| Channel           |            |         |           | 630668                | 633334                   | 635000                 | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20                | PI2 BPSK   | 1       | 1         |                       | 22.01                    | 21.90                  | 21.88               | 23.0     | 0.0 |

| Part27Q n78 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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               |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 24.78                 |                          |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 1         |                       | 24.78                    |                        | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 1       | 137       |                       | 24.67                    |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 271       |                       | 24.23                    |                        | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 135     | 0         |                       | 24.69                    |                        | 26.0                | 0.5      |  |
| 100                    | PI2 BPSK   | 135     | 69        |                       | 24.05                    |                        | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 270     | 0         |                       | 24.15                    |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 1       | 1         |                       | 23.93                    |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       |                       | 23.98                    |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 1       | 271       |                       | 23.45                    |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         |                       | 23.30                    |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 135     | 69        |                       | 23.69                    |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 138       |                       | 23.19                    |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 270     | 0         |                       | 23.23                    |                        |                     |          |  |
| 100                    | 16QAM      | 1       | 1         |                       | 22.78                    |                        | 24.0                | 2.0      |  |
| 100                    | 64QAM      | 1       | 1         |                       | 21.71                    |                        | 23.0                | 3.0      |  |
| 100                    | 256QAM     | 1       | 1         |                       | 19.79                    |                        | 21.0                | 5.0      |  |
| Channel                |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                     | PI2 BPSK   | 1       | 1         | 24.01                 | 24.52                    | 24.62                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3499.02               | 3500.01                  | 3501.01                |                     |          |  |
| 80                     | PI2 BPSK   | 1       | 1         | 24.07                 | 24.62                    | 24.71                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                     | PI2 BPSK   | 1       | 1         | 24.07                 | 24.50                    | 24.57                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632000                | 633334                   | 634968                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3480                  | 3500.01                  | 3520                   |                     |          |  |
| 60                     | PI2 BPSK   | 1       | 1         | 24.04                 | 24.50                    | 24.63                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                     | PI2 BPSK   | 1       | 1         | 24.03                 | 24.54                    | 24.60                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                     | PI2 BPSK   | 1       | 1         | 24.01                 | 24.54                    | 24.69                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631000                | 633334                   | 636668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                     | PI2 BPSK   | 1       | 1         | 24.71                 | 24.49                    | 24.61                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 630668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                     | PI2 BPSK   | 1       | 1         | 24.04                 | 24.59                    | 24.52                  | 26.0                | 0.0      |  |



| n7 Ant 7        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 502000                | 507000                   | 512000                 | 23.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 21.21                 | 21.35                    | 21.27                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 53        | 21.13                 | 21.29                    | 21.15                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 104       | 21.14                 | 21.25                    | 21.19                  | 22.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 20.62                 | 20.71                    | 20.61                  |                     |          |
| 20              | PI/2 BPSK  | 50      | 28        | 21.19                 | 21.25                    | 21.25                  |                     |          |
| 20              | PI/2 BPSK  | 50      | 56        | 20.51                 | 20.63                    | 20.55                  |                     |          |
| 20              | PI/2 BPSK  | 100     | 0         | 20.52                 | 20.67                    | 20.58                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 21.33                 | 21.41                    | 21.33                  |                     |          |
| 20              | QPSK       | 1       | 53        | 21.23                 | 21.33                    | 21.27                  |                     |          |
| 20              | QPSK       | 1       | 104       | 21.25                 | 21.30                    | 21.19                  |                     |          |
| 20              | QPSK       | 50      | 0         | 20.13                 | 20.22                    | 20.15                  | 22.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 21.22                 | 21.34                    | 21.20                  |                     |          |
| 20              | QPSK       | 50      | 56        | 20.02                 | 20.03                    | 20.01                  |                     |          |
| 20              | QPSK       | 100     | 0         | 20.03                 | 20.09                    | 20.04                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 20.22                 | 20.32                    | 20.21                  | 20.5                | 2.5      |
| 20              | 64QAM      | 1       | 1         | 18.82                 | 18.88                    | 18.82                  |                     |          |
| 20              | 256QAM     | 1       | 1         | 16.58                 | 16.71                    | 16.54                  |                     |          |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | 23.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 21.25                 | 21.32                    | 21.26                  |                     |          |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | 23.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 21.19                 | 21.27                    | 21.26                  |                     |          |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | 23.0                | 0.0      |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 21.20                 | 21.33                    | 21.25                  |                     |          |





| n48 Part96 Ant 8 |            |         |           |                      |                         |                       |                     |          |  |
|------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| 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          |            |         |           | 636000               | 641666                  | 646332                |                     |          |  |
| Frequency (MHz)  |            |         |           | 3520                 | 3624.99                 | 3679.98               |                     |          |  |
| 40               | Pl2 BPSK   | 1       | 1         | 16.80                | 16.63                   | 16.81                 |                     |          |  |
| 40               | Pl2 BPSK   | 1       | 53        | 16.76                | 16.79                   | 16.78                 | 18.0                |          |  |
| 40               | Pl2 BPSK   | 1       | 104       | 16.72                | 16.75                   | 16.70                 |                     |          |  |
| 40               | Pl2 BPSK   | 50      | 0         | 16.77                | 16.74                   | 16.73                 | 18.0                |          |  |
| 40               | Pl2 BPSK   | 50      | 28        | 16.76                | 16.80                   | 16.78                 | 18.0                |          |  |
| 40               | Pl2 BPSK   | 50      | 56        | 16.68                | 16.72                   | 16.71                 | 18.0                |          |  |
| 40               | Pl2 BPSK   | 100     | 0         | 16.75                | 16.78                   | 16.72                 |                     |          |  |
| 40               | QPSK       | 1       | 1         | 16.70                | 16.79                   | 16.67                 |                     |          |  |
| 40               | QPSK       | 1       | 53        | 16.71                | 16.66                   | 16.71                 | 18.0                |          |  |
| 40               | QPSK       | 1       | 104       | 16.60                | 16.64                   | 16.57                 |                     |          |  |
| 40               | QPSK       | 50      | 0         | 16.73                | 16.63                   | 16.62                 | 18.0                |          |  |
| 40               | QPSK       | 50      | 28        | 16.65                | 16.71                   | 16.65                 | 18.0                |          |  |
| 40               | QPSK       | 50      | 56        | 16.61                | 16.68                   | 16.63                 | 18.0                |          |  |
| 40               | QPSK       | 100     | 0         | 16.64                | 16.68                   | 16.66                 | 18.0                |          |  |
| 40               | 16QAM      | 1       | 1         | 16.63                | 16.64                   | 16.61                 | 18.0                |          |  |
| 40               | 64QAM      | 1       | 1         | 16.64                | 16.65                   | 16.69                 | 18.0                |          |  |
| 40               | 256QAM     | 1       | 1         | 16.56                | 16.62                   | 16.63                 | 18.0                |          |  |
| Channel          |            |         |           | 637514               | 643166                  | 648810                | Tune-up limit (dB)  | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 3560.01              | 3624.99                 | 3690                  |                     |          |  |
| 20               | Pl2 BPSK   | 1       | 1         | 16.68                | 16.64                   | 16.67                 | 18.0                |          |  |

| Part270 n77 Ant 8 |            |         |           |                      |                         |                       |                     |          |  |
|-------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| 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               | Pl2 BPSK   | 1       | 1         | 14.08                | 14.10                   | 14.06                 |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 137       | 14.08                | 14.06                   | 13.98                 | 15.5                |          |  |
| 100               | Pl2 BPSK   | 1       | 271       | 14.08                | 14.05                   | 14.03                 |                     |          |  |
| 100               | Pl2 BPSK   | 135     | 0         | 14.01                | 14.02                   | 14.00                 | 15.5                |          |  |
| 100               | Pl2 BPSK   | 135     | 69        | 14.02                | 14.05                   | 14.03                 | 15.5                |          |  |
| 100               | Pl2 BPSK   | 135     | 138       | 14.03                | 13.97                   | 14.02                 | 15.5                |          |  |
| 100               | Pl2 BPSK   | 270     | 0         | 13.95                | 14.01                   | 13.98                 |                     |          |  |
| 100               | QPSK       | 1       | 1         | 13.97                | 13.99                   | 13.97                 |                     |          |  |
| 100               | QPSK       | 1       | 137       | 14.05                | 14.00                   | 13.95                 | 15.5                |          |  |
| 100               | QPSK       | 1       | 271       | 13.95                | 13.98                   | 13.94                 |                     |          |  |
| 100               | QPSK       | 135     | 0         | 13.91                | 13.88                   | 13.95                 | 15.5                |          |  |
| 100               | QPSK       | 135     | 69        | 13.94                | 13.93                   | 13.92                 | 15.5                |          |  |
| 100               | QPSK       | 135     | 138       | 13.98                | 13.90                   | 13.97                 | 15.5                |          |  |
| 100               | QPSK       | 270     | 0         | 13.95                | 13.93                   | 13.90                 |                     |          |  |
| 100               | 16QAM      | 1       | 1         | 14.02                | 14.02                   | 13.98                 | 15.5                |          |  |
| 100               | 64QAM      | 1       | 1         | 13.93                | 13.99                   | 13.98                 | 15.5                |          |  |
| 100               | 256QAM     | 1       | 1         | 13.96                | 13.97                   | 14.00                 | 15.5                |          |  |
| Channel           |            |         |           | 645334               | 650000                  | 654666                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3740.01              | 3840                    | 3940.02               |                     |          |  |
| 80                | Pl2 BPSK   | 1       | 1         | 13.96                | 13.94                   | 13.91                 | 15.5                |          |  |
| Channel           |            |         |           | 646668               | 650000                  | 653334                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720.02              | 3840                    | 3940.01               |                     |          |  |
| 60                | Pl2 BPSK   | 1       | 1         | 13.96                | 13.94                   | 13.94                 | 15.5                |          |  |
| Channel           |            |         |           | 648000               | 650000                  | 654000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720                 | 3840                    | 3960                  |                     |          |  |
| 40                | Pl2 BPSK   | 1       | 1         | 14.03                | 13.93                   | 13.97                 | 15.5                |          |  |
| Channel           |            |         |           | 647668               | 650000                  | 654334                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3715.02              | 3840                    | 3965.01               |                     |          |  |
| 30                | Pl2 BPSK   | 1       | 1         | 14.04                | 14.01                   | 13.91                 | 15.5                |          |  |
| Channel           |            |         |           | 641254               | 650000                  | 654000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3710.01              | 3840                    | 3970.02               |                     |          |  |
| 20                | Pl2 BPSK   | 1       | 1         | 13.96                | 13.94                   | 13.96                 | 15.5                |          |  |

| Part270 n77 HPUE Ant 8 |            |         |           |                      |                         |                       |                     |          |  |
|------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| 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                    | Pl2 BPSK   | 1       | 1         | 16.65                | 16.59                   | 16.61                 |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 137       | 16.73                | 16.83                   | 16.74                 | 18.5                |          |  |
| 100                    | Pl2 BPSK   | 1       | 271       | 16.74                | 16.78                   | 16.79                 |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         | 16.74                | 16.62                   | 16.79                 | 18.5                |          |  |
| 100                    | Pl2 BPSK   | 135     | 69        | 16.62                | 16.96                   | 16.63                 | 18.5                |          |  |
| 100                    | Pl2 BPSK   | 135     | 138       | 16.77                | 16.84                   | 16.80                 | 18.5                |          |  |
| 100                    | Pl2 BPSK   | 270     | 0         | 16.75                | 16.83                   | 16.76                 |                     |          |  |
| 100                    | QPSK       | 1       | 1         | 16.74                | 16.85                   | 16.74                 |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 16.65                | 16.78                   | 16.68                 | 18.5                |          |  |
| 100                    | QPSK       | 1       | 271       | 16.70                | 16.71                   | 16.65                 |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 16.67                | 16.84                   | 16.74                 | 18.5                |          |  |
| 100                    | QPSK       | 135     | 69        | 16.74                | 16.76                   | 16.76                 | 18.5                |          |  |
| 100                    | QPSK       | 135     | 138       | 16.64                | 16.77                   | 16.65                 | 18.5                |          |  |
| 100                    | QPSK       | 270     | 0         | 16.60                | 16.74                   | 16.70                 |                     |          |  |
| 100                    | 16QAM      | 1       | 1         | 16.69                | 16.70                   | 16.63                 | 18.5                |          |  |
| 100                    | 64QAM      | 1       | 1         | 16.64                | 16.60                   | 16.54                 | 18.5                |          |  |
| 100                    | 256QAM     | 1       | 1         | 16.74                | 16.68                   | 16.65                 | 18.5                |          |  |
| Channel                |            |         |           | 645334               | 650000                  | 654666                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3740.01              | 3840                    | 3940.02               |                     |          |  |
| 80                     | Pl2 BPSK   | 1       | 1         | 16.80                | 16.89                   | 16.74                 | 18.5                |          |  |
| Channel                |            |         |           | 646668               | 650000                  | 653334                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720.02              | 3840                    | 3940.01               |                     |          |  |
| 60                     | Pl2 BPSK   | 1       | 1         | 16.73                | 16.91                   | 16.68                 | 18.5                |          |  |
| Channel                |            |         |           | 648000               | 650000                  | 654000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720                 | 3840                    | 3960                  |                     |          |  |
| 40                     | Pl2 BPSK   | 1       | 1         | 16.73                | 16.93                   | 16.74                 | 18.5                |          |  |
| Channel                |            |         |           | 647668               | 650000                  | 654334                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3715.02              | 3840                    | 3965.01               |                     |          |  |
| 30                     | Pl2 BPSK   | 1       | 1         | 16.74                | 16.90                   | 16.66                 | 18.5                |          |  |
| Channel                |            |         |           | 641254               | 650000                  | 654000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3710.01              | 3840                    | 3970.02               |                     |          |  |
| 20                     | Pl2 BPSK   | 1       | 1         | 16.71                | 16.91                   | 16.70                 | 18.5                |          |  |



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| 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) |            |         |           |                             |                                |                              |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 15.25                       | 3500.01                        |                              | 15.5                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 137       | 15.21                       |                                |                              |                        |             |
| 100             | PI2 BPSK   | 1       | 271       | 15.14                       |                                |                              |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 15.17                       |                                |                              | 15.5                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 69        | 15.21                       |                                |                              | 15.5                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 15.14                       |                                |                              | 15.5                   | 0.0         |
| 100             | PI2 BPSK   | 270     | 0         | 15.18                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 15.17                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 137       | 15.19                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 271       | 15.10                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 135     | 0         | 15.08                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 135     | 69        | 15.18                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 15.10                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 270     | 0         | 15.15                       |                                |                              | 15.5                   | 0.0         |
| 100             | 16QAM      | 1       | 1         | 15.15                       |                                |                              | 15.5                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 15.08                       |                                |                              | 15.5                   | 0.0         |
| 100             | 256QAM     | 1       | 1         | 15.13                       |                                |                              | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 80              | PI2 BPSK   | 1       | 1         | 15.11                       | 15.19                          | 15.12                        | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 60              | PI2 BPSK   | 1       | 1         | 15.00                       | 15.11                          | 15.08                        | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 15.00                       | 15.13                          | 14.99                        | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 30              | PI2 BPSK   | 1       | 1         | 15.00                       | 15.04                          | 15.05                        | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 15.01                       | 15.09                          | 15.02                        | 15.5                   | 0.0         |

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| 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) |            |         |           |                             |                                |                              |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 17.71                       | 3500.01                        |                              | 18.5                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 137       | 17.54                       |                                |                              |                        |             |
| 100             | PI2 BPSK   | 1       | 271       | 17.48                       |                                |                              |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 17.50                       |                                |                              | 18.5                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 69        | 17.70                       |                                |                              | 18.5                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 17.51                       |                                |                              | 18.5                   | 0.0         |
| 100             | PI2 BPSK   | 270     | 0         | 17.50                       |                                |                              | 18.5                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 17.52                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 137       | 17.52                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 271       | 17.46                       |                                |                              | 18.5                   | 0.0         |
| 100             | QPSK       | 135     | 0         | 17.39                       |                                |                              | 18.5                   | 0.0         |
| 100             | QPSK       | 135     | 69        | 17.53                       |                                |                              | 18.5                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 17.41                       |                                |                              | 18.5                   | 0.0         |
| 100             | QPSK       | 270     | 0         | 17.45                       |                                |                              | 18.5                   | 0.0         |
| 100             | 16QAM      | 1       | 1         | 17.58                       |                                |                              | 18.5                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 17.65                       |                                |                              | 18.5                   | 0.0         |
| 100             | 256QAM     | 1       | 1         | 17.60                       |                                |                              | 18.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 80              | PI2 BPSK   | 1       | 1         | 17.61                       | 17.62                          | 17.63                        | 18.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 60              | PI2 BPSK   | 1       | 1         | 17.50                       | 17.56                          | 17.56                        | 18.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 17.52                       | 17.54                          | 17.47                        | 18.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 30              | PI2 BPSK   | 1       | 1         | 17.51                       | 17.58                          | 17.48                        | 18.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 17.54                       | 17.47                          | 17.58                        | 18.5                   | 0.0         |

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| 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) |            |         |           |                             |                                |                              |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 13.90                       | 3750                           |                              | 15.5                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 137       | 13.91                       |                                |                              |                        |             |
| 100             | PI2 BPSK   | 1       | 271       | 13.84                       |                                |                              |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 13.95                       |                                |                              | 15.5                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 69        | 13.98                       |                                |                              | 15.5                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 13.85                       |                                |                              | 15.5                   | 0.0         |
| 100             | PI2 BPSK   | 270     | 0         | 13.94                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 13.92                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 137       | 13.87                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 271       | 13.88                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 135     | 0         | 13.75                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 135     | 69        | 13.79                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 13.75                       |                                |                              | 15.5                   | 0.0         |
| 100             | QPSK       | 270     | 0         | 13.88                       |                                |                              | 15.5                   | 0.0         |
| 100             | 16QAM      | 1       | 1         | 13.93                       |                                |                              | 15.5                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 13.85                       |                                |                              | 15.5                   | 0.0         |
| 100             | 256QAM     | 1       | 1         | 13.82                       |                                |                              | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 80              | PI2 BPSK   | 1       | 1         | 13.93                       | 13.88                          | 13.85                        | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 60              | PI2 BPSK   | 1       | 1         | 13.88                       | 13.72                          | 13.79                        | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 40              | PI2 BPSK   | 1       | 1         | 13.82                       | 13.63                          | 13.78                        | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 30              | PI2 BPSK   | 1       | 1         | 13.88                       | 13.76                          | 13.77                        | 15.5                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |
| 20              | PI2 BPSK   | 1       | 1         | 13.85                       | 13.76                          | 13.77                        | 15.5                   | 0.0         |





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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 23.31                       | 23.48                          | 23.42                        | 24.0                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 137       | 23.22                       | 23.14                          | 23.17                        |                        |             |
| 100             | PI2 BPSK   | 1       | 271       | 23.04                       | 23.28                          | 23.11                        |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 23.08                       | 23.21                          | 23.10                        | 23.5                   | 0.5         |
| 100             | PI2 BPSK   | 135     | 69        | 23.19                       | 23.38                          | 23.22                        | 24.0                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 22.99                       | 23.12                          | 23.04                        | 23.5                   | 0.5         |
| 100             | PI2 BPSK   | 270     | 0         | 22.81                       | 22.88                          | 22.83                        | 24.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 22.45                       | 22.67                          | 22.50                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.31                       | 22.28                          | 22.24                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.38                       | 22.47                          | 22.21                        |                        |             |
| 100             | QPSK       | 135     | 0         | 21.58                       | 21.78                          | 21.74                        | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 22.24                       | 22.26                          | 22.11                        | 24.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 21.29                       | 21.35                          | 21.26                        | 23.0                   | 1.0         |
| 100             | QPSK       | 270     | 0         | 21.26                       | 21.41                          | 21.32                        | 23.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 21.85                       | 21.66                          | 21.59                        |                        |             |
| 100             | 64QAM      | 1       | 1         | 20.11                       | 20.15                          | 20.03                        |                        |             |
| 100             | 256QAM     | 1       | 1         | 18.58                       | 18.71                          | 18.72                        | 19.5                   | 4.5         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      | 24.0                   | 0.0         |
| 80              | PI2 BPSK   | 1       | 1         | 23.30                       | 23.37                          | 23.32                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720.02                     | 3840                           | 3960.03                      | 24.0                   | 0.0         |
| 60              | PI2 BPSK   | 1       | 1         | 23.31                       | 23.42                          | 23.38                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         | 24.0                   | 0.0         |
| 40              | PI2 BPSK   | 1       | 1         | 23.37                       | 23.48                          | 23.39                        | 25.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 665334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      | 24.0                   | 0.0         |
| 30              | PI2 BPSK   | 1       | 1         | 23.24                       | 23.40                          | 23.37                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 1         | 23.33                       | 23.41                          | 23.26                        | 24.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 25.52                       | 25.62                          | 25.58                        | 26.0                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 137       | 25.21                       | 25.27                          | 25.17                        |                        |             |
| 100             | PI2 BPSK   | 1       | 271       | 24.89                       | 25.00                          | 24.83                        |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 24.74                       | 24.91                          | 24.76                        | 25.5                   | 0.5         |
| 100             | PI2 BPSK   | 135     | 69        | 25.31                       | 25.43                          | 25.38                        | 26.0                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 24.53                       | 24.59                          | 24.48                        | 25.5                   | 0.5         |
| 100             | PI2 BPSK   | 270     | 0         | 24.49                       | 24.51                          | 24.47                        | 25.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 24.58                       | 24.69                          | 24.52                        |                        |             |
| 100             | QPSK       | 1       | 137       | 24.17                       | 24.22                          | 24.13                        |                        |             |
| 100             | QPSK       | 1       | 271       | 24.10                       | 24.27                          | 24.06                        |                        |             |
| 100             | QPSK       | 135     | 0         | 23.56                       | 23.57                          | 23.38                        | 24.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 24.05                       | 24.13                          | 24.08                        | 25.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 23.08                       | 23.15                          | 23.11                        | 24.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 23.06                       | 23.21                          | 23.10                        | 24.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 23.05                       | 23.09                          | 23.02                        | 24.0                   | 2.0         |
| 100             | 64QAM      | 1       | 1         | 21.51                       | 21.65                          | 21.58                        | 22.5                   | 3.5         |
| 100             | 256QAM     | 1       | 1         | 19.54                       | 19.71                          | 19.54                        | 21.0                   | 5.0         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      | 26.0                   | 0.0         |
| 80              | PI2 BPSK   | 1       | 1         | 25.40                       | 25.59                          | 25.58                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720.02                     | 3840                           | 3960.03                      | 26.0                   | 0.0         |
| 60              | PI2 BPSK   | 1       | 1         | 25.43                       | 25.55                          | 25.57                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         | 26.0                   | 0.0         |
| 40              | PI2 BPSK   | 1       | 1         | 25.37                       | 25.48                          | 25.39                        | 27.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 665334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      | 26.0                   | 0.0         |
| 30              | PI2 BPSK   | 1       | 1         | 25.41                       | 25.45                          | 25.49                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      | 26.0                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 1         | 25.45                       | 25.53                          | 25.52                        | 26.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750.01                     | 3840                           | 3930                         |                        |             |
| 100             | PI2 BPSK   | 1       | 1         | 23.77                       | 23.77                          | 23.77                        | 24.0                   | 0.0         |
| 100             | PI2 BPSK   | 1       | 137       | 23.37                       | 23.37                          | 23.37                        |                        |             |
| 100             | PI2 BPSK   | 1       | 271       | 23.37                       | 23.37                          | 23.37                        |                        |             |
| 100             | PI2 BPSK   | 135     | 0         | 23.39                       | 23.39                          | 23.39                        | 23.5                   | 0.5         |
| 100             | PI2 BPSK   | 135     | 69        | 23.63                       | 23.63                          | 23.63                        | 24.0                   | 0.0         |
| 100             | PI2 BPSK   | 135     | 138       | 23.34                       | 23.34                          | 23.34                        | 23.5                   | 0.5         |
| 100             | PI2 BPSK   | 270     | 0         | 23.18                       | 23.18                          | 23.18                        | 23.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 22.85                       | 22.85                          | 22.85                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.46                       | 22.46                          | 22.46                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.56                       | 22.56                          | 22.56                        |                        |             |
| 100             | QPSK       | 135     | 0         | 22.09                       | 22.09                          | 22.09                        | 22.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 22.59                       | 22.59                          | 22.59                        | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 21.52                       | 21.52                          | 21.52                        | 22.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 21.59                       | 21.59                          | 21.59                        | 22.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 21.74                       | 21.74                          | 21.74                        | 20.5                   | 3.5         |
| 100             | 64QAM      | 1       | 1         | 20.19                       | 20.19                          | 20.19                        | 19.0                   | 5.0         |
| 100             | 256QAM     | 1       | 1         | 18.63                       | 18.63                          | 18.63                        | 18.0                   | 6.0         |
| Channel         |            |         |           | 630000                      | 633334                         | 636668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480.02                     | 3500.01                        | 3510                         | 24.0                   | 0.0         |
| 80              | PI2 BPSK   | 1       | 1         | 23.02                       | 23.00                          | 23.51                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 630000                      | 633334                         | 636668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | 24.0                   | 0.0         |
| 60              | PI2 BPSK   | 1       | 1         | 23.49                       | 23.67                          | 23.65                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | 24.0                   | 0.0         |
| 40              | PI2 BPSK   | 1       | 1         | 23.63                       | 23.68                          | 23.62                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3465                        | 3500.01                        | 3535.02                      | 24.0                   | 0.0         |
| 30              | PI2 BPSK   | 1       | 1         | 23.66                       | 23.72                          | 23.52                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3500.01                        | 3540                         | 24.0                   | 0.0         |
| 20              | PI2 BPSK   | 1       | 1         | 23.74                       | 23.67                          | 23.59                        | 24.0                   | 0.0         |



| Part27Q n77 HPUE Ant 9 |            |         |           |                       |                          |                        |                     |          |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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               |                          |                        |                     |          |
| Frequency (MHz)        |            |         |           | 24.83                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 1       | 1         | 24.82                 |                          |                        | 26.0                | 0.0      |
| 100                    | PI2 BPSK   | 1       | 137       | 24.82                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 1       | 271       | 24.58                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 135     | 0         | 24.21                 |                          |                        | 25.5                | 0.5      |
| 100                    | PI2 BPSK   | 135     | 69        | 24.80                 |                          |                        | 26.0                | 0.0      |
| 100                    | PI2 BPSK   | 135     | 138       | 24.36                 |                          |                        | 25.5                | 0.5      |
| 100                    | PI2 BPSK   | 270     | 0         | 24.32                 |                          |                        |                     |          |
| 100                    | QPSK       | 1       | 1         | 23.97                 |                          |                        |                     |          |
| 100                    | QPSK       | 1       | 137       | 23.91                 |                          |                        | 25.0                | 1.0      |
| 100                    | QPSK       | 1       | 271       | 23.82                 |                          |                        |                     |          |
| 100                    | QPSK       | 135     | 0         | 23.41                 |                          |                        | 24.0                | 2.0      |
| 100                    | QPSK       | 135     | 69        | 23.84                 |                          |                        | 25.0                | 1.0      |
| 100                    | QPSK       | 135     | 138       | 23.11                 |                          |                        | 24.0                | 2.0      |
| 100                    | QPSK       | 270     | 0         | 23.20                 |                          |                        |                     |          |
| 100                    | 16QAM      | 1       | 1         | 23.07                 |                          |                        | 24.0                | 2.0      |
| 100                    | 64QAM      | 1       | 1         | 21.07                 |                          |                        | 22.0                | 4.0      |
| 100                    | 256QAM     | 1       | 1         | 20.02                 |                          |                        | 21.0                | 5.0      |
| Channel                |            |         |           | 6320.00               | 6333.34                  | 6340.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3510                   |                     |          |
| 80                     | PI2 BPSK   | 1       | 1         | 24.79                 | 24.77                    | 24.74                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6320.00               | 6333.34                  | 6340.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3460                  | 3500.01                  | 3520.02                |                     |          |
| 60                     | PI2 BPSK   | 1       | 1         | 24.76                 | 24.81                    | 24.76                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6313.34               | 6333.34                  | 6353.34                |                     |          |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40                     | PI2 BPSK   | 1       | 1         | 24.80                 | 24.80                    | 24.79                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6310.00               | 6333.34                  | 6356.68                |                     |          |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30                     | PI2 BPSK   | 1       | 1         | 24.82                 | 24.79                    | 24.71                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6320.00               | 6333.34                  | 6350.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20                     | PI2 BPSK   | 1       | 1         | 24.72                 | 24.71                    | 24.81                  | 26.0                | 0.0      |

| Part27O n78 Ant 9 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                  |                          |                        |                     |          |
| Frequency (MHz)   |            |         |           | 23.20                 |                          |                        |                     |          |
| 100               | PI2 BPSK   | 1       | 1         | 23.12                 |                          |                        | 24.0                | 0.0      |
| 100               | PI2 BPSK   | 1       | 271       | 23.08                 |                          |                        |                     |          |
| 100               | PI2 BPSK   | 135     | 0         | 22.81                 |                          |                        | 23.5                | 0.5      |
| 100               | PI2 BPSK   | 135     | 69        | 23.17                 |                          |                        | 24.0                | 0.0      |
| 100               | PI2 BPSK   | 135     | 138       | 22.76                 |                          |                        | 23.5                | 0.5      |
| 100               | PI2 BPSK   | 270     | 0         | 22.63                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 1         | 22.15                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 137       | 21.99                 |                          |                        | 23.0                | 1.0      |
| 100               | QPSK       | 1       | 271       | 22.05                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 21.56                 |                          |                        | 22.0                | 2.0      |
| 100               | QPSK       | 135     | 69        | 22.11                 |                          |                        | 23.0                | 1.0      |
| 100               | QPSK       | 135     | 138       | 21.09                 |                          |                        | 22.0                | 2.0      |
| 100               | QPSK       | 270     | 0         | 21.17                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 21.30                 |                          |                        | 22.0                | 2.0      |
| 100               | 64QAM      | 1       | 1         | 19.79                 |                          |                        | 20.5                | 3.5      |
| 100               | 256QAM     | 1       | 1         | 18.22                 |                          |                        | 19.0                | 5.0      |
| Channel           |            |         |           | 6490.00               | 6500.00                  | 6503.34                |                     |          |
| Frequency (MHz)   |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 90                | PI2 BPSK   | 1       | 1         | 23.09                 | 23.03                    | 22.94                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6493.34               | 6500.00                  | 6506.68                |                     |          |
| Frequency (MHz)   |            |         |           | 3742.01               | 3750                     | 3760.02                |                     |          |
| 80                | PI2 BPSK   | 1       | 1         | 23.09                 | 23.03                    | 22.96                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6490.00               | 6500.00                  | 6510.00                |                     |          |
| Frequency (MHz)   |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70                | PI2 BPSK   | 1       | 1         | 22.95                 | 23.13                    | 22.91                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6486.68               | 6500.00                  | 6513.34                |                     |          |
| Frequency (MHz)   |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |
| 60                | PI2 BPSK   | 1       | 1         | 23.07                 | 23.01                    | 23.00                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6483.34               | 6500.00                  | 6510.00                |                     |          |
| Frequency (MHz)   |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50                | PI2 BPSK   | 1       | 1         | 22.97                 | 23.12                    | 22.96                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6480.00               | 6500.00                  | 6520.00                |                     |          |
| Frequency (MHz)   |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40                | PI2 BPSK   | 1       | 1         | 23.11                 | 23.02                    | 22.92                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6476.68               | 6500.00                  | 6523.34                |                     |          |
| Frequency (MHz)   |            |         |           | 3715.02               | 3750                     | 3795.01                |                     |          |
| 30                | PI2 BPSK   | 1       | 1         | 23.09                 | 23.04                    | 22.89                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6473.34               | 6500.00                  | 6526.68                |                     |          |
| Frequency (MHz)   |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |
| 20                | PI2 BPSK   | 1       | 1         | 22.95                 | 23.15                    | 22.86                  | 24.0                | 0.0      |

| Part27O n78 HPUE Ant 9 |            |         |           |                       |                          |                        |                     |          |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                  |                          |                        |                     |          |
| Frequency (MHz)        |            |         |           | 23.07                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 1       | 1         | 23.07                 |                          |                        | 26.0                | 0.0      |
| 100                    | PI2 BPSK   | 1       | 137       | 24.96                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 1       | 271       | 24.77                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 135     | 0         | 24.35                 |                          |                        | 25.5                | 0.5      |
| 100                    | PI2 BPSK   | 135     | 69        | 24.66                 |                          |                        | 26.0                | 0.0      |
| 100                    | PI2 BPSK   | 135     | 138       | 24.59                 |                          |                        | 25.5                | 0.5      |
| 100                    | PI2 BPSK   | 270     | 0         | 24.40                 |                          |                        |                     |          |
| 100                    | QPSK       | 1       | 1         | 24.15                 |                          |                        |                     |          |
| 100                    | QPSK       | 1       | 137       | 24.06                 |                          |                        | 25.0                | 1.0      |
| 100                    | QPSK       | 1       | 271       | 24.08                 |                          |                        |                     |          |
| 100                    | QPSK       | 135     | 0         | 23.60                 |                          |                        | 24.5                | 1.5      |
| 100                    | QPSK       | 135     | 69        | 24.06                 |                          |                        | 25.0                | 1.0      |
| 100                    | QPSK       | 135     | 138       | 23.21                 |                          |                        | 24.5                | 1.5      |
| 100                    | QPSK       | 270     | 0         | 23.31                 |                          |                        |                     |          |
| 100                    | 16QAM      | 1       | 1         | 23.21                 |                          |                        | 24.5                | 1.5      |
| 100                    | 64QAM      | 1       | 1         | 21.73                 |                          |                        | 23.0                | 3.0      |
| 100                    | 256QAM     | 1       | 1         | 20.13                 |                          |                        | 21.5                | 4.5      |
| Channel                |            |         |           | 6496.68               | 6500.00                  | 6503.34                |                     |          |
| Frequency (MHz)        |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 90                     | PI2 BPSK   | 1       | 1         | 24.88                 | 24.99                    | 25.00                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6493.34               | 6500.00                  | 6506.68                |                     |          |
| Frequency (MHz)        |            |         |           | 3742.01               | 3750                     | 3760.02                |                     |          |
| 80                     | PI2 BPSK   | 1       | 1         | 24.91                 | 24.95                    | 24.98                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6490.00               | 6500.00                  | 6510.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70                     | PI2 BPSK   | 1       | 1         | 25.04                 | 24.98                    | 25.03                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6486.68               | 6500.00                  | 6513.34                |                     |          |
| Frequency (MHz)        |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |
| 60                     | PI2 BPSK   | 1       | 1         | 24.85                 | 25.05                    | 24.85                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6483.34               | 6500.00                  | 6510.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50                     | PI2 BPSK   | 1       | 1         | 25.00                 | 25.00                    | 24.91                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6480.00               | 6500.00                  | 6520.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40                     | PI2 BPSK   | 1       | 1         | 24.83                 | 24.81                    | 24.98                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6476.68               | 6500.00                  | 6523.34                |                     |          |
| Frequency (MHz)        |            |         |           | 3715.02               | 3750                     | 3795.01                |                     |          |
| 30                     | PI2 BPSK   | 1       | 1         | 24.99                 | 24.99                    | 25.02                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6473.34               | 6500.00                  | 6526.68                |                     |          |
| Frequency (MHz)        |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |
| 20                     | PI2 BPSK   | 1       | 1         | 24.97                 | 25.02                    | 24.84                  | 26.0                | 0.0      |



| Part27Q n78 Ant 9 |            |         |           |                       |                       |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------------|----------|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Max Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 3500.01               |                       |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 23.53                 |                       |                        |                     |          |  |
| 100               | PI2 BPSK   | 1       | 1         |                       | 23.53                 |                        | 24.0                | 0.0      |  |
| 100               | PI2 BPSK   | 1       | 137       |                       | 23.43                 |                        |                     |          |  |
| 100               | PI2 BPSK   | 1       | 271       |                       | 23.33                 |                        |                     |          |  |
| 100               | PI2 BPSK   | 135     | 0         |                       | 23.17                 |                        | 23.5                | 0.5      |  |
| 100               | PI2 BPSK   | 135     | 69        |                       | 23.39                 |                        | 24.0                | 0.0      |  |
| 100               | PI2 BPSK   | 135     | 138       |                       | 23.00                 |                        | 23.5                | 0.5      |  |
| 100               | PI2 BPSK   | 270     | 0         |                       | 22.88                 |                        |                     |          |  |
| 100               | QPSK       | 1       | 1         |                       | 22.42                 |                        | 23.0                | 1.0      |  |
| 100               | QPSK       | 1       | 137       |                       | 22.25                 |                        |                     |          |  |
| 100               | QPSK       | 1       | 271       |                       | 22.22                 |                        |                     |          |  |
| 100               | QPSK       | 135     | 0         |                       | 21.76                 |                        | 22.0                | 2.0      |  |
| 100               | QPSK       | 135     | 69        |                       | 22.39                 |                        | 23.0                | 1.0      |  |
| 100               | QPSK       | 135     | 138       |                       | 21.37                 |                        | 22.0                | 2.0      |  |
| 100               | QPSK       | 270     | 0         |                       | 21.58                 |                        | 22.0                | 2.0      |  |
| 100               | 16QAM      | 1       | 1         |                       | 21.59                 |                        | 20.5                | 3.5      |  |
| 100               | 64QAM      | 1       | 1         |                       | 20.01                 |                        | 19.0                | 5.0      |  |
| 100               | 256QAM     | 1       | 1         |                       | 18.58                 |                        |                     |          |  |
| Channel           |            |         |           | 633000                | 633334                | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01               | 3505.02                | 24.0                | 0.0      |  |
| 90                | PI2 BPSK   | 1       | 1         |                       | 23.38                 | 23.37                  | 23.22               | 24.0     |  |
| Channel           |            |         |           | 630968                | 633334                | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3499.02               | 3500.01               | 3501.01                | 24.0                | 0.0      |  |
| 80                | PI2 BPSK   | 1       | 1         |                       | 23.26                 | 23.50                  | 23.31               | 24.0     |  |
| Channel           |            |         |           | 632334                | 633334                | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01               | 3515.01                | 24.0                | 0.0      |  |
| 70                | PI2 BPSK   | 1       | 1         |                       | 23.24                 | 23.33                  | 23.39               | 24.0     |  |
| Channel           |            |         |           | 632000                | 633334                | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01               | 3520.02                | 24.0                | 0.0      |  |
| 60                | PI2 BPSK   | 1       | 1         |                       | 23.36                 | 23.46                  | 23.24               | 24.0     |  |
| Channel           |            |         |           | 631668                | 633334                | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01               | 3525                   | 24.0                | 0.0      |  |
| 50                | PI2 BPSK   | 1       | 1         |                       | 23.39                 | 23.42                  | 23.25               | 24.0     |  |
| Channel           |            |         |           | 631334                | 633334                | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01               | 3530.01                | 24.0                | 0.0      |  |
| 40                | PI2 BPSK   | 1       | 1         |                       | 23.23                 | 23.38                  | 23.18               | 24.0     |  |
| Channel           |            |         |           | 631000                | 633334                | 636668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01               | 3535.02                | 24.0                | 0.0      |  |
| 30                | PI2 BPSK   | 1       | 1         |                       | 23.33                 | 23.44                  | 23.31               | 24.0     |  |
| Channel           |            |         |           | 630668                | 633334                | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01               | 3540                   | 24.0                | 0.0      |  |
| 20                | PI2 BPSK   | 1       | 1         |                       | 23.21                 | 23.35                  | 23.43               | 24.0     |  |

| Part27Q n78 HPUE Ant 9 |            |         |           |                       |                       |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------------|----------|--|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Max Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                |            |         |           | 3500.01               |                       |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 24.69                 |                       |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 1         |                       | 24.69                 |                        | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 1       | 137       |                       | 24.62                 |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 271       |                       | 24.52                 |                        |                     |          |  |
| 100                    | PI2 BPSK   | 135     | 0         |                       | 24.17                 |                        | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 135     | 69        |                       | 24.62                 |                        | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 135     | 138       |                       | 24.26                 |                        | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 270     | 0         |                       | 24.16                 |                        |                     |          |  |
| 100                    | QPSK       | 1       | 1         |                       | 23.92                 |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 1       | 137       |                       | 23.87                 |                        |                     |          |  |
| 100                    | QPSK       | 1       | 271       |                       | 23.81                 |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         |                       | 23.41                 |                        | 24.5                | 1.5      |  |
| 100                    | QPSK       | 135     | 69        |                       | 23.88                 |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 138       |                       | 22.96                 |                        | 24.5                | 1.5      |  |
| 100                    | QPSK       | 270     | 0         |                       | 23.06                 |                        | 24.5                | 1.5      |  |
| 100                    | 16QAM      | 1       | 1         |                       | 22.93                 |                        | 23.0                | 3.0      |  |
| 100                    | 64QAM      | 1       | 1         |                       | 21.41                 |                        | 21.5                | 4.5      |  |
| 100                    | 256QAM     | 1       | 1         |                       | 19.92                 |                        |                     |          |  |
| Channel                |            |         |           | 633000                | 633334                | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3495                  | 3500.01               | 3505.02                | 26.0                | 0.0      |  |
| 90                     | PI2 BPSK   | 1       | 1         |                       | 24.75                 | 24.70                  | 24.82               | 26.0     |  |
| Channel                |            |         |           | 630968                | 633334                | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3499.02               | 3500.01               | 3501.01                | 26.0                | 0.0      |  |
| 80                     | PI2 BPSK   | 1       | 1         |                       | 24.83                 | 24.81                  | 24.57               | 26.0     |  |
| Channel                |            |         |           | 632334                | 633334                | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01               | 3515.01                | 26.0                | 0.0      |  |
| 70                     | PI2 BPSK   | 1       | 1         |                       | 24.69                 | 24.78                  | 24.69               | 26.0     |  |
| Channel                |            |         |           | 632000                | 633334                | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3480                  | 3500.01               | 3520.02                | 26.0                | 0.0      |  |
| 60                     | PI2 BPSK   | 1       | 1         |                       | 24.77                 | 24.81                  | 24.60               | 26.0     |  |
| Channel                |            |         |           | 631668                | 633334                | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3475.02               | 3500.01               | 3525                   | 26.0                | 0.0      |  |
| 50                     | PI2 BPSK   | 1       | 1         |                       | 24.70                 | 24.83                  | 24.66               | 26.0     |  |
| Channel                |            |         |           | 631334                | 633334                | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01               | 3530.01                | 26.0                | 0.0      |  |
| 40                     | PI2 BPSK   | 1       | 1         |                       | 24.94                 | 24.80                  | 24.77               | 26.0     |  |
| Channel                |            |         |           | 631000                | 633334                | 636668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01               | 3535.02                | 26.0                | 0.0      |  |
| 30                     | PI2 BPSK   | 1       | 1         |                       | 24.68                 | 24.68                  | 24.40               | 26.0     |  |
| Channel                |            |         |           | 630668                | 633334                | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01               | 3540                   | 26.0                | 0.0      |  |
| 20                     | PI2 BPSK   | 1       | 1         |                       | 24.81                 | 24.78                  | 24.56               | 26.0     |  |



Reduced Power Mode for DS12

| n2 Ant 0        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 372000                | 376000                   | 380000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | Pliz BPSK  | 1       | 1         | 22.37                 | 22.53                    | 22.43                  | 24.0                | 0.0      |
| 20              | Pliz BPSK  | 1       | 53        | 22.35                 | 22.49                    | 22.44                  |                     |          |
| 20              | Pliz BPSK  | 1       | 104       | 22.32                 | 22.40                    | 22.33                  | 23.5                | 0.5      |
| 20              | Pliz BPSK  | 50      | 0         | 21.90                 | 21.97                    | 21.97                  |                     |          |
| 20              | Pliz BPSK  | 50      | 28        | 22.42                 | 22.49                    | 22.33                  | 24.0                | 0.0      |
| 20              | Pliz BPSK  | 50      | 56        | 21.75                 | 21.91                    | 21.86                  | 23.5                | 0.5      |
| 20              | Pliz BPSK  | 100     | 0         | 21.92                 | 21.94                    | 21.89                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.52                 | 22.56                    | 22.56                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.49                 | 22.56                    | 22.42                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.38                 | 22.53                    | 22.42                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.51                 | 21.58                    | 21.55                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.39                 | 22.54                    | 22.40                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.48                 | 21.54                    | 21.40                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.55                 | 21.60                    | 21.47                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.50                 | 21.61                    | 21.50                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.96                 | 20.12                    | 20.07                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.03                 | 18.17                    | 18.04                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371900                | 376000                   | 380500                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.33                 | 22.55                    | 22.44                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1865                  | 1880                     | 1905                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.33                 | 22.44                    | 22.44                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.34                 | 22.40                    | 22.32                  | 24.0                | 0.0      |

| n5 Ant 0        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 166000                | 167000                   | 167800                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 838                    |                     |          |
| 20              | Pliz BPSK  | 1       | 1         | 22.59                 | 22.73                    | 22.58                  | 24.0                | 0.0      |
| 20              | Pliz BPSK  | 1       | 53        | 22.58                 | 22.68                    | 22.60                  |                     |          |
| 20              | Pliz BPSK  | 1       | 104       | 22.56                 | 22.61                    | 22.46                  | 23.5                | 0.5      |
| 20              | Pliz BPSK  | 50      | 0         | 22.10                 | 22.16                    | 22.12                  |                     |          |
| 20              | Pliz BPSK  | 50      | 28        | 22.55                 | 22.64                    | 22.50                  | 24.0                | 0.0      |
| 20              | Pliz BPSK  | 50      | 56        | 21.99                 | 22.04                    | 22.02                  | 23.5                | 0.5      |
| 20              | Pliz BPSK  | 100     | 0         | 21.96                 | 22.11                    | 21.96                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.72                 | 22.80                    | 22.70                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.59                 | 22.72                    | 22.59                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.61                 | 22.67                    | 22.63                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.67                 | 21.71                    | 21.56                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.64                 | 22.72                    | 22.62                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.50                 | 21.62                    | 21.54                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.57                 | 21.68                    | 21.59                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.71                 | 21.80                    | 21.81                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.29                 | 20.39                    | 20.27                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.38                 | 18.43                    | 18.33                  | 19.5                | 4.5      |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.62                 | 22.64                    | 22.61                  | 24.0                | 0.0      |
| Channel         |            |         |           | 165300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.57                 | 22.62                    | 22.52                  | 24.0                | 0.0      |
| Channel         |            |         |           | 165300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.62                 | 22.74                    | 22.58                  | 24.0                | 0.0      |

| n12 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 141300                | 141500                   | 141700                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |          |
| 15              | Pliz BPSK  | 1       | 1         | 22.36                 | 22.40                    | 22.12                  | 24.0                | 0.0      |
| 15              | Pliz BPSK  | 1       | 40        | 22.03                 | 22.22                    | 22.20                  |                     |          |
| 15              | Pliz BPSK  | 1       | 77        | 22.28                 | 22.37                    | 22.09                  | 23.5                | 0.5      |
| 15              | Pliz BPSK  | 36      | 0         | 21.60                 | 21.65                    | 21.55                  |                     |          |
| 15              | Pliz BPSK  | 36      | 22        | 22.15                 | 22.33                    | 22.12                  | 24.0                | 0.0      |
| 15              | Pliz BPSK  | 36      | 43        | 21.58                 | 21.79                    | 21.61                  | 23.5                | 0.5      |
| 15              | Pliz BPSK  | 75      | 0         | 21.63                 | 21.65                    | 21.61                  |                     |          |
| 15              | QPSK       | 1       | 1         | 22.26                 | 22.41                    | 22.32                  | 24.0                | 0.0      |
| 15              | QPSK       | 1       | 40        | 22.05                 | 22.35                    | 22.20                  |                     |          |
| 15              | QPSK       | 1       | 77        | 22.32                 | 22.24                    | 22.20                  | 23.0                | 1.0      |
| 15              | QPSK       | 36      | 0         | 21.24                 | 21.28                    | 21.09                  |                     |          |
| 15              | QPSK       | 36      | 22        | 22.32                 | 22.33                    | 22.16                  | 24.0                | 0.0      |
| 15              | QPSK       | 36      | 43        | 21.22                 | 21.27                    | 21.17                  | 23.0                | 1.0      |
| 15              | QPSK       | 75      | 0         | 21.05                 | 21.27                    | 21.15                  |                     |          |
| 15              | 16QAM      | 1       | 1         | 21.34                 | 21.57                    | 21.33                  | 23.0                | 1.0      |
| 15              | 64QAM      | 1       | 1         | 19.75                 | 20.02                    | 19.77                  | 21.5                | 2.5      |
| 15              | 256QAM     | 1       | 1         | 17.92                 | 18.05                    | 17.83                  | 19.5                | 4.5      |
| Channel         |            |         |           | 140800                | 141500                   | 142000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.09                 | 22.14                    | 22.15                  | 24.0                | 0.0      |
| Channel         |            |         |           | 140300                | 141500                   | 142000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.07                 | 22.28                    | 22.12                  | 24.0                | 0.0      |

| n25 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPE (dB) |
| Channel         |            |         |           | 372000                | 376000                   | 381000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |          |
| 20              | Plz2 BPSK  | 1       | 1         | 22.66                 | 22.61                    | 22.68                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 1       | 53        | 22.83                 | 22.60                    | 22.79                  |                     |          |
| 20              | Plz2 BPSK  | 1       | 104       | 22.86                 | 22.63                    | 22.84                  |                     |          |
| 20              | Plz2 BPSK  | 50      | 0         | 22.26                 | 22.13                    | 22.33                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 50      | 28        | 22.85                 | 22.62                    | 22.63                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 50      | 56        | 22.30                 | 22.31                    | 22.30                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 100     | 0         | 22.22                 | 22.31                    | 22.32                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.63                 | 22.66                    | 22.73                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.63                 | 22.74                    | 22.73                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.65                 | 22.68                    | 22.62                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.77                 | 21.77                    | 21.73                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.65                 | 22.73                    | 22.71                  |                     |          |
| 20              | QPSK       | 50      | 56        | 21.71                 | 21.86                    | 21.85                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.65                 | 21.81                    | 21.80                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.76                 | 21.83                    | 21.81                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.20                 | 20.13                    | 20.24                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.21                 | 18.14                    | 18.12                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371800                | 376800                   | 381800                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1867.5                | 1882.5                   | 1907.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.58                 | 22.71                    | 22.58                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 380000                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1910                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.66                 | 22.62                    | 22.67                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371600                | 376600                   | 380600                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1882.5                | 1882.5                   | 1912.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.76                 | 22.71                    | 22.52                  | 24.0                | 0.0      |

| n66 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPE (dB) |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20              | Plz2 BPSK  | 1       | 1         | 22.16                 | 22.27                    | 22.15                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 1       | 53        | 22.21                 | 22.21                    | 22.17                  |                     |          |
| 20              | Plz2 BPSK  | 1       | 104       | 22.04                 | 22.21                    | 22.13                  |                     |          |
| 20              | Plz2 BPSK  | 50      | 0         | 21.55                 | 21.65                    | 21.64                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 50      | 28        | 22.06                 | 22.23                    | 22.08                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 50      | 56        | 21.56                 | 21.66                    | 21.51                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 100     | 0         | 21.56                 | 21.53                    | 21.60                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.25                 | 22.28                    | 22.22                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.18                 | 22.32                    | 22.21                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.16                 | 22.24                    | 22.22                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.12                 | 21.24                    | 21.21                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.25                 | 22.35                    | 22.18                  |                     |          |
| 20              | QPSK       | 50      | 56        | 21.05                 | 21.16                    | 21.03                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.17                 | 21.20                    | 21.14                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.23                 | 21.39                    | 21.18                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.62                 | 19.86                    | 19.72                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 17.64                 | 17.81                    | 17.73                  | 19.5                | 4.5      |
| Channel         |            |         |           | 343800                | 348800                   | 353800                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.20                 | 22.31                    | 22.12                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343000                | 348000                   | 353000                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.19                 | 22.22                    | 22.14                  | 24.0                | 0.0      |
| Channel         |            |         |           | 342600                | 347600                   | 352600                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.08                 | 22.21                    | 22.13                  | 24.0                | 0.0      |



| n5 Ant 1        |            |         |           |                                                                                                |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|------------------------------------------------------------------------------------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                                                                                            | 836.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.11                                                                                          | 22.22                    | 22.14                  | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.07                                                                                          | 22.15                    | 22.09                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.09                                                                                          | 22.12                    | 22.08                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.53                                                                                          | 21.55                    | 21.52                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.01                                                                                          | 22.17                    | 22.07                  | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 58        | 21.51                                                                                          | 21.53                    | 21.54                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.58                                                                                          | 21.53                    | 21.51                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.18                                                                                          | 22.28                    | 22.18                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.12                                                                                          | 22.24                    | 22.17                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.10                                                                                          | 22.18                    | 22.10                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 21.11                                                                                          | 21.19                    | 21.09                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 22.05                                                                                          | 22.19                    | 22.07                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 21.01                                                                                          | 21.04                    | 21.02                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.02                                                                                          | 21.10                    | 21.07                  | 22.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.18                                                                                          | 21.12                    | 21.26                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 19.70                                                                                          | 19.51                    | 19.64                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.74                                                                                          | 17.73                    | 17.64                  | 18.5                | 4.5      |  |
| Channel         |            |         |           | 166300                                                                                         | 167300                   | 166300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                                                                                          | 836.5                    | 841.5                  | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.07                                                                                          | 22.14                    | 22.10                  |                     |          |  |
| Channel         |            |         |           | 165800                                                                                         | 167300                   | 166800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 820 <th>836.5</th> <th>844</th> <th rowspan="2">23.0</th> <th colspan="2" rowspan="2">0.0</th> | 836.5                    | 844                    | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.01                                                                                          | 22.10                    | 22.07                  |                     |          |  |
| Channel         |            |         |           | 165300                                                                                         | 167300                   | 166300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                                                                                          | 836.5                    | 846.5                  | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.15                                                                                          | 22.22                    | 22.15                  |                     |          |  |

| n7 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 502000                | 507000                   | 512000                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.12                 | 22.26                    | 22.17                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.13                 | 22.24                    | 22.17                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.11                 | 22.15                    | 22.06                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.51                 | 21.56                    | 21.53                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.12                 | 22.24                    | 22.10                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 58        | 21.54                 | 21.53                    | 21.56                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.51                 | 21.52                    | 21.61                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.30                 | 22.35                    | 22.22                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.18                 | 22.31                    | 22.27                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.15                 | 22.24                    | 22.15                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.05                 | 21.19                    | 21.18                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.15                 | 22.25                    | 22.18                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 21.01                 | 21.08                    | 21.05                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.02                 | 21.13                    | 21.05                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.15                 | 21.22                    | 21.12                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.60                 | 19.76                    | 19.74                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.59                 | 17.68                    | 17.53                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.11                 | 22.29                    | 22.13                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.15                 | 22.25                    | 22.12                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.11                 | 22.18                    | 22.08                  |                     |          |  |

| n12 Ant 1       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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         |            |         |           | 141300                   | 141500                      | 141700                    | 23.0                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 706.5                    | 707.5                       | 708.5                     |                        |             |  |
| 15              | PI2 BPSK   | 1       | 1         | 21.90                    | 22.07                       | 21.73                     |                        |             |  |
| 15              | PI2 BPSK   | 1       | 40        | 21.67                    | 21.97                       | 21.86                     |                        |             |  |
| 15              | PI2 BPSK   | 1       | 77        | 21.89                    | 21.87                       | 21.99                     | 22.5                   | 0.5         |  |
| 15              | PI2 BPSK   | 36      | 0         | 21.12                    | 21.22                       | 21.17                     |                        |             |  |
| 15              | PI2 BPSK   | 36      | 22        | 21.84                    | 21.88                       | 21.78                     |                        |             |  |
| 15              | PI2 BPSK   | 36      | 43        | 21.32                    | 21.32                       | 21.08                     |                        |             |  |
| 15              | PI2 BPSK   | 75      | 0         | 21.33                    | 21.35                       | 21.24                     | 23.0                   | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 21.81                    | 22.06                       | 22.00                     |                        |             |  |
| 15              | QPSK       | 1       | 40        | 21.85                    | 21.93                       | 21.72                     |                        |             |  |
| 15              | QPSK       | 1       | 77        | 21.83                    | 21.94                       | 21.90                     |                        |             |  |
| 15              | QPSK       | 36      | 0         | 20.73                    | 20.75                       | 20.81                     | 22.0                   | 1.0         |  |
| 15              | QPSK       | 36      | 22        | 21.70                    | 21.96                       | 21.70                     |                        |             |  |
| 15              | QPSK       | 36      | 43        | 20.78                    | 20.92                       | 20.64                     |                        |             |  |
| 15              | QPSK       | 75      | 0         | 20.68                    | 20.89                       | 20.72                     |                        |             |  |
| 15              | 16QAM      | 1       | 1         | 21.03                    | 21.19                       | 21.11                     | 22.0                   | 1.0         |  |
| 15              | 64QAM      | 1       | 1         | 19.48                    | 19.52                       | 19.48                     |                        |             |  |
| 15              | 256QAM     | 1       | 1         | 17.32                    | 17.58                       | 17.30                     |                        |             |  |
| Channel         |            |         |           | 140300                   | 141500                      | 142200                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 704                      | 707.5                       | 711                       | 23.0                   | 0.0         |  |
| 10              | QPSK       | 1       | 1         | 21.24                    | 21.39                       | 21.42                     |                        |             |  |
| Channel         |            |         |           | 140300                   | 141500                      | 142700                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 701.5                    | 707.5                       | 713.5                     | 23.0                   | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 21.28                    | 21.38                       | 21.39                     |                        |             |  |





| n2 Ant 5        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 372000                | 376000                   | 380000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.68                 | 22.60                    | 22.62                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.53                 | 22.68                    | 22.60                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.36                 | 22.42                    | 22.52                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.16                 | 22.02                    | 22.09                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.50                 | 22.56                    | 22.36                  | 24.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 22.00                 | 22.05                    | 21.97                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.86                 | 21.99                    | 21.97                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.57                 | 22.76                    | 22.46                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.46                 | 22.58                    | 22.56                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.41                 | 22.71                    | 22.43                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.48                 | 21.65                    | 21.66                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.50                 | 22.65                    | 22.46                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.31                 | 21.49                    | 21.41                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.66                 | 21.67                    | 21.53                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.48                 | 21.69                    | 21.40                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 20.11                 | 20.19                    | 20.13                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.34                 | 18.24                    | 18.27                  |                     |          |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.63                 | 22.69                    | 22.58                  |                     |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1865                  | 1880                     | 1905                   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.48                 | 22.56                    | 22.39                  |                     |          |  |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.40                 | 22.48                    | 22.49                  |                     |          |  |

| n7 Ant 5        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 502000                | 507000                   | 512000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.32                 | 22.49                    | 22.48                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.29                 | 22.41                    | 22.30                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.24                 | 22.39                    | 22.34                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.69                 | 21.71                    | 21.59                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.30                 | 22.40                    | 22.28                  | 24.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.56                 | 21.63                    | 21.61                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.54                 | 21.63                    | 21.62                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.36                 | 22.58                    | 22.55                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.35                 | 22.49                    | 22.38                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.35                 | 22.49                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.28                 | 21.37                    | 21.32                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.32                 | 22.39                    | 22.30                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.12                 | 21.25                    | 21.24                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.12                 | 21.31                    | 21.29                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.39                 | 21.46                    | 21.29                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 19.87                 | 19.87                    | 19.85                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.71                 | 17.83                    | 17.79                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2635                     | 2662.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.14                 | 22.31                    | 22.25                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2635                     | 2665                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.07                 | 22.21                    | 22.12                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2635                     | 2667.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.04                 | 22.20                    | 22.17                  |                     |          |  |

| n66 Ant 5       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 344000                | 349000                   | 354000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.12                 | 22.36                    | 22.19                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.21                 | 22.23                    | 22.19                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.04                 | 22.11                    | 22.02                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.53                 | 21.78                    | 21.58                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.13                 | 22.30                    | 22.15                  | 24.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 22.16                 | 21.60                    | 21.63                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.53                 | 21.58                    | 21.51                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.34                 | 22.37                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.12                 | 22.28                    | 22.19                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.17                 | 22.21                    | 22.17                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.13                 | 21.23                    | 21.06                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.28                 | 22.33                    | 22.21                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.02                 | 21.01                    | 21.03                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.03                 | 21.16                    | 21.15                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.21                 | 21.28                    | 21.18                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 19.83                 | 19.74                    | 19.75                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.64                 | 17.91                    | 17.89                  |                     |          |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.17                 | 22.33                    | 22.12                  |                     |          |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.21                 | 22.28                    | 22.13                  |                     |          |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.22                 | 22.31                    | 22.12                  |                     |          |  |





| n48 Part96 Ant 5 |            |         |           |                      |                         |                       |                     |          |
|------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| 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          |            |         |           | 636000               | 641666                  | 646332                |                     |          |
| Frequency (MHz)  |            |         |           | 3520                 | 3624.99                 | 3679.98               |                     |          |
| 40               | Pl2 BPSK   | 1       | 1         | 22.08                | 22.53                   | 22.12                 |                     |          |
| 40               | Pl2 BPSK   | 1       | 53        | 22.02                | 22.10                   | 22.12                 | 23.0                | 0.0      |
| 40               | Pl2 BPSK   | 1       | 104       | 22.18                | 22.17                   | 22.16                 |                     |          |
| 40               | Pl2 BPSK   | 50      | 0         | 21.36                | 21.62                   | 21.43                 | 22.5                | 0.5      |
| 40               | Pl2 BPSK   | 50      | 28        | 21.84                | 22.03                   | 22.04                 | 23.0                | 0.0      |
| 40               | Pl2 BPSK   | 50      | 56        | 21.43                | 21.50                   | 21.34                 | 22.5                | 0.5      |
| 40               | Pl2 BPSK   | 100     | 0         | 21.47                | 21.54                   | 21.51                 |                     |          |
| 40               | QPSK       | 1       | 1         | 22.18                | 22.32                   | 22.09                 |                     |          |
| 40               | QPSK       | 1       | 53        | 22.01                | 22.19                   | 22.00                 | 23.0                | 0.0      |
| 40               | QPSK       | 1       | 104       | 22.00                | 22.11                   | 22.02                 |                     |          |
| 40               | QPSK       | 50      | 0         | 20.89                | 21.06                   | 21.00                 | 22.0                | 1.0      |
| 40               | QPSK       | 50      | 28        | 22.09                | 22.14                   | 22.02                 | 23.0                | 0.0      |
| 40               | QPSK       | 50      | 56        | 20.81                | 20.83                   | 20.80                 |                     |          |
| 40               | QPSK       | 100     | 0         | 20.96                | 21.03                   | 20.92                 | 22.0                | 1.0      |
| 40               | 16QAM      | 1       | 1         | 21.24                | 21.28                   | 21.21                 | 22.0                | 1.0      |
| 40               | 64QAM      | 1       | 1         | 19.79                | 19.82                   | 19.66                 | 20.5                | 2.5      |
| 40               | 256QAM     | 1       | 1         | 17.56                | 17.71                   | 17.64                 | 18.5                | 4.5      |
| Channel          |            |         |           | 637234               | 643666                  | 649100                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)  |            |         |           | 3560.01              | 3624.99                 | 3690                  |                     |          |
| 20               | QPSK       | 1       | 1         | 21.77                | 22.04                   | 21.99                 | 23.0                | 0.0      |

| Part270 n77 Ant 5 |            |         |           |                      |                         |                       |                     |          |
|-------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| 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)   |            |         |           | 3760                 | 3840                    | 3920                  |                     |          |
| 100               | Pl2 BPSK   | 1       | 1         | 21.65                | 21.43                   | 21.52                 |                     |          |
| 100               | Pl2 BPSK   | 1       | 137       | 21.25                | 21.38                   | 21.37                 | 23.0                | 0.0      |
| 100               | Pl2 BPSK   | 1       | 271       | 21.22                | 21.23                   | 21.20                 |                     |          |
| 100               | Pl2 BPSK   | 135     | 0         | 21.20                | 21.35                   | 21.31                 | 22.5                | 0.5      |
| 100               | Pl2 BPSK   | 135     | 69        | 21.32                | 21.34                   | 21.30                 | 23.0                | 0.0      |
| 100               | Pl2 BPSK   | 135     | 138       | 21.27                | 21.32                   | 21.26                 | 22.5                | 0.5      |
| 100               | Pl2 BPSK   | 270     | 0         | 21.21                | 21.24                   | 21.14                 |                     |          |
| 100               | QPSK       | 1       | 1         | 21.44                | 21.49                   | 21.35                 |                     |          |
| 100               | QPSK       | 1       | 137       | 21.31                | 21.42                   | 21.27                 | 23.0                | 0.0      |
| 100               | QPSK       | 1       | 271       | 21.31                | 21.39                   | 21.32                 |                     |          |
| 100               | QPSK       | 135     | 0         | 21.19                | 21.31                   | 21.21                 | 22.0                | 1.0      |
| 100               | QPSK       | 135     | 69        | 21.35                | 21.41                   | 21.39                 | 23.0                | 0.0      |
| 100               | QPSK       | 135     | 138       | 20.31                | 20.51                   | 20.28                 |                     |          |
| 100               | QPSK       | 270     | 0         | 20.43                | 20.57                   | 20.50                 | 22.0                | 1.0      |
| 100               | 16QAM      | 1       | 1         | 21.31                | 21.40                   | 21.26                 | 22.0                | 1.0      |
| 100               | 64QAM      | 1       | 1         | 19.68                | 19.89                   | 19.74                 | 20.5                | 2.5      |
| 100               | 256QAM     | 1       | 1         | 17.80                | 17.84                   | 17.78                 | 18.5                | 4.5      |
| Channel           |            |         |           | 645334               | 650000                  | 655666                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3740.01              | 3840                    | 3940.02               |                     |          |
| 80                | QPSK       | 1       | 1         | 21.24                | 21.27                   | 21.26                 | 23.0                | 0.0      |
| Channel           |            |         |           | 648000               | 650000                  | 652334                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3720.02              | 3840                    | 3940.01               |                     |          |
| 60                | QPSK       | 1       | 1         | 21.35                | 21.40                   | 21.33                 | 23.0                | 0.0      |
| Channel           |            |         |           | 648000               | 650000                  | 654000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3720                 | 3840                    | 3960                  |                     |          |
| 40                | QPSK       | 1       | 1         | 21.29                | 21.37                   | 21.23                 | 23.0                | 0.0      |
| Channel           |            |         |           | 647668               | 650000                  | 654334                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3715.02              | 3840                    | 3965.01               |                     |          |
| 30                | QPSK       | 1       | 1         | 21.31                | 21.32                   | 21.20                 | 23.0                | 0.0      |
| Channel           |            |         |           | 641334               | 650000                  | 658000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)   |            |         |           | 3710.01              | 3840                    | 3970.02               |                     |          |
| 20                | QPSK       | 1       | 1         | 21.28                | 21.31                   | 21.25                 | 23.0                | 0.0      |

| Part270 n77 HPUE Ant 5 |            |         |           |                      |                         |                       |                     |          |
|------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|
| 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)        |            |         |           | 3760                 | 3840                    | 3920                  |                     |          |
| 100                    | Pl2 BPSK   | 1       | 1         | 24.02                | 24.07                   | 24.06                 |                     |          |
| 100                    | Pl2 BPSK   | 1       | 137       | 24.01                | 24.02                   | 24.01                 | 26.0                | 0.0      |
| 100                    | Pl2 BPSK   | 1       | 271       | 24.02                | 24.03                   | 24.03                 |                     |          |
| 100                    | Pl2 BPSK   | 135     | 0         | 23.97                | 24.02                   | 23.98                 | 25.5                | 0.5      |
| 100                    | Pl2 BPSK   | 135     | 69        | 24.10                | 24.05                   | 24.01                 | 26.0                | 0.0      |
| 100                    | Pl2 BPSK   | 135     | 138       | 23.86                | 23.93                   | 23.83                 | 25.5                | 0.5      |
| 100                    | Pl2 BPSK   | 270     | 0         | 23.96                | 24.05                   | 23.80                 |                     |          |
| 100                    | QPSK       | 1       | 1         | 24.08                | 24.30                   | 24.02                 |                     |          |
| 100                    | QPSK       | 1       | 137       | 24.07                | 24.07                   | 24.02                 | 26.0                | 0.0      |
| 100                    | QPSK       | 1       | 271       | 24.03                | 24.02                   | 24.01                 |                     |          |
| 100                    | QPSK       | 135     | 0         | 23.87                | 24.02                   | 23.92                 | 25.0                | 1.0      |
| 100                    | QPSK       | 135     | 69        | 24.01                | 24.09                   | 24.02                 | 26.0                | 0.0      |
| 100                    | QPSK       | 135     | 138       | 24.01                | 24.02                   | 23.95                 |                     |          |
| 100                    | QPSK       | 270     | 0         | 23.88                | 24.00                   | 23.89                 | 25.0                | 1.0      |
| 100                    | 16QAM      | 1       | 1         | 23.23                | 23.26                   | 23.25                 | 25.0                | 1.0      |
| 100                    | 64QAM      | 1       | 1         | 21.53                | 21.54                   | 21.51                 | 23.5                | 2.5      |
| 100                    | 256QAM     | 1       | 1         | 20.18                | 20.28                   | 20.25                 | 21.5                | 4.5      |
| Channel                |            |         |           | 645334               | 650000                  | 655666                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3740.01              | 3840                    | 3940.02               |                     |          |
| 80                     | QPSK       | 1       | 1         | 24.06                | 24.08                   | 23.99                 | 26.0                | 0.0      |
| Channel                |            |         |           | 648000               | 650000                  | 653334                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3720.02              | 3840                    | 3940.01               |                     |          |
| 60                     | QPSK       | 1       | 1         | 23.96                | 24.04                   | 23.91                 | 26.0                | 0.0      |
| Channel                |            |         |           | 648000               | 650000                  | 654000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3720                 | 3840                    | 3960                  |                     |          |
| 40                     | QPSK       | 1       | 1         | 23.91                | 24.04                   | 23.84                 | 26.0                | 0.0      |
| Channel                |            |         |           | 647668               | 650000                  | 654334                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3715.02              | 3840                    | 3965.01               |                     |          |
| 30                     | QPSK       | 1       | 1         | 23.98                | 24.07                   | 23.98                 | 26.0                | 0.0      |
| Channel                |            |         |           | 641334               | 650000                  | 658000                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 3710.01              | 3840                    | 3970.02               |                     |          |
| 20                     | QPSK       | 1       | 1         | 23.98                | 24.10                   | 23.99                 | 26.0                | 0.0      |





| n7 Ant 6        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 22.15                 | 22.19                    | 22.12                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 53        | 22.09                 | 22.16                    | 22.06                  |                     |          |
| 20              | PI2 BPSK   | 1       | 104       | 22.00                 | 22.11                    | 21.96                  |                     |          |
| 20              | PI2 BPSK   | 50      | 0         | 21.43                 | 21.50                    | 21.36                  | 22.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 28        | 22.03                 | 22.12                    | 21.99                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 21.36                 | 21.42                    | 21.29                  | 22.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 21.36                 | 21.45                    | 21.37                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.20                 | 22.21                    | 22.22                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.06                 | 22.23                    | 22.16                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.06                 | 22.18                    | 22.12                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.09                 | 21.16                    | 21.12                  | 22.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 22.15                 | 22.18                    | 22.12                  | 23.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 20.90                 | 20.97                    | 20.94                  | 22.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 20.92                 | 21.06                    | 20.94                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.00                 | 21.14                    | 21.05                  | 22.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.74                 | 19.81                    | 19.68                  | 20.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 17.58                 | 17.59                    | 17.46                  | 18.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2635                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 22.13                 | 22.19                    | 22.08                  | 23.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2635                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.10                 | 22.21                    | 22.10                  | 23.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2635                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.03                 | 22.14                    | 22.06                  | 23.0                | 0.0      |



| n38 Ant 6       |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 518004                | 518000                   | 518996                 |          |
| Frequency (MHz) |            |         |           | 2560.02               | 2565                     | 2569.98                |          |
| 40              | PI2 BPSK   | 1       | 1         | 21.96                 | 22.07                    | 21.99                  |          |
| 40              | PI2 BPSK   | 1       | 53        | 21.87                 | 21.98                    | 21.96                  | 23.0     |
| 40              | PI2 BPSK   | 1       | 104       | 21.82                 | 21.97                    | 21.94                  |          |
| 40              | PI2 BPSK   | 50      | 0         | 21.34                 | 21.47                    | 21.31                  | 22.5 0.5 |
| 40              | PI2 BPSK   | 50      | 28        | 21.92                 | 21.99                    | 21.96                  | 23.0 0.0 |
| 40              | PI2 BPSK   | 50      | 56        | 21.22                 | 21.35                    | 21.30                  | 22.5 0.5 |
| 40              | PI2 BPSK   | 100     | 0         | 21.29                 | 21.42                    | 21.27                  |          |
| 40              | QPSK       | 1       | 1         | 22.06                 | 22.15                    | 22.04                  |          |
| 40              | QPSK       | 1       | 53        | 22.06                 | 22.08                    | 21.99                  | 23.0 0.0 |
| 40              | QPSK       | 1       | 104       | 21.95                 | 22.01                    | 21.97                  |          |
| 40              | QPSK       | 50      | 0         | 20.77                 | 20.88                    | 20.81                  | 22.0 1.0 |
| 40              | QPSK       | 50      | 28        | 21.96                 | 22.05                    | 22.02                  | 23.0 0.0 |
| 40              | QPSK       | 50      | 56        | 20.72                 | 20.87                    | 20.77                  | 22.0 1.0 |
| 40              | QPSK       | 100     | 0         | 20.91                 | 20.98                    | 20.84                  |          |
| 40              | 16QAM      | 1       | 1         | 20.89                 | 21.05                    | 20.98                  | 22.0 1.0 |
| 40              | 64QAM      | 1       | 1         | 19.87                 | 19.70                    | 19.61                  | 20.5 2.5 |
| 40              | 256QAM     | 1       | 1         | 17.54                 | 17.78                    | 17.69                  | 18.5 4.5 |
| Channel         |            |         |           | 517002                | 518000                   | 520000                 |          |
| Frequency (MHz) |            |         |           | 2585.01               | 2585                     | 2604.99                |          |
| 30              | QPSK       | 1       | 1         | 21.95                 | 22.12                    | 21.89                  | 23.0 0.0 |
| Channel         |            |         |           | 516000                | 518000                   | 520000                 |          |
| Frequency (MHz) |            |         |           | 2640                  | 2645                     | 2610                   |          |
| 20              | QPSK       | 1       | 1         | 21.98                 | 22.05                    | 21.90                  | 23.0 0.0 |

| n41 Ant 6       |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2552.98                  | 2640                   |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.18                 | 22.20                    | 21.98                  |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.15                 | 22.19                    | 21.91                  | 23.0 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 22.21                 | 22.24                    | 21.99                  |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.74                 | 21.85                    | 21.56                  | 22.5 0.5 |
| 100             | PI2 BPSK   | 135     | 69        | 22.17                 | 22.14                    | 22.00                  | 23.0 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 21.95                 | 21.74                    | 21.56                  | 22.5 0.5 |
| 100             | PI2 BPSK   | 270     | 0         | 21.88                 | 21.84                    | 21.50                  |          |
| 100             | QPSK       | 1       | 1         | 22.28                 | 22.35                    | 22.08                  |          |
| 100             | QPSK       | 1       | 137       | 22.32                 | 22.19                    | 21.84                  | 23.0 0.0 |
| 100             | QPSK       | 1       | 271       | 22.10                 | 21.82                    | 22.03                  |          |
| 100             | QPSK       | 135     | 0         | 21.24                 | 21.42                    | 21.07                  | 22.0 1.0 |
| 100             | QPSK       | 135     | 69        | 22.02                 | 22.25                    | 22.10                  | 23.0 0.0 |
| 100             | QPSK       | 135     | 138       | 21.39                 | 21.30                    | 21.13                  | 22.0 1.0 |
| 100             | QPSK       | 270     | 0         | 21.38                 | 21.43                    | 21.37                  |          |
| 100             | 16QAM      | 1       | 1         | 21.15                 | 21.41                    | 20.93                  | 22.0 1.0 |
| 100             | 64QAM      | 1       | 1         | 19.81                 | 19.97                    | 19.55                  | 20.5 2.5 |
| 100             | 256QAM     | 1       | 1         | 17.07                 | 17.96                    | 17.72                  | 18.5 4.5 |
| Channel         |            |         |           | 509200                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |          |
| 90              | QPSK       | 1       | 1         | 21.97                 | 21.89                    | 21.93                  | 23.0 0.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 80              | QPSK       | 1       | 1         | 21.83                 | 22.07                    | 22.02                  | 23.0 0.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 70              | QPSK       | 1       | 1         | 21.83                 | 21.88                    | 21.83                  | 23.0 0.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |          |
| Frequency (MHz) |            |         |           | 2626                  | 2592.99                  | 2659.98                |          |
| 60              | QPSK       | 1       | 1         | 22.02                 | 21.99                    | 22.00                  | 23.0 0.0 |
| Channel         |            |         |           | 503205                | 518998                   | 532998                 |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |          |
| 50              | QPSK       | 1       | 1         | 21.86                 | 22.07                    | 21.99                  | 23.0 0.0 |
| Channel         |            |         |           | 503202                | 518998                   | 534000                 |          |
| Frequency (MHz) |            |         |           | 2616.01               | 2592.99                  | 2670                   |          |
| 40              | QPSK       | 1       | 1         | 21.98                 | 22.10                    | 21.83                  | 23.0 0.0 |
| Channel         |            |         |           | 502200                | 518998                   | 534998                 |          |
| Frequency (MHz) |            |         |           | 2611                  | 2592.99                  | 2674.98                |          |
| 30              | QPSK       | 1       | 1         | 21.90                 | 22.08                    | 22.04                  | 23.0 0.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535998                 |          |
| Frequency (MHz) |            |         |           | 2606.02               | 2592.99                  | 2679.99                |          |
| 20              | QPSK       | 1       | 1         | 21.99                 | 21.98                    | 21.82                  | 23.0 0.0 |

| n41 HPUE Ant 6  |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2552.98                  | 2640                   |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.09                 | 24.08                    | 23.91                  |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.27                 | 24.07                    | 24.01                  | 25.0 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 23.94                 | 24.19                    | 24.06                  |          |
| 100             | PI2 BPSK   | 135     | 0         | 23.56                 | 23.92                    | 23.29                  | 24.5 0.5 |
| 100             | PI2 BPSK   | 135     | 69        | 24.05                 | 23.94                    | 24.08                  | 25.0 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 23.92                 | 23.53                    | 23.76                  | 24.5 0.5 |
| 100             | PI2 BPSK   | 270     | 0         | 23.92                 | 23.65                    | 23.50                  |          |
| 100             | QPSK       | 1       | 1         | 24.14                 | 24.39                    | 24.01                  |          |
| 100             | QPSK       | 1       | 137       | 24.02                 | 23.88                    | 23.80                  | 25.0 0.0 |
| 100             | QPSK       | 1       | 271       | 24.05                 | 23.76                    | 23.95                  |          |
| 100             | QPSK       | 135     | 0         | 23.21                 | 23.28                    | 23.01                  | 24.0 1.0 |
| 100             | QPSK       | 135     | 69        | 23.70                 | 23.93                    | 23.86                  | 25.0 0.0 |
| 100             | QPSK       | 135     | 138       | 23.10                 | 23.37                    | 22.99                  | 24.0 1.0 |
| 100             | QPSK       | 270     | 0         | 22.91                 | 23.07                    | 22.85                  |          |
| 100             | 16QAM      | 1       | 1         | 23.32                 | 23.22                    | 22.98                  | 24.0 1.0 |
| 100             | 64QAM      | 1       | 1         | 21.58                 | 21.53                    | 21.39                  | 22.5 2.5 |
| 100             | 256QAM     | 1       | 1         | 19.70                 | 19.56                    | 19.59                  | 20.5 4.5 |
| Channel         |            |         |           | 509200                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |          |
| 90              | QPSK       | 1       | 1         | 24.23                 | 24.16                    | 24.13                  | 25.0 0.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 80              | QPSK       | 1       | 1         | 24.23                 | 24.18                    | 24.03                  | 25.0 0.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 70              | QPSK       | 1       | 1         | 24.23                 | 24.18                    | 24.03                  | 25.0 0.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |          |
| Frequency (MHz) |            |         |           | 2626                  | 2592.99                  | 2659.98                |          |
| 60              | QPSK       | 1       | 1         | 24.14                 | 24.13                    | 24.13                  | 25.0 0.0 |
| Channel         |            |         |           | 503205                | 518998                   | 532998                 |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |          |
| 50              | QPSK       | 1       | 1         | 24.25                 | 24.18                    | 24.10                  | 25.0 0.0 |
| Channel         |            |         |           | 503202                | 518998                   | 534000                 |          |
| Frequency (MHz) |            |         |           | 2616.01               | 2592.99                  | 2670                   |          |
| 40              | QPSK       | 1       | 1         | 24.20                 | 24.34                    | 24.04                  | 25.0 0.0 |
| Channel         |            |         |           | 502200                | 518998                   | 534998                 |          |
| Frequency (MHz) |            |         |           | 2611                  | 2592.99                  | 2674.98                |          |
| 30              | QPSK       | 1       | 1         | 24.27                 | 24.16                    | 24.06                  | 25.0 0.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535998                 |          |
| Frequency (MHz) |            |         |           | 2606.02               | 2592.99                  | 2679.99                |          |
| 20              | QPSK       | 1       | 1         | 24.12                 | 24.14                    | 24.16                  | 25.0 0.0 |



| Part27O n77 Ant 6 |            |         |           |                              |                                 |                               |                     |
|-------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 650000 | Power Middle Ch. / Freq. 656000 | Power High Ch. / Freq. 662000 | Tune-up limit (dBm) |
| Channel           |            |         |           |                              |                                 |                               | MPR (dB)            |
| Frequency (MHz)   |            |         |           | 3750                         | 3840                            | 3930                          |                     |
| 100               | PI2 BPSK   | 1       | 1         | 22.30                        | 22.44                           | 22.38                         | 23.0                |
| 100               | PI2 BPSK   | 1       | 137       | 22.11                        | 22.29                           | 22.32                         |                     |
| 100               | PI2 BPSK   | 1       | 271       | 22.09                        | 22.28                           | 22.10                         |                     |
| 100               | PI2 BPSK   | 135     | 0         | 21.78                        | 21.87                           | 21.64                         | 22.5                |
| 100               | PI2 BPSK   | 135     | 69        | 22.42                        | 22.43                           | 22.33                         | 23.0                |
| 100               | PI2 BPSK   | 135     | 138       | 21.86                        | 21.75                           | 21.84                         | 22.5                |
| 100               | PI2 BPSK   | 270     | 0         | 21.83                        | 21.84                           | 21.62                         | 23.0                |
| 100               | QPSK       | 1       | 1         | 22.21                        | 22.25                           | 22.15                         |                     |
| 100               | QPSK       | 1       | 137       | 22.10                        | 22.24                           | 22.17                         |                     |
| 100               | QPSK       | 1       | 271       | 22.05                        | 22.19                           | 22.11                         | 22.0                |
| 100               | QPSK       | 135     | 0         | 20.82                        | 21.06                           | 20.97                         |                     |
| 100               | QPSK       | 135     | 69        | 22.11                        | 22.23                           | 22.10                         |                     |
| 100               | QPSK       | 135     | 138       | 20.94                        | 21.04                           | 21.02                         | 22.0                |
| 100               | QPSK       | 270     | 0         | 21.75                        | 21.75                           | 21.75                         | 22.0                |
| 100               | 16QAM      | 1       | 1         | 21.06                        | 21.12                           | 21.03                         |                     |
| 100               | 64QAM      | 1       | 1         | 19.69                        | 19.79                           | 19.67                         |                     |
| 100               | 256QAM     | 1       | 1         | 17.65                        | 17.72                           | 17.60                         | 20.5                |
| Channel           |            |         |           |                              |                                 |                               |                     |
| Frequency (MHz)   |            |         |           | 3760.01                      | 3840                            | 3940.02                       |                     |
| 80                | PI2 BPSK   | 1       | 1         | 22.12                        | 22.21                           | 22.07                         | 23.0                |
| Channel           |            |         |           | 648068                       | 656000                          | 663334                        |                     |
| Frequency (MHz)   |            |         |           | 3780.02                      | 3840                            | 3960.01                       |                     |
| 60                | PI2 BPSK   | 1       | 1         | 22.15                        | 22.19                           | 22.11                         | 23.0                |
| Channel           |            |         |           | 648000                       | 656000                          | 664000                        |                     |
| Frequency (MHz)   |            |         |           | 3720                         | 3840                            | 3960                          |                     |
| 40                | PI2 BPSK   | 1       | 1         | 22.10                        | 22.17                           | 22.09                         | 23.0                |
| Channel           |            |         |           | 647688                       | 656000                          | 664334                        |                     |
| Frequency (MHz)   |            |         |           | 3715.02                      | 3840                            | 3965.01                       |                     |
| 30                | PI2 BPSK   | 1       | 1         | 22.05                        | 22.23                           | 22.09                         | 23.0                |
| Channel           |            |         |           | 647234                       | 655000                          | 663000                        |                     |
| Frequency (MHz)   |            |         |           | 3710.01                      | 3840                            | 3970.02                       |                     |
| 20                | PI2 BPSK   | 1       | 1         | 22.07                        | 22.15                           | 22.17                         | 23.0                |

| Part27O n77 HPUE Ant 6 |            |         |           |                              |                                 |                               |                     |
|------------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 650000 | Power Middle Ch. / Freq. 656000 | Power High Ch. / Freq. 662000 | Tune-up limit (dBm) |
| Channel                |            |         |           |                              |                                 |                               | MPR (dB)            |
| Frequency (MHz)        |            |         |           | 3750                         | 3840                            | 3930                          |                     |
| 100                    | PI2 BPSK   | 1       | 1         | 24.51                        | 24.53                           | 24.29                         | 26.0                |
| 100                    | PI2 BPSK   | 1       | 137       | 24.04                        | 24.08                           | 24.17                         |                     |
| 100                    | PI2 BPSK   | 1       | 271       | 23.92                        | 24.14                           | 23.81                         |                     |
| 100                    | PI2 BPSK   | 135     | 0         | 23.33                        | 23.39                           | 23.24                         | 25.5                |
| 100                    | PI2 BPSK   | 135     | 69        | 24.10                        | 24.24                           | 23.96                         | 26.0                |
| 100                    | PI2 BPSK   | 135     | 138       | 23.15                        | 23.04                           | 23.09                         | 25.5                |
| 100                    | PI2 BPSK   | 270     | 0         | 23.10                        | 23.25                           | 23.23                         | 25.0                |
| 100                    | QPSK       | 1       | 1         | 23.39                        | 23.57                           | 23.52                         |                     |
| 100                    | QPSK       | 1       | 137       | 23.08                        | 23.23                           | 23.12                         |                     |
| 100                    | QPSK       | 1       | 271       | 23.10                        | 23.34                           | 23.06                         | 24.0                |
| 100                    | QPSK       | 135     | 0         | 22.27                        | 22.55                           | 22.26                         |                     |
| 100                    | QPSK       | 135     | 69        | 23.18                        | 23.23                           | 23.18                         |                     |
| 100                    | QPSK       | 135     | 138       | 22.19                        | 22.23                           | 21.96                         | 24.0                |
| 100                    | QPSK       | 270     | 0         | 22.05                        | 22.19                           | 22.24                         | 25.0                |
| 100                    | 16QAM      | 1       | 1         | 23.09                        | 23.32                           | 23.01                         |                     |
| 100                    | 64QAM      | 1       | 1         | 21.28                        | 21.48                           | 21.14                         |                     |
| 100                    | 256QAM     | 1       | 1         | 19.71                        | 19.61                           | 19.61                         | 21.5                |
| Channel                |            |         |           | 645334                       | 656000                          | 665068                        |                     |
| Frequency (MHz)        |            |         |           | 3760.01                      | 3840                            | 3940.02                       |                     |
| 80                     | PI2 BPSK   | 1       | 1         | 24.27                        | 24.21                           | 24.21                         | 26.0                |
| Channel                |            |         |           | 648068                       | 656000                          | 663334                        |                     |
| Frequency (MHz)        |            |         |           | 3780.02                      | 3840                            | 3960.01                       |                     |
| 60                     | PI2 BPSK   | 1       | 1         | 24.23                        | 24.39                           | 24.19                         | 26.0                |
| Channel                |            |         |           | 648000                       | 656000                          | 664000                        |                     |
| Frequency (MHz)        |            |         |           | 3720                         | 3840                            | 3960                          |                     |
| 40                     | PI2 BPSK   | 1       | 1         | 24.23                        | 24.19                           | 24.09                         | 26.0                |
| Channel                |            |         |           | 647688                       | 656000                          | 664334                        |                     |
| Frequency (MHz)        |            |         |           | 3715.02                      | 3840                            | 3965.01                       |                     |
| 30                     | PI2 BPSK   | 1       | 1         | 24.10                        | 24.21                           | 24.26                         | 26.0                |
| Channel                |            |         |           | 647234                       | 655000                          | 663000                        |                     |
| Frequency (MHz)        |            |         |           | 3710.01                      | 3840                            | 3970.02                       |                     |
| 20                     | PI2 BPSK   | 1       | 1         | 24.20                        | 24.16                           | 24.17                         | 26.0                |

| Part27Q n77 Ant 6 |            |         |           |                              |                                 |                               |                     |
|-------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 630000 | Power Middle Ch. / Freq. 633334 | Power High Ch. / Freq. 636668 | Tune-up limit (dBm) |
| Channel           |            |         |           |                              |                                 |                               | MPR (dB)            |
| Frequency (MHz)   |            |         |           |                              | 3000.01                         |                               |                     |
| 100               | PI2 BPSK   | 1       | 1         |                              | 22.23                           |                               | 23.0                |
| 100               | PI2 BPSK   | 1       | 137       |                              | 21.71                           |                               |                     |
| 100               | PI2 BPSK   | 1       | 271       |                              | 21.68                           |                               |                     |
| 100               | PI2 BPSK   | 135     | 0         |                              | 20.84                           |                               | 22.0                |
| 100               | PI2 BPSK   | 135     | 69        |                              | 22.14                           |                               | 23.0                |
| 100               | PI2 BPSK   | 135     | 138       |                              | 20.69                           |                               | 22.0                |
| 100               | PI2 BPSK   | 270     | 0         |                              | 20.71                           |                               | 22.0                |
| 100               | QPSK       | 1       | 1         |                              | 21.15                           |                               |                     |
| 100               | QPSK       | 1       | 137       |                              | 20.86                           |                               |                     |
| 100               | QPSK       | 1       | 271       |                              | 20.82                           |                               | 20.5                |
| 100               | QPSK       | 135     | 0         |                              | 19.75                           |                               |                     |
| 100               | QPSK       | 135     | 69        |                              | 21.27                           |                               |                     |
| 100               | QPSK       | 135     | 138       |                              | 19.61                           |                               | 20.5                |
| 100               | QPSK       | 270     | 0         |                              | 19.75                           |                               | 21.0                |
| 100               | 16QAM      | 1       | 1         |                              | 20.21                           |                               |                     |
| 100               | 64QAM      | 1       | 1         |                              | 18.58                           |                               |                     |
| 100               | 256QAM     | 1       | 1         |                              | 17.15                           |                               | 19.5                |
| Channel           |            |         |           | 632668                       | 633334                          | 634000                        |                     |
| Frequency (MHz)   |            |         |           | 3490.02                      | 3500.01                         | 3510                          |                     |
| 80                | PI2 BPSK   | 1       | 1         | 22.05                        | 22.05                           | 22.20                         | 23.0                |
| Channel           |            |         |           | 632000                       | 633334                          | 634668                        |                     |
| Frequency (MHz)   |            |         |           | 3490                         | 3500.01                         | 3510.02                       |                     |
| 60                | PI2 BPSK   | 1       | 1         | 22.18                        | 22.01                           | 22.07                         | 23.0                |
| Channel           |            |         |           | 631334                       | 633334                          | 635334                        |                     |
| Frequency (MHz)   |            |         |           | 3470.01                      | 3500.01                         | 3530.01                       |                     |
| 40                | PI2 BPSK   | 1       | 1         | 22.02                        | 22.22                           | 22.10                         | 23.0                |
| Channel           |            |         |           | 631000                       | 633334                          | 635668                        |                     |
| Frequency (MHz)   |            |         |           | 3465                         | 3500.01                         | 3535.02                       |                     |
| 30                | PI2 BPSK   | 1       | 1         | 22.05                        | 22.09                           | 22.04                         | 23.0                |
| Channel           |            |         |           | 630500                       | 632334                          | 635000                        |                     |
| Frequency (MHz)   |            |         |           | 3460.02                      | 3500.01                         | 3540                          |                     |
| 20                | PI2 BPSK   | 1       | 1         | 22.03                        | 22.02                           | 22.09                         | 23.0                |



| Part27Q n77 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 1         | 24.83                 | 3500.01                  |                        | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 1       | 137       | 24.81                 |                          |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 271       | 24.53                 |                          |                        |                     |          |  |
| 100                    | PI2 BPSK   | 135     | 0         | 24.29                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 135     | 69        | 24.83                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 135     | 138       | 24.18                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 270     | 0         | 24.38                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 1         | 24.01                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 1       | 137       | 23.79                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 271       | 23.59                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 23.22                 |                          |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 135     | 69        | 23.82                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 138       | 23.18                 |                          |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 270     | 0         | 23.47                 |                          |                        |                     |          |  |
| 100                    | 16QAM      | 1       | 1         | 23.51                 |                          |                        | 24.5                | 1.5      |  |
| 100                    | 64QAM      | 1       | 1         | 21.96                 |                          |                        | 23.0                | 3.0      |  |
| 100                    | 256QAM     | 1       | 1         | 20.05                 |                          |                        | 21.0                | 5.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 80                     | PI2 BPSK   | 1       | 1         | 24.36                 | 3500.01                  | 3500.01                | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 60                     | PI2 BPSK   | 1       | 1         | 24.46                 | 3500.01                  | 3500.02                | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 40                     | PI2 BPSK   | 1       | 1         | 24.52                 | 3500.01                  | 3500.01                | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 30                     | PI2 BPSK   | 1       | 1         | 24.41                 | 3500.01                  | 3500.02                | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 20                     | PI2 BPSK   | 1       | 1         | 24.37                 | 3500.01                  | 3500.01                | 26.0                | 0.0      |  |

| Part27O n78 Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 3750                  |                          |                        |                     |          |  |
| 100               | PI2 BPSK   | 1       | 1         | 21.64                 |                          |                        | 23.0                | 0.0      |  |
| 100               | PI2 BPSK   | 1       | 137       | 21.05                 |                          |                        |                     |          |  |
| 100               | PI2 BPSK   | 1       | 271       | 20.88                 |                          |                        |                     |          |  |
| 100               | PI2 BPSK   | 135     | 0         | 20.37                 |                          |                        | 22.5                | 0.5      |  |
| 100               | PI2 BPSK   | 135     | 69        | 21.65                 |                          |                        | 23.0                | 0.0      |  |
| 100               | PI2 BPSK   | 135     | 138       | 20.07                 |                          |                        | 22.5                | 0.5      |  |
| 100               | PI2 BPSK   | 270     | 0         | 20.29                 |                          |                        |                     |          |  |
| 100               | QPSK       | 1       | 1         | 21.28                 |                          |                        | 22.5                | 0.5      |  |
| 100               | QPSK       | 1       | 137       | 20.79                 |                          |                        |                     |          |  |
| 100               | QPSK       | 1       | 271       | 20.69                 |                          |                        |                     |          |  |
| 100               | QPSK       | 135     | 0         | 20.06                 |                          |                        | 21.5                | 1.5      |  |
| 100               | QPSK       | 135     | 69        | 20.82                 |                          |                        | 22.5                | 0.5      |  |
| 100               | QPSK       | 135     | 138       | 19.63                 |                          |                        | 21.5                | 1.5      |  |
| 100               | QPSK       | 270     | 0         | 20.11                 |                          |                        |                     |          |  |
| 100               | 16QAM      | 1       | 1         | 20.77                 |                          |                        | 22.0                | 1.0      |  |
| 100               | 64QAM      | 1       | 1         | 19.41                 |                          |                        | 20.5                | 2.5      |  |
| 100               | 256QAM     | 1       | 1         | 18.23                 |                          |                        | 18.5                | 4.5      |  |
| Channel           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 58586                 | 59000                    | 59034                  | Tune-up limit (dBm) | MPR (dB) |  |
| 90                | PI2 BPSK   | 1       | 1         | 21.62                 | 21.59                    | 21.54                  | 23.0                | 0.0      |  |
| Channel           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 3740.1                | 3750                     | 3760.2                 | Tune-up limit (dBm) | MPR (dB) |  |
| 80                | PI2 BPSK   | 1       | 1         | 21.07                 | 21.10                    | 21.11                  | 23.0                | 0.0      |  |
| Channel           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 66400                 | 66500                    | 66150                  | Tune-up limit (dBm) | MPR (dB) |  |
| 70                | PI2 BPSK   | 1       | 1         | 21.03                 | 21.09                    | 21.08                  | 23.0                | 0.0      |  |
| Channel           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |  |
| 60                | PI2 BPSK   | 1       | 1         | 20.45                 | 20.43                    | 20.47                  | 23.0                | 0.0      |  |
| Channel           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 60000                 | 60000                    | 60000                  | Tune-up limit (dBm) | MPR (dB) |  |
| 50                | PI2 BPSK   | 1       | 1         | 21.07                 | 21.10                    | 21.11                  | 23.0                | 0.0      |  |
| Channel           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 3720                  | 3750                     | 3780                   | Tune-up limit (dBm) | MPR (dB) |  |
| 40                | PI2 BPSK   | 1       | 1         | 20.12                 | 20.12                    | 20.11                  | 23.0                | 0.0      |  |
| Channel           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 64734                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |  |
| 30                | PI2 BPSK   | 1       | 1         | 20.37                 | 20.39                    | 20.38                  | 23.0                | 0.0      |  |
| Channel           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 310.81                | 310                      | 310.15                 | Tune-up limit (dBm) | MPR (dB) |  |
| 20                | PI2 BPSK   | 1       | 1         | 20.90                 | 20.88                    | 20.89                  | 23.0                | 0.0      |  |

| Part27O n78 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 1         | 24.29                 | 3750                     |                        | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 1       | 137       | 23.92                 |                          |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 271       | 23.69                 |                          |                        |                     |          |  |
| 100                    | PI2 BPSK   | 135     | 0         | 23.56                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 135     | 69        | 23.73                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 135     | 138       | 23.30                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 270     | 0         | 23.04                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 1         | 23.56                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 1       | 137       | 23.02                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 271       | 22.71                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 22.80                 |                          |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 135     | 69        | 22.72                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 135     | 138       | 22.36                 |                          |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 270     | 0         | 22.32                 |                          |                        |                     |          |  |
| 100                    | 16QAM      | 1       | 1         | 22.89                 |                          |                        | 24.5                | 1.5      |  |
| 100                    | 64QAM      | 1       | 1         | 21.89                 |                          |                        | 23.5                | 2.5      |  |
| 100                    | 256QAM     | 1       | 1         | 19.63                 |                          |                        | 21.5                | 4.5      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 90                     | PI2 BPSK   | 1       | 1         | 24.16                 | 24.11                    | 24.02                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 80                     | PI2 BPSK   | 1       | 1         | 24.02                 | 24.11                    | 23.93                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 70                     | PI2 BPSK   | 1       | 1         | 24.01                 | 24.01                    | 24.19                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 60                     | PI2 BPSK   | 1       | 1         | 24.02                 | 24.09                    | 23.89                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 50                     | PI2 BPSK   | 1       | 1         | 24.11                 | 24.11                    | 23.94                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 40                     | PI2 BPSK   | 1       | 1         | 24.16                 | 24.24                    | 23.90                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 30                     | PI2 BPSK   | 1       | 1         | 23.89                 | 24.10                    | 23.97                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 20                     | PI2 BPSK   | 1       | 1         | 24.06                 | 24.02                    | 24.01                  | 26.0                | 0.0      |  |



| Part27Q n78 Ant 6 |            |         |           |                             |                                |                              |                        |             |  |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| 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           |            |         |           | 3500.01                     |                                |                              |                        |             |  |
| Frequency (MHz)   |            |         |           | 22.03                       |                                |                              |                        |             |  |
| 100               | PI/2 BPSK  | 1       | 1         |                             | 22.01                          |                              | 23.0                   | 0.0         |  |
| 100               | PI/2 BPSK  | 1       | 137       |                             | 21.75                          |                              |                        |             |  |
| 100               | PI/2 BPSK  | 1       | 271       |                             | 21.00                          |                              | 22.5                   | 0.5         |  |
| 100               | PI/2 BPSK  | 135     | 0         |                             | 21.85                          |                              | 23.0                   | 0.9         |  |
| 100               | PI/2 BPSK  | 135     | 138       |                             | 20.81                          |                              | 22.5                   | 0.5         |  |
| 100               | PI/2 BPSK  | 270     | 0         |                             | 20.95                          |                              |                        |             |  |
| 100               | QPSK       | 1       | 1         |                             | 21.84                          |                              |                        |             |  |
| 100               | QPSK       | 1       | 137       |                             | 21.79                          |                              | 22.5                   | 0.5         |  |
| 100               | QPSK       | 1       | 271       |                             | 21.48                          |                              |                        |             |  |
| 100               | QPSK       | 135     | 0         |                             | 20.70                          |                              | 21.5                   | 1.5         |  |
| 100               | QPSK       | 135     | 69        |                             | 21.61                          |                              | 22.5                   | 0.5         |  |
| 100               | QPSK       | 135     | 138       |                             | 20.57                          |                              | 21.5                   | 1.5         |  |
| 100               | QPSK       | 270     | 0         |                             | 20.76                          |                              |                        |             |  |
| 100               | 16QAM      | 1       | 1         |                             | 21.05                          |                              | 22.0                   | 1.0         |  |
| 100               | 64QAM      | 1       | 1         |                             | 19.56                          |                              | 20.5                   | 2.5         |  |
| 100               | 256QAM     | 1       | 1         |                             | 18.01                          |                              | 19.0                   | 4.0         |  |
| Channel           |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |  |
| 90                | PI/2 BPSK  | 1       | 1         |                             | 22.02                          | 21.91                        | 21.88                  | 23.0        |  |
| Channel           |            |         |           | 630968                      | 633334                         | 634000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 3499.02                     | 3500.01                        | 3501.01                      | (dBm)                  | (dB)        |  |
| 80                | PI/2 BPSK  | 1       | 1         |                             | 21.86                          | 21.97                        | 21.89                  | 23.0        |  |
| Channel           |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      | (dBm)                  | (dB)        |  |
| 70                | PI/2 BPSK  | 1       | 1         |                             | 21.67                          | 21.69                        | 21.52                  | 23.0        |  |
| Channel           |            |         |           | 632000                      | 633334                         | 634968                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 3480                        | 3500.01                        | 3520.02                      | (dBm)                  | (dB)        |  |
| 60                | PI/2 BPSK  | 1       | 1         |                             | 21.88                          | 21.87                        | 21.97                  | 23.0        |  |
| Channel           |            |         |           | 631663                      | 633334                         | 635000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 3475.02                     | 3500.01                        | 3525                         | (dBm)                  | (dB)        |  |
| 50                | PI/2 BPSK  | 1       | 1         |                             | 21.98                          | 21.94                        | 21.94                  | 23.0        |  |
| Channel           |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | (dBm)                  | (dB)        |  |
| 40                | PI/2 BPSK  | 1       | 1         |                             | 21.90                          | 22.00                        | 21.92                  | 23.0        |  |
| Channel           |            |         |           | 631000                      | 633334                         | 636668                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 3465                        | 3500.01                        | 3535.02                      | (dBm)                  | (dB)        |  |
| 30                | PI/2 BPSK  | 1       | 1         |                             | 21.96                          | 21.98                        | 21.88                  | 23.0        |  |
| Channel           |            |         |           | 630668                      | 633334                         | 635000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 3460.02                     | 3500.01                        | 3540                         | (dBm)                  | (dB)        |  |
| 20                | PI/2 BPSK  | 1       | 1         |                             | 22.01                          | 21.90                        | 21.88                  | 23.0        |  |

| Part27Q n78 HPUE Ant 6 |            |         |           |                             |                                |                              |                        |             |  |
|------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| 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                |            |         |           | 3500.01                     |                                |                              |                        |             |  |
| Frequency (MHz)        |            |         |           | 24.78                       |                                |                              |                        |             |  |
| 100                    | PI/2 BPSK  | 1       | 1         |                             | 24.67                          |                              | 26.0                   | 0.0         |  |
| 100                    | PI/2 BPSK  | 1       | 137       |                             | 24.56                          |                              |                        |             |  |
| 100                    | PI/2 BPSK  | 1       | 271       |                             | 24.23                          |                              | 25.5                   | 0.5         |  |
| 100                    | PI/2 BPSK  | 135     | 0         |                             | 24.69                          |                              | 26.0                   | 0.9         |  |
| 100                    | PI/2 BPSK  | 135     | 138       |                             | 24.05                          |                              | 25.5                   | 0.5         |  |
| 100                    | PI/2 BPSK  | 270     | 0         |                             | 24.15                          |                              |                        |             |  |
| 100                    | QPSK       | 1       | 1         |                             | 23.93                          |                              |                        |             |  |
| 100                    | QPSK       | 1       | 137       |                             | 23.98                          |                              | 25.0                   | 1.0         |  |
| 100                    | QPSK       | 1       | 271       |                             | 23.45                          |                              |                        |             |  |
| 100                    | QPSK       | 135     | 0         |                             | 23.30                          |                              | 24.0                   | 2.0         |  |
| 100                    | QPSK       | 135     | 69        |                             | 23.69                          |                              | 25.0                   | 1.0         |  |
| 100                    | QPSK       | 135     | 138       |                             | 23.19                          |                              | 24.0                   | 2.0         |  |
| 100                    | QPSK       | 270     | 0         |                             | 23.23                          |                              |                        |             |  |
| 100                    | 16QAM      | 1       | 1         |                             | 22.78                          |                              | 24.0                   | 2.0         |  |
| 100                    | 64QAM      | 1       | 1         |                             | 21.71                          |                              | 23.0                   | 3.0         |  |
| 100                    | 256QAM     | 1       | 1         |                             | 19.79                          |                              | 21.0                   | 5.0         |  |
| Channel                |            |         |           | 633000                      | 633334                         | 633668                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)        |            |         |           | 3495                        | 3500.01                        | 3505.02                      | (dBm)                  | (dB)        |  |
| 90                     | PI/2 BPSK  | 1       | 1         |                             | 24.01                          | 24.52                        | 24.62                  | 26.0        |  |
| Channel                |            |         |           | 630968                      | 633334                         | 634000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)        |            |         |           | 3499.02                     | 3500.01                        | 3501.01                      | (dBm)                  | (dB)        |  |
| 80                     | PI/2 BPSK  | 1       | 1         |                             | 24.07                          | 24.62                        | 24.71                  | 26.0        |  |
| Channel                |            |         |           | 632334                      | 633334                         | 634334                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)        |            |         |           | 3485.01                     | 3500.01                        | 3515.01                      | (dBm)                  | (dB)        |  |
| 70                     | PI/2 BPSK  | 1       | 1         |                             | 24.07                          | 24.50                        | 24.57                  | 26.0        |  |
| Channel                |            |         |           | 632000                      | 633334                         | 634968                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)        |            |         |           | 3480                        | 3500.01                        | 3520.02                      | (dBm)                  | (dB)        |  |
| 60                     | PI/2 BPSK  | 1       | 1         |                             | 24.04                          | 24.50                        | 24.63                  | 26.0        |  |
| Channel                |            |         |           | 631663                      | 633334                         | 635000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)        |            |         |           | 3475.02                     | 3500.01                        | 3525                         | (dBm)                  | (dB)        |  |
| 50                     | PI/2 BPSK  | 1       | 1         |                             | 24.03                          | 24.54                        | 24.60                  | 26.0        |  |
| Channel                |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)        |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | (dBm)                  | (dB)        |  |
| 40                     | PI/2 BPSK  | 1       | 1         |                             | 24.01                          | 24.54                        | 24.69                  | 26.0        |  |
| Channel                |            |         |           | 631000                      | 633334                         | 636668                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)        |            |         |           | 3465                        | 3500.01                        | 3535.02                      | (dBm)                  | (dB)        |  |
| 30                     | PI/2 BPSK  | 1       | 1         |                             | 24.71                          | 24.49                        | 24.61                  | 26.0        |  |
| Channel                |            |         |           | 630668                      | 633334                         | 635000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)        |            |         |           | 3460.02                     | 3500.01                        | 3540                         | (dBm)                  | (dB)        |  |
| 20                     | PI/2 BPSK  | 1       | 1         |                             | 24.04                          | 24.59                        | 24.52                  | 26.0        |  |

| n7 Ant 7        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 21.21                 | 21.35                    | 21.27                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 53        | 21.13                 | 21.29                    | 21.15                  |                     |          |
| 20              | PI2 BPSK   | 1       | 104       | 21.14                 | 21.25                    | 21.18                  | 22.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 0         | 20.82                 | 20.71                    | 20.81                  |                     |          |
| 20              | PI2 BPSK   | 50      | 28        | 21.19                 | 21.25                    | 21.25                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 20.51                 | 20.63                    | 20.56                  | 22.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 20.52                 | 20.67                    | 20.58                  |                     |          |
| 20              | QPSK       | 1       | 1         | 21.33                 | 21.41                    | 21.33                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 21.23                 | 21.33                    | 21.27                  |                     |          |
| 20              | QPSK       | 1       | 104       | 21.25                 | 21.30                    | 21.19                  | 22.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 20.13                 | 20.22                    | 20.15                  |                     |          |
| 20              | QPSK       | 50      | 28        | 21.22                 | 21.34                    | 21.29                  | 23.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 20.02                 | 20.03                    | 20.01                  | 22.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 20.03                 | 20.05                    | 20.04                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 20.22                 | 20.32                    | 20.21                  | 22.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 18.82                 | 18.88                    | 18.82                  | 20.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 16.58                 | 16.71                    | 16.54                  | 18.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 21.25                 | 21.32                    | 21.28                  | 23.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 21.19                 | 21.27                    | 21.26                  | 23.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 21.20                 | 21.33                    | 21.25                  | 23.0                | 0.0      |



| n38 Ant 7       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                   | 518000                      | 519996                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2580.02                  | 2595                        | 2599.98                   |                        |             |  |
| 40              | PQ2 BPSK   | 1       | 1         | 19.91                    | 20.01                       | 19.82                     |                        |             |  |
| 40              | PQ2 BPSK   | 1       | 53        | 19.90                    | 19.97                       | 19.91                     | 21.0                   | 0.0         |  |
| 40              | PQ2 BPSK   | 1       | 104       | 19.92                    | 20.06                       | 19.90                     |                        |             |  |
| 40              | PQ2 BPSK   | 50      | 0         | 19.48                    | 19.45                       | 19.45                     | 20.5                   | 0.5         |  |
| 40              | PQ2 BPSK   | 50      | 28        | 19.87                    | 19.98                       | 19.94                     | 21.0                   | 0.0         |  |
| 40              | PQ2 BPSK   | 50      | 58        | 19.81                    | 19.59                       | 19.44                     | 20.5                   | 0.5         |  |
| 40              | PQ2 BPSK   | 100     | 0         | 19.80                    | 19.59                       | 19.46                     |                        |             |  |
| 40              | QPSK       | 1       | 1         | 20.03                    | 20.11                       | 20.00                     | 21.0                   | 0.0         |  |
| 40              | QPSK       | 1       | 53        | 19.88                    | 19.92                       | 19.88                     |                        |             |  |
| 40              | QPSK       | 1       | 104       | 19.91                    | 19.99                       | 19.91                     |                        |             |  |
| 40              | QPSK       | 50      | 0         | 18.99                    | 18.99                       | 18.98                     | 20.0                   | 1.0         |  |
| 40              | QPSK       | 50      | 28        | 20.00                    | 20.02                       | 19.99                     | 21.0                   | 0.0         |  |
| 40              | QPSK       | 50      | 58        | 18.93                    | 18.92                       | 18.95                     | 20.0                   | 1.0         |  |
| 40              | QPSK       | 100     | 0         | 18.97                    | 18.95                       | 18.97                     |                        |             |  |
| 40              | 16QAM      | 1       | 1         | 18.95                    | 18.97                       | 18.92                     | 20.0                   | 1.0         |  |
| 40              | 64QAM      | 1       | 1         | 17.52                    | 17.54                       | 17.45                     | 18.5                   | 2.5         |  |
| 40              | 256QAM     | 1       | 1         | 15.58                    | 15.57                       | 15.51                     | 16.5                   | 4.5         |  |
| Channel         |            |         |           | 517002                   | 518000                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2585.01                  | 2595                        | 2604.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 19.95                    | 19.97                       | 19.97                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 516000                   | 516000                      | 522000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 19.95                    | 20.00                       | 19.88                     | 21.0                   | 0.0         |  |

| n41 Ant 7       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 1         | 20.02                    | 20.09                       | 19.93                     |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 137       | 19.97                    | 20.02                       | 20.03                     | 21.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 1       | 271       | 20.04                    | 20.11                       | 20.03                     |                        |             |  |
| 100             | PQ2 BPSK   | 135     | 0         | 19.58                    | 19.82                       | 19.58                     | 20.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 135     | 69        | 20.00                    | 20.06                       | 20.05                     | 21.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 135     | 138       | 19.65                    | 19.84                       | 19.58                     | 20.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 270     | 0         | 19.68                    | 19.82                       | 19.54                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 20.10                    | 20.15                       | 20.08                     | 21.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 137       | 20.00                    | 20.04                       | 19.94                     |                        |             |  |
| 100             | QPSK       | 1       | 271       | 19.99                    | 20.10                       | 20.05                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 19.06                    | 19.07                       | 19.06                     | 20.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 20.08                    | 20.10                       | 20.05                     | 21.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 19.05                    | 19.10                       | 19.02                     | 20.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 19.08                    | 19.13                       | 19.06                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 19.08                    | 19.09                       | 19.04                     | 20.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 17.61                    | 17.60                       | 17.58                     | 18.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 15.64                    | 15.69                       | 15.58                     | 16.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 19.99                    | 20.02                       | 19.94                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2538.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 19.95                    | 20.03                       | 19.95                     | 21.0                   | 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         | 19.95                    | 19.99                       | 20.00                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2528                     | 2592.99                     | 2659.98                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 19.95                    | 20.05                       | 19.95                     | 21.0                   | 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         | 19.97                    | 20.02                       | 19.92                     | 21.0                   | 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         | 20.00                    | 20.00                       | 19.94                     | 21.0                   | 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         | 19.99                    | 20.08                       | 19.80                     | 21.0                   | 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         | 20.02                    | 20.01                       | 19.94                     | 21.0                   | 0.0         |  |

| n41 HPUE Ant 7  |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 1         | 21.83                    | 21.90                       | 21.80                     |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 137       | 21.82                    | 21.86                       | 21.78                     | 23.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 1       | 271       | 21.82                    | 21.83                       | 21.87                     |                        |             |  |
| 100             | PQ2 BPSK   | 135     | 0         | 21.47                    | 21.47                       | 21.50                     | 22.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 135     | 69        | 21.87                    | 21.85                       | 21.89                     | 23.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 135     | 138       | 21.41                    | 21.47                       | 21.45                     | 22.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 270     | 0         | 21.38                    | 21.51                       | 21.41                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 21.92                    | 21.96                       | 21.96                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 137       | 21.84                    | 21.86                       | 21.79                     |                        |             |  |
| 100             | QPSK       | 1       | 271       | 21.81                    | 21.90                       | 21.82                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 20.90                    | 20.99                       | 20.98                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 21.81                    | 21.88                       | 21.85                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 20.91                    | 20.90                       | 20.93                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 20.95                    | 20.97                       | 20.96                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 20.86                    | 20.96                       | 20.91                     | 22.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 18.64                    | 18.58                       | 19.50                     | 20.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 17.44                    | 17.46                       | 17.43                     | 18.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 21.85                    | 21.91                       | 21.88                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2538.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 21.77                    | 21.89                       | 21.85                     | 23.0                   | 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         | 21.82                    | 21.87                       | 21.81                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2528                     | 2592.99                     | 2659.98                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 21.84                    | 21.86                       | 21.84                     | 23.0                   | 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         | 21.89                    | 21.86                       | 21.87                     | 23.0                   | 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         | 21.81                    | 21.87                       | 21.81                     | 23.0                   | 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         | 21.77                    | 21.83                       | 21.81                     | 23.0                   | 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         | 21.80                    | 21.87                       | 21.87                     | 23.0                   | 0.0         |  |



| n48 Part96 Ant 8 |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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          |            |         |           | 636000                | 641666                   | 646332                 |                     |          |  |
| Frequency (MHz)  |            |         |           | 3520                  | 3624.99                  | 3679.98                |                     |          |  |
| 40               | Pl2 BPSK   | 1       | 1         | 22.02                 | 22.09                    | 22.00                  |                     |          |  |
| 40               | Pl2 BPSK   | 1       | 53        | 21.80                 | 21.89                    | 21.93                  | 23.5                | 0.0      |  |
| 40               | Pl2 BPSK   | 1       | 104       | 21.77                 | 21.95                    | 21.94                  |                     |          |  |
| 40               | Pl2 BPSK   | 50      | 0         | 21.77                 | 21.87                    | 21.87                  | 23.5                | 0.0      |  |
| 40               | Pl2 BPSK   | 50      | 28        | 21.72                 | 21.90                    | 21.89                  | 23.5                | 0.0      |  |
| 40               | Pl2 BPSK   | 50      | 56        | 21.82                 | 21.92                    | 21.87                  | 23.5                | 0.0      |  |
| 40               | Pl2 BPSK   | 100     | 0         | 21.73                 | 21.92                    | 21.90                  |                     |          |  |
| 40               | QPSK       | 1       | 1         | 21.80                 | 21.76                    | 21.87                  |                     |          |  |
| 40               | QPSK       | 1       | 53        | 21.87                 | 21.92                    | 21.94                  | 23.5                | 0.0      |  |
| 40               | QPSK       | 1       | 104       | 21.17                 | 21.16                    | 20.98                  |                     |          |  |
| 40               | QPSK       | 50      | 0         | 21.36                 | 21.66                    | 21.53                  | 22.5                | 1.0      |  |
| 40               | QPSK       | 50      | 28        | 20.47                 | 20.60                    | 20.60                  | 23.5                | 0.0      |  |
| 40               | QPSK       | 50      | 56        | 20.94                 | 20.80                    | 20.77                  | 22.5                | 1.0      |  |
| 40               | QPSK       | 100     | 0         | 20.90                 | 21.00                    | 20.47                  | 22.5                | 1.0      |  |
| 40               | 16QAM      | 1       | 1         | 20.15                 | 20.32                    | 20.32                  | 22.5                | 1.0      |  |
| 40               | 64QAM      | 1       | 1         | 18.64                 | 18.91                    | 18.86                  | 21.0                | 2.5      |  |
| 40               | 256QAM     | 1       | 1         | 17.34                 | 17.32                    | 17.30                  | 19.5                | 4.0      |  |
| Channel          |            |         |           | 637034                | 641666                   | 646000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |          |  |
| 20               | Pl2 BPSK   | 1       | 1         | 21.80                 | 21.82                    | 21.79                  | 23.5                | 0.0      |  |

| Part270 n77 Ant 8 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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               | Pl2 BPSK   | 1       | 1         | 20.21                 | 20.23                    | 20.07                  |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 137       | 19.80                 | 19.81                    | 19.49                  | 21.5                | 0.0      |  |
| 100               | Pl2 BPSK   | 1       | 271       | 19.92                 | 19.84                    | 19.74                  |                     |          |  |
| 100               | Pl2 BPSK   | 135     | 0         | 18.77                 | 19.04                    | 18.82                  | 21.0                | 0.5      |  |
| 100               | Pl2 BPSK   | 135     | 69        | 19.74                 | 19.93                    | 19.96                  | 21.5                | 0.0      |  |
| 100               | Pl2 BPSK   | 135     | 138       | 18.79                 | 18.98                    | 18.80                  | 21.0                | 0.5      |  |
| 100               | Pl2 BPSK   | 270     | 0         | 18.64                 | 19.01                    | 18.92                  |                     |          |  |
| 100               | QPSK       | 1       | 1         | 20.02                 | 20.04                    | 19.87                  |                     |          |  |
| 100               | QPSK       | 1       | 137       | 19.83                 | 19.72                    | 19.49                  | 21.5                | 0.0      |  |
| 100               | QPSK       | 1       | 271       | 19.76                 | 19.71                    | 19.64                  |                     |          |  |
| 100               | QPSK       | 135     | 0         | 18.61                 | 18.88                    | 18.77                  | 20.5                | 1.0      |  |
| 100               | QPSK       | 135     | 69        | 19.68                 | 19.92                    | 19.84                  | 21.5                | 0.0      |  |
| 100               | QPSK       | 135     | 138       | 18.56                 | 18.95                    | 18.83                  | 20.5                | 1.0      |  |
| 100               | QPSK       | 270     | 0         | 18.46                 | 18.96                    | 18.70                  | 20.5                | 1.0      |  |
| 100               | 16QAM      | 1       | 1         | 18.81                 | 18.91                    | 18.86                  | 20.5                | 1.0      |  |
| 100               | 64QAM      | 1       | 1         | 18.20                 | 18.47                    | 18.32                  | 19.0                | 2.5      |  |
| 100               | 256QAM     | 1       | 1         | 16.79                 | 16.92                    | 16.99                  | 17.0                | 4.5      |  |
| Channel           |            |         |           | 643334                | 650000                   | 656000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                | Pl2 BPSK   | 1       | 1         | 20.18                 | 20.10                    | 19.88                  | 21.5                | 0.0      |  |
| Channel           |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3730.02               | 3840                     | 3940.01                |                     |          |  |
| 60                | Pl2 BPSK   | 1       | 1         | 20.19                 | 20.17                    | 20.01                  | 21.5                | 0.0      |  |
| Channel           |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                | Pl2 BPSK   | 1       | 1         | 20.21                 | 20.18                    | 20.09                  | 21.5                | 0.0      |  |
| Channel           |            |         |           | 647168                | 656000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                | Pl2 BPSK   | 1       | 1         | 20.15                 | 20.14                    | 19.97                  | 21.5                | 0.0      |  |
| Channel           |            |         |           | 641254                | 650000                   | 656000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                | Pl2 BPSK   | 1       | 1         | 20.11                 | 20.14                    | 19.78                  | 21.5                | 0.0      |  |

| Part270 n77 HPUE Ant 8 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                    | Pl2 BPSK   | 1       | 1         | 22.65                 | 22.97                    | 22.84                  |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 137       | 22.49                 | 22.68                    | 22.61                  | 24.5                | 0.0      |  |
| 100                    | Pl2 BPSK   | 1       | 271       | 22.59                 | 22.60                    | 22.66                  |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         | 22.70                 | 22.66                    | 22.46                  | 24.0                | 0.5      |  |
| 100                    | Pl2 BPSK   | 135     | 69        | 22.59                 | 22.75                    | 22.51                  | 24.5                | 0.0      |  |
| 100                    | Pl2 BPSK   | 135     | 138       | 22.06                 | 22.10                    | 21.93                  | 24.0                | 0.5      |  |
| 100                    | Pl2 BPSK   | 270     | 0         | 21.97                 | 22.28                    | 22.10                  |                     |          |  |
| 100                    | QPSK       | 1       | 1         | 21.47                 | 21.80                    | 22.04                  |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 21.56                 | 21.87                    | 21.94                  | 23.5                | 1.0      |  |
| 100                    | QPSK       | 1       | 271       | 21.59                 | 21.35                    | 21.53                  |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 21.64                 | 21.63                    | 21.58                  | 23.0                | 1.5      |  |
| 100                    | QPSK       | 135     | 69        | 21.55                 | 21.65                    | 21.50                  | 23.5                | 1.0      |  |
| 100                    | QPSK       | 135     | 138       | 20.83                 | 20.91                    | 21.00                  | 23.0                | 1.5      |  |
| 100                    | QPSK       | 270     | 0         | 21.10                 | 21.26                    | 21.03                  | 23.0                | 1.5      |  |
| 100                    | 16QAM      | 1       | 1         | 21.00                 | 21.07                    | 21.13                  | 23.0                | 1.5      |  |
| 100                    | 64QAM      | 1       | 1         | 19.50                 | 19.88                    | 19.72                  | 21.5                | 3.0      |  |
| 100                    | 256QAM     | 1       | 1         | 17.73                 | 17.94                    | 17.85                  | 20.0                | 4.5      |  |
| Channel                |            |         |           | 643334                | 650000                   | 656000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                     | Pl2 BPSK   | 1       | 1         | 22.49                 | 22.77                    | 22.72                  | 24.5                | 0.0      |  |
| Channel                |            |         |           | 648668                | 656000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3730.02               | 3840                     | 3940.01                |                     |          |  |
| 60                     | Pl2 BPSK   | 1       | 1         | 22.38                 | 22.66                    | 22.66                  | 24.5                | 0.0      |  |
| Channel                |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                     | Pl2 BPSK   | 1       | 1         | 22.69                 | 22.63                    | 22.64                  | 24.5                | 0.0      |  |
| Channel                |            |         |           | 647168                | 656000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                     | Pl2 BPSK   | 1       | 1         | 22.56                 | 22.66                    | 22.59                  | 24.5                | 0.0      |  |
| Channel                |            |         |           | 641254                | 650000                   | 656000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                     | Pl2 BPSK   | 1       | 1         | 22.72                 | 22.60                    | 22.77                  | 24.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.20                 | 3500.01                  |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 137       | 21.23                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 271       | 21.25                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 20.34                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.10                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 20.42                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 270     | 0         | 20.23                 |                          |                        | 21.0                | 0.5      |
| 100             | QPSK       | 1       | 1         | 20.95                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 20.91                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 20.92                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 20.13                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 135     | 69        | 20.85                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.18                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 270     | 0         | 20.08                 |                          |                        | 21.0                | 0.5      |
| 100             | 16QAM      | 1       | 1         | 20.67                 |                          |                        | 21.0                | 0.5      |
| 100             | 64QAM      | 1       | 1         | 19.08                 |                          |                        | 19.5                | 2.0      |
| 100             | 256QAM     | 1       | 1         | 17.68                 |                          |                        | 18.0                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 20.58                 | 20.70                    | 20.41                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 20.47                 | 20.63                    | 20.66                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 20.14                 | 20.73                    | 20.78                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 20.55                 | 20.84                    | 20.76                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 20.81                 | 20.73                    | 20.81                  | 21.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 23.09                 | 3500.01                  |                        | 24.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 137       | 23.24                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 271       | 23.18                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 22.91                 |                          |                        | 24.0                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 22.95                 |                          |                        | 24.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 22.92                 |                          |                        | 24.0                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 22.55                 |                          |                        | 24.0                | 0.5      |
| 100             | QPSK       | 1       | 1         | 22.34                 |                          |                        | 23.5                | 1.0      |
| 100             | QPSK       | 1       | 137       | 22.26                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.98                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.66                 |                          |                        | 23.0                | 1.5      |
| 100             | QPSK       | 135     | 69        | 22.29                 |                          |                        | 23.5                | 1.0      |
| 100             | QPSK       | 135     | 138       | 21.28                 |                          |                        | 23.0                | 1.5      |
| 100             | QPSK       | 270     | 0         | 21.10                 |                          |                        | 23.0                | 1.5      |
| 100             | 16QAM      | 1       | 1         | 22.33                 |                          |                        | 23.0                | 1.5      |
| 100             | 64QAM      | 1       | 1         | 19.77                 |                          |                        | 21.5                | 3.0      |
| 100             | 256QAM     | 1       | 1         | 18.02                 |                          |                        | 19.5                | 5.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 23.22                 | 23.10                    | 23.03                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | Pl2 BPSK   | 1       | 1         | 23.37                 | 23.07                    | 23.21                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 23.00                 | 23.13                    | 23.09                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 23.35                 | 22.97                    | 23.08                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 23.08                 | 23.14                    | 23.31                  | 24.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 20.11                 | 3750                     |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 137       | 19.97                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 271       | 20.00                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 19.54                 |                          |                        | 21.0                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 19.84                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 18.88                 |                          |                        | 21.0                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 19.17                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 1       | 1         | 19.20                 |                          |                        | 19.5                | 2.0      |
| 100             | QPSK       | 1       | 137       | 19.15                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 19.10                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 18.67                 |                          |                        | 19.5                | 2.0      |
| 100             | QPSK       | 135     | 69        | 19.16                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 135     | 138       | 18.14                 |                          |                        | 19.5                | 2.0      |
| 100             | QPSK       | 270     | 0         | 18.24                 |                          |                        | 19.5                | 2.0      |
| 100             | 16QAM      | 1       | 1         | 18.36                 |                          |                        | 18.5                | 3.0      |
| 100             | 64QAM      | 1       | 1         | 17.85                 |                          |                        | 18.5                | 3.0      |
| 100             | 256QAM     | 1       | 1         | 16.14                 |                          |                        | 16.5                | 5.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 20.07                 | 20.00                    | 20.01                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 20.03                 | 20.02                    | 20.03                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 70              | Pl2 BPSK   | 1       | 1         | 20.11                 | 20.05                    | 20.02                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | Pl2 BPSK   | 1       | 1         | 20.05                 | 20.15                    | 20.15                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | Pl2 BPSK   | 1       | 1         | 20.02                 | 20.03                    | 20.01                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 20.11                 | 20.05                    | 20.07                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 20.02                 | 20.03                    | 20.05                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 20.05                 | 20.06                    | 20.06                  | 21.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 22.69                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 22.70                 |                          |                        | 24.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 22.34                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 22.35                 |                          |                        | 23.5                | 1.0      |
| 100             | Pl2 BPSK   | 135     | 69        | 22.76                 |                          |                        | 24.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 22.04                 |                          |                        | 23.5                | 1.0      |
| 100             | Pl2 BPSK   | 270     | 0         | 22.21                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.74                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.86                 |                          |                        | 23.5                | 1.0      |
| 100             | QPSK       | 1       | 271       | 21.22                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.12                 |                          |                        | 22.0                | 2.5      |
| 100             | QPSK       | 135     | 69        | 21.50                 |                          |                        | 23.5                | 1.0      |
| 100             | QPSK       | 135     | 138       | 20.95                 |                          |                        | 22.0                | 2.5      |
| 100             | QPSK       | 270     | 0         | 21.01                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 20.88                 |                          |                        | 22.5                | 2.0      |
| 100             | 64QAM      | 1       | 1         | 19.55                 |                          |                        | 21.0                | 3.5      |
| 100             | 256QAM     | 1       | 1         | 17.96                 |                          |                        | 19.5                | 5.0      |
| Channel         |            |         |           | 640968                | 650334                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3745.01                |                     |          |
| 90              | Pl2 BPSK   | 1       | 1         | 22.53                 | 22.47                    | 22.36                  | 24.5                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3748.01               | 3750                     | 3748.02                |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 22.37                 | 22.67                    | 22.56                  | 24.5                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70              | Pl2 BPSK   | 1       | 1         | 22.15                 | 22.53                    | 22.50                  | 24.5                | 0.0      |
| Channel         |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |
| 60              | Pl2 BPSK   | 1       | 1         | 22.60                 | 22.58                    | 22.56                  | 24.5                | 0.0      |
| Channel         |            |         |           | 643334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50              | Pl2 BPSK   | 1       | 1         | 22.43                 | 22.57                    | 22.46                  | 24.5                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 22.60                 | 22.52                    | 22.32                  | 24.5                | 0.0      |
| Channel         |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750                     | 3765.01                |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 22.41                 | 22.80                    | 22.52                  | 24.5                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3780.02                |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 22.51                 | 22.59                    | 22.47                  | 24.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 20.62                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 20.71                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 20.58                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 20.23                 |                          |                        | 21.0                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 20.87                 |                          |                        | 21.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 19.75                 |                          |                        | 21.0                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 19.70                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.97                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 19.67                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 1       | 271       | 19.73                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 19.15                 |                          |                        | 19.5                | 2.0      |
| 100             | QPSK       | 135     | 69        | 19.94                 |                          |                        | 20.5                | 1.0      |
| 100             | QPSK       | 135     | 138       | 18.93                 |                          |                        | 19.5                | 2.0      |
| 100             | QPSK       | 270     | 0         | 19.66                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.35                 |                          |                        | 20.0                | 1.5      |
| 100             | 64QAM      | 1       | 1         | 18.59                 |                          |                        | 18.5                | 3.0      |
| 100             | 256QAM     | 1       | 1         | 17.17                 |                          |                        | 17.0                | 4.5      |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |
| 90              | Pl2 BPSK   | 1       | 1         | 21.74                 | 21.02                    | 21.54                  | 21.5                | 0.0      |
| Channel         |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 21.74                 | 21.73                    | 21.81                  | 21.5                | 0.0      |
| Channel         |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |
| 70              | Pl2 BPSK   | 1       | 1         | 21.73                 | 21.71                    | 21.59                  | 21.5                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |
| 60              | Pl2 BPSK   | 1       | 1         | 21.80                 | 21.63                    | 21.48                  | 21.5                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |
| 50              | Pl2 BPSK   | 1       | 1         | 21.33                 | 21.80                    | 21.59                  | 21.5                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3520.01                |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 21.70                 | 21.02                    | 21.89                  | 21.5                | 0.0      |
| Channel         |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 21.53                 | 21.56                    | 21.49                  | 21.5                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 21.63                 | 21.53                    | 21.59                  | 21.5                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 22.21                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 22.94                 |                          |                        | 24.5                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 22.81                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 22.60                 |                          |                        | 24.0                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 23.10                 |                          |                        | 24.5                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 22.44                 |                          |                        | 24.0                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 22.41                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.96                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.96                 |                          |                        | 23.5                | 1.0      |
| 100             | QPSK       | 1       | 271       | 21.84                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.20                 |                          |                        | 23.0                | 1.5      |
| 100             | QPSK       | 135     | 69        | 21.57                 |                          |                        | 23.5                | 1.0      |
| 100             | QPSK       | 135     | 138       | 20.86                 |                          |                        | 23.0                | 1.5      |
| 100             | QPSK       | 270     | 0         | 20.86                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 21.08                 |                          |                        | 23.0                | 1.5      |
| 100             | 64QAM      | 1       | 1         | 19.80                 |                          |                        | 21.5                | 3.0      |
| 100             | 256QAM     | 1       | 1         | 17.96                 |                          |                        | 20.0                | 4.5      |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |
| 90              | Pl2 BPSK   | 1       | 1         | 22.97                 | 22.95                    | 22.88                  | 24.5                | 0.0      |
| Channel         |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | Pl2 BPSK   | 1       | 1         | 23.06                 | 23.11                    | 23.03                  | 24.5                | 0.0      |
| Channel         |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |
| 70              | Pl2 BPSK   | 1       | 1         | 23.10                 | 23.03                    | 22.94                  | 24.5                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |
| 60              | Pl2 BPSK   | 1       | 1         | 23.02                 | 22.77                    | 22.96                  | 24.5                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |
| 50              | Pl2 BPSK   | 1       | 1         | 23.02                 | 23.06                    | 22.76                  | 24.5                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3520.01                |                     |          |
| 40              | Pl2 BPSK   | 1       | 1         | 23.10                 | 22.92                    | 22.76                  | 24.5                | 0.0      |
| Channel         |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30              | Pl2 BPSK   | 1       | 1         | 23.08                 | 23.01                    | 22.81                  | 24.5                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20              | Pl2 BPSK   | 1       | 1         | 22.89                 | 22.99                    | 22.75                  | 24.5                | 0.0      |



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| 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) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 23.31                       | 23.48                          | 23.42                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 23.22                       | 23.14                          | 23.17                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 23.04                       | 23.28                          | 23.11                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 23.08                       | 23.21                          | 23.10                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 23.19                       | 23.38                          | 23.22                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 22.99                       | 23.12                          | 23.04                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 22.81                       | 22.88                          | 22.83                        | 24.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 22.45                       | 22.67                          | 22.50                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.31                       | 22.28                          | 22.24                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.38                       | 22.47                          | 22.21                        |                        |             |
| 100             | QPSK       | 135     | 0         | 21.58                       | 21.78                          | 21.74                        | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 22.24                       | 22.26                          | 22.11                        | 24.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 21.29                       | 21.35                          | 21.26                        | 23.0                   | 1.0         |
| 100             | QPSK       | 270     | 0         | 21.26                       | 21.41                          | 21.32                        | 23.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 21.85                       | 21.66                          | 21.59                        |                        |             |
| 100             | 64QAM      | 1       | 1         | 20.11                       | 20.15                          | 20.03                        |                        |             |
| 100             | 256QAM     | 1       | 1         | 18.58                       | 18.71                          | 18.72                        | 19.5                   | 4.5         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3840.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 23.30                       | 23.37                          | 23.32                        | 24.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 648688                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 60              | Pl2 BPSK   | 1       | 1         | 23.31                       | 23.42                          | 23.38                        | 24.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 40              | Pl2 BPSK   | 1       | 1         | 23.31                       | 23.37                          | 23.41                        | 24.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 647668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 30              | Pl2 BPSK   | 1       | 1         | 23.24                       | 23.40                          | 23.37                        | 24.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3870.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 23.33                       | 23.41                          | 23.26                        | 24.0                   | 0.0         |

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| 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) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 25.52                       | 25.62                          | 25.58                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 25.21                       | 25.27                          | 25.17                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 24.89                       | 25.00                          | 24.83                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 24.74                       | 24.91                          | 24.76                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 25.31                       | 25.43                          | 25.38                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 24.53                       | 24.59                          | 24.48                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 24.49                       | 24.51                          | 24.47                        | 25.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 24.58                       | 24.69                          | 24.52                        |                        |             |
| 100             | QPSK       | 1       | 137       | 24.17                       | 24.22                          | 24.13                        |                        |             |
| 100             | QPSK       | 1       | 271       | 24.10                       | 24.27                          | 24.06                        |                        |             |
| 100             | QPSK       | 135     | 0         | 23.56                       | 23.57                          | 23.38                        | 24.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 24.05                       | 24.13                          | 24.08                        | 25.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 23.08                       | 23.15                          | 23.11                        | 24.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 23.06                       | 23.21                          | 23.10                        | 24.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 23.05                       | 23.09                          | 23.02                        | 24.0                   | 2.0         |
| 100             | 64QAM      | 1       | 1         | 21.51                       | 21.65                          | 21.58                        | 22.5                   | 3.5         |
| 100             | 256QAM     | 1       | 1         | 19.54                       | 19.71                          | 19.54                        | 21.0                   | 5.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3840.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 25.40                       | 25.59                          | 25.58                        | 26.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 648688                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 60              | Pl2 BPSK   | 1       | 1         | 25.43                       | 25.55                          | 25.57                        | 26.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 40              | Pl2 BPSK   | 1       | 1         | 25.37                       | 25.48                          | 25.39                        | 25.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 647668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 30              | Pl2 BPSK   | 1       | 1         | 25.41                       | 25.45                          | 25.49                        | 26.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3870.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 25.45                       | 25.53                          | 25.52                        | 26.0                   | 0.0         |

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| 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) |            |         |           |                             | 3500.01                        |                              |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         |                             | 23.77                          |                              | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       |                             | 23.37                          |                              |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       |                             | 23.37                          |                              |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         |                             | 23.39                          |                              | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        |                             | 23.63                          |                              | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       |                             | 23.34                          |                              | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         |                             | 23.18                          |                              | 23.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         |                             | 22.85                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 22.46                          |                              |                        |             |
| 100             | QPSK       | 1       | 271       |                             | 22.56                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 22.59                          |                              | 22.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        |                             | 22.59                          |                              | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       |                             | 21.52                          |                              | 22.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         |                             | 21.59                          |                              | 22.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         |                             | 21.74                          |                              | 20.5                   | 3.5         |
| 100             | 64QAM      | 1       | 1         |                             | 20.19                          |                              | 19.0                   | 5.0         |
| 100             | 256QAM     | 1       | 1         |                             | 18.63                          |                              |                        |             |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 632668                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 80              | Pl2 BPSK   | 1       | 1         | 23.62                       | 23.60                          | 23.51                        | 24.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 60              | Pl2 BPSK   | 1       | 1         | 23.49                       | 23.67                          | 23.65                        | 24.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 40              | Pl2 BPSK   | 1       | 1         | 23.63                       | 23.68                          | 23.62                        | 24.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 631000                      | 633334                         | 635968                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 30              | Pl2 BPSK   | 1       | 1         | 23.66                       | 23.72                          | 23.52                        | 24.0                   | 0.0         |
| Channel         |            |         |           |                             |                                |                              |                        |             |
| Frequency (MHz) |            |         |           | 3500.02                     | 3500.01                        | 3540                         |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 23.74                       | 23.67                          | 23.59                        | 24.0                   | 0.0         |



| Part27Q n77 HPUE Ant 9 |            |         |           |                       |                          |                        |                     |          |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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               |                          |                        |                     |          |
| Frequency (MHz)        |            |         |           | 24.83                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 1       | 1         | 24.82                 |                          |                        | 26.0                | 0.0      |
| 100                    | PI2 BPSK   | 1       | 137       | 24.82                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 1       | 271       | 24.58                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 135     | 0         | 24.21                 |                          |                        | 25.5                | 0.5      |
| 100                    | PI2 BPSK   | 135     | 69        | 24.80                 |                          |                        | 26.0                | 0.0      |
| 100                    | PI2 BPSK   | 135     | 138       | 24.36                 |                          |                        | 25.5                | 0.5      |
| 100                    | PI2 BPSK   | 270     | 0         | 24.32                 |                          |                        |                     |          |
| 100                    | QPSK       | 1       | 1         | 23.97                 |                          |                        |                     |          |
| 100                    | QPSK       | 1       | 137       | 23.91                 |                          |                        | 25.0                | 1.0      |
| 100                    | QPSK       | 1       | 271       | 23.82                 |                          |                        |                     |          |
| 100                    | QPSK       | 135     | 0         | 23.41                 |                          |                        | 24.0                | 2.0      |
| 100                    | QPSK       | 135     | 69        | 23.84                 |                          |                        | 25.0                | 1.0      |
| 100                    | QPSK       | 135     | 138       | 23.11                 |                          |                        | 24.0                | 2.0      |
| 100                    | QPSK       | 270     | 0         | 23.20                 |                          |                        |                     |          |
| 100                    | 16QAM      | 1       | 1         | 23.07                 |                          |                        | 24.0                | 2.0      |
| 100                    | 64QAM      | 1       | 1         | 21.07                 |                          |                        | 22.0                | 4.0      |
| 100                    | 256QAM     | 1       | 1         | 20.02                 |                          |                        | 21.0                | 5.0      |
| Channel                |            |         |           | 6320.00               | 6333.34                  | 6340.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3510                   |                     |          |
| 80                     | PI2 BPSK   | 1       | 1         | 24.79                 | 24.77                    | 24.74                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6320.00               | 6333.34                  | 6340.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3460                  | 3500.01                  | 3520.02                |                     |          |
| 60                     | PI2 BPSK   | 1       | 1         | 24.76                 | 24.81                    | 24.76                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6313.34               | 6333.34                  | 6353.34                |                     |          |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40                     | PI2 BPSK   | 1       | 1         | 24.80                 | 24.80                    | 24.79                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6310.00               | 6333.34                  | 6356.68                |                     |          |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30                     | PI2 BPSK   | 1       | 1         | 24.82                 | 24.79                    | 24.71                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6305.00               | 6333.34                  | 6350.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20                     | PI2 BPSK   | 1       | 1         | 24.72                 | 24.71                    | 24.81                  | 26.0                | 0.0      |

| Part27O n78 Ant 9 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                  |                          |                        |                     |          |
| Frequency (MHz)   |            |         |           | 23.20                 |                          |                        |                     |          |
| 100               | PI2 BPSK   | 1       | 1         | 23.12                 |                          |                        | 24.0                | 0.0      |
| 100               | PI2 BPSK   | 1       | 271       | 23.08                 |                          |                        |                     |          |
| 100               | PI2 BPSK   | 135     | 0         | 22.81                 |                          |                        | 23.5                | 0.5      |
| 100               | PI2 BPSK   | 135     | 69        | 23.17                 |                          |                        | 24.0                | 0.0      |
| 100               | PI2 BPSK   | 135     | 138       | 22.76                 |                          |                        | 23.5                | 0.5      |
| 100               | PI2 BPSK   | 270     | 0         | 22.63                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 1         | 22.15                 |                          |                        |                     |          |
| 100               | QPSK       | 1       | 137       | 21.99                 |                          |                        | 23.0                | 1.0      |
| 100               | QPSK       | 1       | 271       | 22.05                 |                          |                        |                     |          |
| 100               | QPSK       | 135     | 0         | 21.56                 |                          |                        | 22.0                | 2.0      |
| 100               | QPSK       | 135     | 69        | 22.11                 |                          |                        | 23.0                | 1.0      |
| 100               | QPSK       | 135     | 138       | 21.09                 |                          |                        | 22.0                | 2.0      |
| 100               | QPSK       | 270     | 0         | 21.17                 |                          |                        |                     |          |
| 100               | 16QAM      | 1       | 1         | 21.30                 |                          |                        | 22.0                | 2.0      |
| 100               | 64QAM      | 1       | 1         | 19.79                 |                          |                        | 20.5                | 3.5      |
| 100               | 256QAM     | 1       | 1         | 18.22                 |                          |                        | 19.0                | 5.0      |
| Channel           |            |         |           | 6496.00               | 6500.00                  | 6503.34                |                     |          |
| Frequency (MHz)   |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 90                | PI2 BPSK   | 1       | 1         | 23.09                 | 23.03                    | 22.94                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6493.34               | 6500.00                  | 6506.68                |                     |          |
| Frequency (MHz)   |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |
| 80                | PI2 BPSK   | 1       | 1         | 23.09                 | 23.03                    | 22.96                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6490.00               | 6500.00                  | 6510.00                |                     |          |
| Frequency (MHz)   |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70                | PI2 BPSK   | 1       | 1         | 22.95                 | 23.13                    | 22.91                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6486.68               | 6500.00                  | 6513.34                |                     |          |
| Frequency (MHz)   |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |
| 60                | PI2 BPSK   | 1       | 1         | 23.07                 | 23.01                    | 23.00                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6483.34               | 6500.00                  | 6510.00                |                     |          |
| Frequency (MHz)   |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50                | PI2 BPSK   | 1       | 1         | 22.97                 | 23.12                    | 22.96                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6480.00               | 6500.00                  | 6520.00                |                     |          |
| Frequency (MHz)   |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40                | PI2 BPSK   | 1       | 1         | 23.11                 | 23.02                    | 22.92                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6476.68               | 6500.00                  | 6523.34                |                     |          |
| Frequency (MHz)   |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |
| 30                | PI2 BPSK   | 1       | 1         | 23.09                 | 23.04                    | 22.89                  | 24.0                | 0.0      |
| Channel           |            |         |           | 6473.34               | 6500.00                  | 6526.68                |                     |          |
| Frequency (MHz)   |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |
| 20                | PI2 BPSK   | 1       | 1         | 22.95                 | 23.15                    | 22.86                  | 24.0                | 0.0      |

| Part27O n78 HPUE Ant 9 |            |         |           |                       |                          |                        |                     |          |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                  |                          |                        |                     |          |
| Frequency (MHz)        |            |         |           | 23.07                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 1       | 1         | 23.07                 |                          |                        | 26.0                | 0.0      |
| 100                    | PI2 BPSK   | 1       | 137       | 24.96                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 1       | 271       | 24.77                 |                          |                        |                     |          |
| 100                    | PI2 BPSK   | 135     | 0         | 24.35                 |                          |                        | 25.5                | 0.5      |
| 100                    | PI2 BPSK   | 135     | 69        | 24.66                 |                          |                        | 26.0                | 0.0      |
| 100                    | PI2 BPSK   | 135     | 138       | 24.59                 |                          |                        | 25.5                | 0.5      |
| 100                    | PI2 BPSK   | 270     | 0         | 24.40                 |                          |                        |                     |          |
| 100                    | QPSK       | 1       | 1         | 24.15                 |                          |                        |                     |          |
| 100                    | QPSK       | 1       | 137       | 24.06                 |                          |                        | 25.0                | 1.0      |
| 100                    | QPSK       | 1       | 271       | 24.08                 |                          |                        |                     |          |
| 100                    | QPSK       | 135     | 0         | 23.60                 |                          |                        | 24.5                | 1.5      |
| 100                    | QPSK       | 135     | 69        | 24.06                 |                          |                        | 25.0                | 1.0      |
| 100                    | QPSK       | 135     | 138       | 23.21                 |                          |                        | 24.5                | 1.5      |
| 100                    | QPSK       | 270     | 0         | 23.31                 |                          |                        |                     |          |
| 100                    | 16QAM      | 1       | 1         | 23.21                 |                          |                        | 24.5                | 1.5      |
| 100                    | 64QAM      | 1       | 1         | 21.73                 |                          |                        | 23.0                | 3.0      |
| 100                    | 256QAM     | 1       | 1         | 20.13                 |                          |                        | 21.5                | 4.5      |
| Channel                |            |         |           | 6496.68               | 6500.00                  | 6503.34                |                     |          |
| Frequency (MHz)        |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 90                     | PI2 BPSK   | 1       | 1         | 24.88                 | 24.99                    | 25.00                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6493.34               | 6500.00                  | 6506.68                |                     |          |
| Frequency (MHz)        |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |
| 80                     | PI2 BPSK   | 1       | 1         | 24.91                 | 24.95                    | 24.98                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6490.00               | 6500.00                  | 6510.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70                     | PI2 BPSK   | 1       | 1         | 25.04                 | 24.98                    | 25.03                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6486.68               | 6500.00                  | 6513.34                |                     |          |
| Frequency (MHz)        |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |
| 60                     | PI2 BPSK   | 1       | 1         | 24.85                 | 25.05                    | 24.85                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6483.34               | 6500.00                  | 6510.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50                     | PI2 BPSK   | 1       | 1         | 25.00                 | 25.00                    | 24.91                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6480.00               | 6500.00                  | 6520.00                |                     |          |
| Frequency (MHz)        |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40                     | PI2 BPSK   | 1       | 1         | 24.83                 | 24.81                    | 24.98                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6476.68               | 6500.00                  | 6523.34                |                     |          |
| Frequency (MHz)        |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |
| 30                     | PI2 BPSK   | 1       | 1         | 24.99                 | 24.89                    | 25.02                  | 26.0                | 0.0      |
| Channel                |            |         |           | 6473.34               | 6500.00                  | 6526.68                |                     |          |
| Frequency (MHz)        |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |
| 20                     | PI2 BPSK   | 1       | 1         | 24.97                 | 25.02                    | 24.84                  | 26.0                | 0.0      |



| Part27Q n78 Ant 9 |            |         |           |                       |                       |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------------|----------|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Max Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel           |            |         |           | 3500.01               |                       |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 23.53                 |                       |                        |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 1         |                       | 23.53                 |                        | 24.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 1       | 137       |                       | 23.43                 |                        |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 271       |                       | 23.33                 |                        |                     |          |  |
| 100               | Pl2 BPSK   | 135     | 0         |                       | 23.17                 |                        | 23.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 135     | 69        |                       | 23.39                 |                        | 24.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 135     | 138       |                       | 23.00                 |                        | 23.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 270     | 0         |                       | 22.88                 |                        |                     |          |  |
| 100               | QPSK       | 1       | 1         |                       | 22.42                 |                        | 23.0                | 1.0      |  |
| 100               | QPSK       | 1       | 137       |                       | 22.25                 |                        |                     |          |  |
| 100               | QPSK       | 1       | 271       |                       | 22.22                 |                        |                     |          |  |
| 100               | QPSK       | 135     | 0         |                       | 21.76                 |                        | 22.0                | 2.0      |  |
| 100               | QPSK       | 135     | 69        |                       | 22.39                 |                        | 23.0                | 1.0      |  |
| 100               | QPSK       | 135     | 138       |                       | 21.37                 |                        | 22.0                | 2.0      |  |
| 100               | QPSK       | 270     | 0         |                       | 21.58                 |                        | 22.0                | 2.0      |  |
| 100               | 16QAM      | 1       | 1         |                       | 21.59                 |                        | 20.5                | 3.5      |  |
| 100               | 64QAM      | 1       | 1         |                       | 20.01                 |                        | 19.0                | 5.0      |  |
| 100               | 256QAM     | 1       | 1         |                       | 18.58                 |                        |                     |          |  |
| Channel           |            |         |           | 633000                | 633334                | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01               | 3505.02                | 24.0                | 0.0      |  |
| 90                | Pl2 BPSK   | 1       | 1         |                       | 23.38                 | 23.37                  | 23.22               | 24.0     |  |
| Channel           |            |         |           | 630968                | 633334                | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3499.02               | 3500.01               | 3501.01                | 24.0                | 0.0      |  |
| 80                | Pl2 BPSK   | 1       | 1         |                       | 23.26                 | 23.50                  | 23.31               | 24.0     |  |
| Channel           |            |         |           | 632334                | 633334                | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01               | 3515.01                | 24.0                | 0.0      |  |
| 70                | Pl2 BPSK   | 1       | 1         |                       | 23.24                 | 23.33                  | 23.39               | 24.0     |  |
| Channel           |            |         |           | 632000                | 633334                | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01               | 3520.02                | 24.0                | 0.0      |  |
| 60                | Pl2 BPSK   | 1       | 1         |                       | 23.36                 | 23.46                  | 23.24               | 24.0     |  |
| Channel           |            |         |           | 631668                | 633334                | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01               | 3525                   | 24.0                | 0.0      |  |
| 50                | Pl2 BPSK   | 1       | 1         |                       | 23.39                 | 23.42                  | 23.25               | 24.0     |  |
| Channel           |            |         |           | 631334                | 633334                | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01               | 3530.01                | 24.0                | 0.0      |  |
| 40                | Pl2 BPSK   | 1       | 1         |                       | 23.23                 | 23.38                  | 23.18               | 24.0     |  |
| Channel           |            |         |           | 631000                | 633334                | 636668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01               | 3535.02                | 24.0                | 0.0      |  |
| 30                | Pl2 BPSK   | 1       | 1         |                       | 23.33                 | 23.44                  | 23.31               | 24.0     |  |
| Channel           |            |         |           | 630668                | 633334                | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01               | 3540                   | 24.0                | 0.0      |  |
| 20                | Pl2 BPSK   | 1       | 1         |                       | 23.21                 | 23.35                  | 23.43               | 24.0     |  |

| Part27Q n78 HPUE Ant 9 |            |         |           |                       |                       |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------------|----------|--|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Max Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                |            |         |           | 3500.01               |                       |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 24.69                 |                       |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 1         |                       | 24.69                 |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 1       | 137       |                       | 24.62                 |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 271       |                       | 24.52                 |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         |                       | 24.17                 |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 135     | 69        |                       | 24.62                 |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 135     | 138       |                       | 24.26                 |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 270     | 0         |                       | 24.16                 |                        |                     |          |  |
| 100                    | QPSK       | 1       | 1         |                       | 23.92                 |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 1       | 137       |                       | 23.87                 |                        |                     |          |  |
| 100                    | QPSK       | 1       | 271       |                       | 23.81                 |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         |                       | 23.41                 |                        | 24.5                | 1.5      |  |
| 100                    | QPSK       | 135     | 69        |                       | 23.88                 |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 138       |                       | 22.96                 |                        | 24.5                | 1.5      |  |
| 100                    | QPSK       | 270     | 0         |                       | 23.06                 |                        | 24.5                | 1.5      |  |
| 100                    | 16QAM      | 1       | 1         |                       | 22.93                 |                        | 23.0                | 3.0      |  |
| 100                    | 64QAM      | 1       | 1         |                       | 21.41                 |                        | 21.5                | 4.5      |  |
| 100                    | 256QAM     | 1       | 1         |                       | 19.92                 |                        |                     |          |  |
| Channel                |            |         |           | 633000                | 633334                | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3495                  | 3500.01               | 3505.02                | 26.0                | 0.0      |  |
| 90                     | Pl2 BPSK   | 1       | 1         |                       | 24.75                 | 24.70                  | 24.82               | 26.0     |  |
| Channel                |            |         |           | 630968                | 633334                | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3499.02               | 3500.01               | 3501.01                | 26.0                | 0.0      |  |
| 80                     | Pl2 BPSK   | 1       | 1         |                       | 24.83                 | 24.81                  | 24.57               | 26.0     |  |
| Channel                |            |         |           | 632334                | 633334                | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01               | 3515.01                | 26.0                | 0.0      |  |
| 70                     | Pl2 BPSK   | 1       | 1         |                       | 24.69                 | 24.78                  | 24.69               | 26.0     |  |
| Channel                |            |         |           | 632000                | 633334                | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3480                  | 3500.01               | 3520.02                | 26.0                | 0.0      |  |
| 60                     | Pl2 BPSK   | 1       | 1         |                       | 24.77                 | 24.81                  | 24.60               | 26.0     |  |
| Channel                |            |         |           | 631668                | 633334                | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3475.02               | 3500.01               | 3525                   | 26.0                | 0.0      |  |
| 50                     | Pl2 BPSK   | 1       | 1         |                       | 24.70                 | 24.83                  | 24.66               | 26.0     |  |
| Channel                |            |         |           | 631334                | 633334                | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01               | 3530.01                | 26.0                | 0.0      |  |
| 40                     | Pl2 BPSK   | 1       | 1         |                       | 24.94                 | 24.80                  | 24.77               | 26.0     |  |
| Channel                |            |         |           | 631000                | 633334                | 636668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01               | 3535.02                | 26.0                | 0.0      |  |
| 30                     | Pl2 BPSK   | 1       | 1         |                       | 24.68                 | 24.68                  | 24.40               | 26.0     |  |
| Channel                |            |         |           | 630668                | 633334                | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01               | 3540                   | 26.0                | 0.0      |  |
| 20                     | Pl2 BPSK   | 1       | 1         |                       | 24.81                 | 24.78                  | 24.56               | 26.0     |  |



Reduced Power Mode for DS15

| n2 Ant 0        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 370000                | 376000                   | 380000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 22.37                 | 22.53                    | 22.43                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 53        | 22.35                 | 22.49                    | 22.44                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 104       | 22.32                 | 22.40                    | 22.33                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 21.90                 | 21.97                    | 21.97                  |                     |          |
| 20              | PI/2 BPSK  | 50      | 28        | 22.42                 | 22.49                    | 22.33                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 50      | 56        | 21.75                 | 21.91                    | 21.86                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 100     | 0         | 21.92                 | 21.94                    | 21.89                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.52                 | 22.56                    | 22.56                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.49                 | 22.56                    | 22.42                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.38                 | 22.53                    | 22.42                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.51                 | 21.58                    | 21.55                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.36                 | 22.54                    | 22.40                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.48                 | 21.54                    | 21.40                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.55                 | 21.60                    | 21.47                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.50                 | 21.61                    | 21.50                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.96                 | 20.12                    | 20.07                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.03                 | 18.17                    | 18.04                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371900                | 376000                   | 380500                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.33                 | 22.55                    | 22.44                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1865                  | 1880                     | 1905                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.33                 | 22.44                    | 22.44                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.34                 | 22.40                    | 22.32                  | 24.0                | 0.0      |

| n5 Ant 0        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 166000                | 167000                   | 167800                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 838                    |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 22.59                 | 22.73                    | 22.58                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 53        | 22.58                 | 22.68                    | 22.60                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 104       | 22.56                 | 22.61                    | 22.46                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 22.10                 | 22.16                    | 22.12                  |                     |          |
| 20              | PI/2 BPSK  | 50      | 28        | 22.55                 | 22.64                    | 22.50                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 50      | 56        | 21.99                 | 22.04                    | 22.02                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 100     | 0         | 21.96                 | 22.11                    | 21.96                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.72                 | 22.80                    | 22.70                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.59                 | 22.72                    | 22.59                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.61                 | 22.67                    | 22.63                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.67                 | 21.71                    | 21.56                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.64                 | 22.72                    | 22.62                  | 24.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.50                 | 21.62                    | 21.54                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.57                 | 21.68                    | 21.59                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.71                 | 21.80                    | 21.81                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.29                 | 20.39                    | 20.27                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.38                 | 18.43                    | 18.33                  | 19.5                | 4.5      |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.62                 | 22.64                    | 22.61                  | 24.0                | 0.0      |
| Channel         |            |         |           | 165300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.57                 | 22.62                    | 22.52                  | 24.0                | 0.0      |
| Channel         |            |         |           | 165300                | 167300                   | 168300                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.62                 | 22.74                    | 22.58                  | 24.0                | 0.0      |

| n12 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 141300                | 141500                   | 141700                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |          |
| 15              | PI/2 BPSK  | 1       | 1         | 22.36                 | 22.40                    | 22.12                  | 24.0                | 0.0      |
| 15              | PI/2 BPSK  | 1       | 40        | 22.03                 | 22.22                    | 22.20                  |                     |          |
| 15              | PI/2 BPSK  | 1       | 77        | 22.28                 | 22.37                    | 22.09                  | 23.5                | 0.5      |
| 15              | PI/2 BPSK  | 36      | 0         | 21.60                 | 21.65                    | 21.55                  |                     |          |
| 15              | PI/2 BPSK  | 36      | 22        | 22.15                 | 22.33                    | 22.12                  | 24.0                | 0.0      |
| 15              | PI/2 BPSK  | 36      | 43        | 21.58                 | 21.79                    | 21.61                  | 23.5                | 0.5      |
| 15              | PI/2 BPSK  | 75      | 0         | 21.63                 | 21.65                    | 21.61                  |                     |          |
| 15              | QPSK       | 1       | 1         | 22.26                 | 22.41                    | 22.32                  | 24.0                | 0.0      |
| 15              | QPSK       | 1       | 40        | 22.05                 | 22.35                    | 22.20                  |                     |          |
| 15              | QPSK       | 1       | 77        | 22.32                 | 22.24                    | 22.20                  | 23.0                | 1.0      |
| 15              | QPSK       | 36      | 0         | 21.24                 | 21.28                    | 21.09                  |                     |          |
| 15              | QPSK       | 36      | 22        | 22.32                 | 22.33                    | 22.16                  | 24.0                | 0.0      |
| 15              | QPSK       | 36      | 43        | 21.22                 | 21.27                    | 21.17                  | 23.0                | 1.0      |
| 15              | QPSK       | 75      | 0         | 21.05                 | 21.27                    | 21.15                  |                     |          |
| 15              | 16QAM      | 1       | 1         | 21.34                 | 21.57                    | 21.33                  | 23.0                | 1.0      |
| 15              | 64QAM      | 1       | 1         | 19.75                 | 20.02                    | 19.77                  | 21.5                | 2.5      |
| 15              | 256QAM     | 1       | 1         | 17.92                 | 18.05                    | 17.83                  | 19.5                | 4.5      |
| Channel         |            |         |           | 140800                | 141500                   | 142000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.09                 | 22.14                    | 22.15                  | 24.0                | 0.0      |
| Channel         |            |         |           | 140300                | 141500                   | 142000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.07                 | 22.28                    | 22.12                  | 24.0                | 0.0      |

| n25 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPE (dB) |
| Channel         |            |         |           | 372000                | 376000                   | 381000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |          |
| 20              | Plz2 BPSK  | 1       | 1         | 22.66                 | 22.61                    | 22.68                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 1       | 53        | 22.83                 | 22.60                    | 22.79                  |                     |          |
| 20              | Plz2 BPSK  | 1       | 104       | 22.86                 | 22.63                    | 22.84                  |                     |          |
| 20              | Plz2 BPSK  | 50      | 0         | 22.26                 | 22.13                    | 22.33                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 50      | 28        | 22.85                 | 22.62                    | 22.63                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 50      | 56        | 22.30                 | 22.31                    | 22.30                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 100     | 0         | 22.22                 | 22.31                    | 22.32                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.63                 | 22.66                    | 22.73                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.63                 | 22.74                    | 22.73                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.65                 | 22.68                    | 22.62                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.77                 | 21.77                    | 21.73                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.65                 | 22.73                    | 22.71                  |                     |          |
| 20              | QPSK       | 50      | 56        | 21.71                 | 21.86                    | 21.85                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.65                 | 21.81                    | 21.80                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.76                 | 21.83                    | 21.81                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.20                 | 20.13                    | 20.24                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.21                 | 18.14                    | 18.12                  | 19.5                | 4.5      |
| Channel         |            |         |           | 371800                | 376800                   | 381800                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1867.5                | 1882.5                   | 1907.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.58                 | 22.71                    | 22.58                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 380000                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1910                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.66                 | 22.62                    | 22.67                  | 24.0                | 0.0      |
| Channel         |            |         |           | 371600                | 376600                   | 380600                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1882.5                | 1882.5                   | 1912.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.76                 | 22.71                    | 22.52                  | 24.0                | 0.0      |

| n66 Ant 0       |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPE (dB) |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | 24.0                | 0.0      |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20              | Plz2 BPSK  | 1       | 1         | 22.16                 | 22.27                    | 22.15                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 1       | 53        | 22.21                 | 22.21                    | 22.17                  |                     |          |
| 20              | Plz2 BPSK  | 1       | 104       | 22.04                 | 22.21                    | 22.13                  |                     |          |
| 20              | Plz2 BPSK  | 50      | 0         | 21.55                 | 21.65                    | 21.64                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 50      | 28        | 22.06                 | 22.23                    | 22.08                  | 24.0                | 0.0      |
| 20              | Plz2 BPSK  | 50      | 56        | 21.56                 | 21.66                    | 21.51                  | 23.5                | 0.5      |
| 20              | Plz2 BPSK  | 100     | 0         | 21.56                 | 21.53                    | 21.60                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.25                 | 22.28                    | 22.22                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.18                 | 22.32                    | 22.21                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.16                 | 22.24                    | 22.22                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 21.12                 | 21.24                    | 21.21                  |                     |          |
| 20              | QPSK       | 50      | 28        | 22.25                 | 22.35                    | 22.18                  |                     |          |
| 20              | QPSK       | 50      | 56        | 21.05                 | 21.16                    | 21.03                  | 23.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.17                 | 21.20                    | 21.14                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.23                 | 21.39                    | 21.18                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.62                 | 19.86                    | 19.72                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 17.64                 | 17.81                    | 17.73                  | 19.5                | 4.5      |
| Channel         |            |         |           | 343800                | 348800                   | 353800                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.20                 | 22.31                    | 22.12                  | 24.0                | 0.0      |
| Channel         |            |         |           | 343000                | 348000                   | 353000                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.19                 | 22.22                    | 22.14                  | 24.0                | 0.0      |
| Channel         |            |         |           | 342600                | 347600                   | 352600                 | Tune-up limit (dBm) | MPE      |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | (dBm)               | (dB)     |
| 5               | QPSK       | 1       | 1         | 22.08                 | 22.21                    | 22.13                  | 24.0                | 0.0      |



| n5 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.11                 | 22.22                    | 22.14                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.07                 | 22.15                    | 22.09                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.09                 | 22.12                    | 22.08                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.53                 | 21.55                    | 21.52                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.01                 | 22.17                    | 22.07                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 58        | 21.51                 | 21.53                    | 21.54                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.58                 | 21.53                    | 21.51                  | 23.0                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 22.18                 | 22.28                    | 22.18                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.12                 | 22.24                    | 22.17                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.10                 | 22.18                    | 22.10                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.11                 | 21.19                    | 21.09                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.05                 | 22.19                    | 22.07                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 21.01                 | 21.04                    | 21.02                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.02                 | 21.10                    | 21.07                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.18                 | 21.12                    | 21.26                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.70                 | 19.51                    | 19.64                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.74                 | 17.73                    | 17.64                  |                     |          |  |
| Channel         |            |         |           | 166300                | 167300                   | 167300                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.07                 | 22.14                    | 22.10                  |                     |          |  |
| Channel         |            |         |           | 165800                | 167300                   | 166800                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.01                 | 22.10                    | 22.07                  |                     |          |  |
| Channel         |            |         |           | 165300                | 167300                   | 166300                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.15                 | 22.22                    | 22.15                  |                     |          |  |

| n7 Ant 1        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 502000                | 507000                   | 512000                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.12                 | 22.26                    | 22.17                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.13                 | 22.24                    | 22.17                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.11                 | 22.15                    | 22.06                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.51                 | 21.56                    | 21.53                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.12                 | 22.24                    | 22.10                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 58        | 21.54                 | 21.53                    | 21.56                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.51                 | 21.52                    | 21.61                  | 22.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 22.30                 | 22.36                    | 22.22                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.18                 | 22.31                    | 22.27                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.15                 | 22.24                    | 22.15                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.05                 | 21.19                    | 21.18                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.15                 | 22.25                    | 22.18                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 21.01                 | 21.08                    | 21.05                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.02                 | 21.13                    | 21.05                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.15                 | 21.22                    | 21.12                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.60                 | 19.76                    | 19.74                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.59                 | 17.68                    | 17.53                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.11                 | 22.29                    | 22.13                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.15                 | 22.25                    | 22.12                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.11                 | 22.18                    | 22.08                  |                     |          |  |

| n12 Ant 1       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 141300                | 141500                   | 141700                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |          |  |
| 15              | PI2 BPSK   | 1       | 1         | 21.90                 | 22.07                    | 21.73                  |                     |          |  |
| 15              | PI2 BPSK   | 1       | 40        | 21.67                 | 21.97                    | 21.86                  |                     |          |  |
| 15              | PI2 BPSK   | 1       | 77        | 21.89                 | 21.87                    | 21.99                  | 22.5                | 0.5      |  |
| 15              | PI2 BPSK   | 36      | 0         | 21.12                 | 21.22                    | 21.17                  |                     |          |  |
| 15              | PI2 BPSK   | 36      | 22        | 21.84                 | 21.88                    | 21.78                  |                     |          |  |
| 15              | PI2 BPSK   | 36      | 43        | 21.32                 | 21.32                    | 21.08                  |                     |          |  |
| 15              | PI2 BPSK   | 75      | 0         | 21.33                 | 21.35                    | 21.24                  | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 21.81                 | 22.06                    | 22.00                  |                     |          |  |
| 15              | QPSK       | 1       | 40        | 21.85                 | 21.93                    | 21.72                  |                     |          |  |
| 15              | QPSK       | 1       | 77        | 21.83                 | 21.94                    | 21.90                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 20.73                 | 20.75                    | 20.81                  | 22.0                | 1.0      |  |
| 15              | QPSK       | 36      | 22        | 21.70                 | 21.96                    | 21.70                  |                     |          |  |
| 15              | QPSK       | 36      | 43        | 20.78                 | 20.92                    | 20.64                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 20.68                 | 20.89                    | 20.72                  |                     |          |  |
| 15              | 16QAM      | 1       | 1         | 21.03                 | 21.19                    | 21.11                  | 22.0                | 1.0      |  |
| 15              | 64QAM      | 1       | 1         | 19.48                 | 19.52                    | 19.48                  |                     |          |  |
| 15              | 256QAM     | 1       | 1         | 17.32                 | 17.58                    | 17.30                  |                     |          |  |
| Channel         |            |         |           | 140300                | 141500                   | 142200                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 21.24                 | 21.39                    | 21.42                  |                     |          |  |
| Channel         |            |         |           | 140300                | 141500                   | 142700                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 21.28                 | 21.38                    | 21.39                  | 23.0                | 0.0      |  |



| n38 Ant 1       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                   | 518000                      | 519998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2580.02                  | 2595                        | 2599.98                   |                        |             |  |
| 40              | PQ2 BPSK   | 1       | 1         | 21.10                    | 21.45                       | 21.26                     |                        |             |  |
| 40              | PQ2 BPSK   | 1       | 53        | 21.42                    | 21.60                       | 21.29                     | 23.0                   | 0.0         |  |
| 40              | PQ2 BPSK   | 1       | 104       | 21.07                    | 21.51                       | 21.21                     |                        |             |  |
| 40              | PQ2 BPSK   | 50      | 0         | 20.82                    | 21.09                       | 20.82                     | 22.5                   | 0.5         |  |
| 40              | PQ2 BPSK   | 50      | 28        | 21.25                    | 21.30                       | 21.23                     | 23.0                   | 0.0         |  |
| 40              | PQ2 BPSK   | 50      | 58        | 20.55                    | 21.21                       | 20.76                     |                        |             |  |
| 40              | PQ2 BPSK   | 100     | 0         | 20.59                    | 21.07                       | 20.79                     | 22.5                   | 0.5         |  |
| 40              | QPSK       | 1       | 1         | 21.11                    | 21.65                       | 21.34                     |                        |             |  |
| 40              | QPSK       | 1       | 53        | 21.12                    | 21.16                       | 21.10                     | 23.0                   | 0.0         |  |
| 40              | QPSK       | 1       | 104       | 21.19                    | 21.36                       | 21.51                     |                        |             |  |
| 40              | QPSK       | 50      | 0         | 20.28                    | 20.29                       | 20.11                     | 22.0                   | 1.0         |  |
| 40              | QPSK       | 50      | 28        | 21.32                    | 21.39                       | 21.13                     | 23.0                   | 0.0         |  |
| 40              | QPSK       | 50      | 58        | 20.21                    | 20.09                       | 20.10                     |                        |             |  |
| 40              | QPSK       | 100     | 0         | 20.22                    | 20.33                       | 20.17                     | 22.0                   | 1.0         |  |
| 40              | 16QAM      | 1       | 1         | 20.29                    | 20.09                       | 20.04                     | 22.0                   | 1.0         |  |
| 40              | 64QAM      | 1       | 1         | 18.83                    | 18.83                       | 18.67                     | 20.5                   | 2.5         |  |
| 40              | 256QAM     | 1       | 1         | 16.75                    | 16.75                       | 16.64                     | 18.5                   | 4.5         |  |
| Channel         |            |         |           | 517002                   | 518000                      | 520000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2585.01                  | 2595                        | 2604.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 21.05                    | 21.54                       | 21.23                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 516000                   | 516000                      | 522000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 21.08                    | 21.54                       | 21.21                     | 23.0                   | 0.0         |  |

| n41 Ant 1       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 1         | 21.31                    | 21.64                       | 21.45                     |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 137       | 21.17                    | 21.75                       | 21.53                     | 23.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 1       | 271       | 21.29                    | 21.76                       | 21.38                     |                        |             |  |
| 100             | PQ2 BPSK   | 135     | 0         | 20.88                    | 21.27                       | 21.07                     | 22.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 135     | 69        | 21.18                    | 21.54                       | 21.43                     | 23.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 135     | 138       | 20.78                    | 21.39                       | 20.98                     | 22.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 270     | 0         | 20.76                    | 21.24                       | 21.05                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 21.33                    | 21.80                       | 21.52                     |                        |             |  |
| 100             | QPSK       | 1       | 137       | 21.27                    | 21.41                       | 21.17                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 271       | 21.44                    | 21.53                       | 21.65                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 20.47                    | 20.52                       | 20.34                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 21.46                    | 21.54                       | 21.39                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 20.42                    | 20.31                       | 20.14                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 20.47                    | 20.51                       | 20.35                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 20.47                    | 20.29                       | 20.24                     | 22.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 19.02                    | 19.07                       | 18.88                     | 20.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 16.91                    | 16.92                       | 16.84                     | 18.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 520598                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 21.24                    | 21.51                       | 21.33                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2536.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 21.04                    | 21.67                       | 21.41                     | 23.0                   | 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         | 21.23                    | 21.64                       | 21.27                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2526                     | 2592.99                     | 2659.99                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 21.20                    | 21.51                       | 21.34                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2654.99                   |                        |             |  |
| 50              | QPSK       | 1       | 1         | 21.08                    | 21.46                       | 21.35                     | 23.0                   | 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         | 21.05                    | 21.66                       | 21.38                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 502200                   | 518598                      | 534998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 21.19                    | 21.67                       | 21.23                     | 23.0                   | 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         | 21.19                    | 21.64                       | 21.24                     | 23.0                   | 0.0         |  |

| n41 HPUE Ant 1  |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520000                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 1         | 23.45                    | 23.50                       | 23.49                     |                        |             |  |
| 100             | PQ2 BPSK   | 1       | 137       | 23.41                    | 23.64                       | 23.56                     | 25.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 1       | 271       | 23.45                    | 23.69                       | 23.47                     |                        |             |  |
| 100             | PQ2 BPSK   | 135     | 0         | 23.05                    | 23.10                       | 23.16                     | 24.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 135     | 69        | 23.32                    | 23.61                       | 23.59                     | 25.0                   | 0.0         |  |
| 100             | PQ2 BPSK   | 135     | 138       | 23.01                    | 23.09                       | 23.13                     | 24.5                   | 0.5         |  |
| 100             | PQ2 BPSK   | 270     | 0         | 23.00                    | 23.28                       | 23.14                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 23.34                    | 23.75                       | 23.66                     |                        |             |  |
| 100             | QPSK       | 1       | 137       | 23.44                    | 23.70                       | 23.67                     | 25.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 271       | 23.68                    | 23.34                       | 23.66                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 22.48                    | 22.62                       | 22.72                     | 24.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 23.33                    | 23.60                       | 23.57                     | 25.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 22.86                    | 22.64                       | 22.76                     | 24.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 22.19                    | 22.55                       | 22.49                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 22.63                    | 22.58                       | 22.75                     | 24.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 21.04                    | 21.17                       | 21.15                     | 22.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 18.15                    | 19.17                       | 19.28                     | 20.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 530998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 23.35                    | 23.41                       | 23.41                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 529998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2536.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 23.33                    | 23.52                       | 23.44                     | 25.0                   | 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         | 23.34                    | 23.58                       | 23.41                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2526                     | 2592.99                     | 2659.99                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 23.33                    | 23.42                       | 23.35                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2654.99                   |                        |             |  |
| 50              | QPSK       | 1       | 1         | 23.31                    | 23.52                       | 23.42                     | 25.0                   | 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         | 23.32                    | 23.55                       | 23.37                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 502200                   | 518598                      | 534998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 23.35                    | 23.60                       | 23.38                     | 25.0                   | 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         | 23.33                    | 23.50                       | 23.45                     | 25.0                   | 0.0         |  |



| n2 Ant 5        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 372000                | 376000                   | 380000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.68                 | 22.60                    | 22.62                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.53                 | 22.68                    | 22.60                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.36                 | 22.42                    | 22.52                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.16                 | 22.02                    | 22.09                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.50                 | 22.56                    | 22.36                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 56        | 22.00                 | 22.05                    | 21.97                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.86                 | 21.99                    | 21.97                  | 23.0                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 22.57                 | 22.76                    | 22.46                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.46                 | 22.58                    | 22.56                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.41                 | 22.71                    | 22.43                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.48                 | 21.65                    | 21.66                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.50                 | 22.65                    | 22.46                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 21.31                 | 21.46                    | 21.41                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.66                 | 21.67                    | 21.53                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.48                 | 21.69                    | 21.40                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.11                 | 20.19                    | 20.13                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.34                 | 18.24                    | 18.27                  |                     |          |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 |                     | 24.0     |  |
| Frequency (MHz) |            |         |           | 1867.5                | 1880                     | 1902.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.63                 | 22.69                    | 22.58                  |                     | 0.0      |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1905                  | 1900                     | 1905                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.48                 | 22.56                    | 22.39                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.40                 | 22.48                    | 22.49                  |                     |          |  |

| n7 Ant 5        |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 502000                | 507000                   | 512000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.32                 | 22.49                    | 22.48                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.29                 | 22.41                    | 22.30                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.24                 | 22.39                    | 22.34                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.69                 | 21.71                    | 21.59                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.30                 | 22.40                    | 22.28                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.56                 | 21.63                    | 21.61                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.54                 | 21.63                    | 21.62                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.36                 | 22.58                    | 22.55                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.35                 | 22.49                    | 22.38                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.35                 | 22.49                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.28                 | 21.37                    | 21.32                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.32                 | 22.47                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 21.12                 | 21.26                    | 21.24                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.12                 | 21.31                    | 21.29                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.39                 | 21.46                    | 21.29                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.87                 | 20.00                    | 19.85                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.71                 | 17.83                    | 17.79                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     | 24.0     |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2635                     | 2662.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.14                 | 22.31                    | 22.25                  |                     | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2635                     | 2665                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.07                 | 22.21                    | 22.12                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2635                     | 2667.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.04                 | 22.20                    | 22.17                  |                     |          |  |

| n66 Ant 5       |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 344000                | 349000                   | 354000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.12                 | 22.36                    | 22.19                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.21                 | 22.23                    | 22.19                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.04                 | 22.11                    | 22.02                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.53                 | 21.78                    | 21.58                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.13                 | 22.30                    | 22.15                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 56        | 22.16                 | 21.60                    | 21.63                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.53                 | 21.58                    | 21.51                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.34                 | 22.37                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.12                 | 22.28                    | 22.19                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.17                 | 22.21                    | 22.17                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.13                 | 21.23                    | 21.06                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.28                 | 22.33                    | 22.21                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 21.02                 | 21.01                    | 21.03                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.03                 | 21.16                    | 21.15                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.21                 | 21.28                    | 21.18                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.83                 | 19.74                    | 19.75                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.64                 | 17.91                    | 17.89                  |                     |          |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 |                     | 24.0     |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.17                 | 22.33                    | 22.12                  |                     | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.21                 | 22.28                    | 22.13                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.22                 | 22.31                    | 22.12                  |                     |          |  |



| n38 Ant 5       |            |         |           |                       |                          |                        |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |      |
| Channel         |            |         |           | 5190.02               | 5190.04                  | 5190.06                |      |
| Frequency (MHz) |            |         |           | 21.99                 | 22.02                    | 21.99                  |      |
| 40              | PI2 BPSK   | 1       | 1         | 21.99                 | 22.02                    | 21.99                  |      |
| 40              | PI2 BPSK   | 1       | 53        | 21.89                 | 21.96                    | 21.94                  | 23.0 |
| 40              | PI2 BPSK   | 1       | 104       | 21.86                 | 21.89                    | 21.80                  |      |
| 40              | PI2 BPSK   | 50      | 0         | 21.30                 | 21.43                    | 21.27                  | 22.5 |
| 40              | PI2 BPSK   | 50      | 28        | 21.89                 | 21.96                    | 21.90                  | 23.0 |
| 40              | PI2 BPSK   | 50      | 56        | 21.21                 | 21.34                    | 21.26                  | 22.5 |
| 40              | PI2 BPSK   | 100     | 0         | 21.21                 | 21.38                    | 21.30                  |      |
| 40              | QPSK       | 1       | 1         | 21.92                 | 22.09                    | 22.00                  |      |
| 40              | QPSK       | 1       | 53        | 21.96                 | 21.98                    | 21.98                  | 23.0 |
| 40              | QPSK       | 1       | 104       | 21.89                 | 21.95                    | 21.83                  |      |
| 40              | QPSK       | 50      | 0         | 20.79                 | 20.95                    | 20.83                  | 22.0 |
| 40              | QPSK       | 50      | 28        | 21.93                 | 22.01                    | 21.92                  | 23.0 |
| 40              | QPSK       | 50      | 56        | 20.70                 | 20.80                    | 20.72                  | 22.0 |
| 40              | QPSK       | 100     | 0         | 20.92                 | 20.98                    | 20.78                  | 22.0 |
| 40              | 16QAM      | 1       | 1         | 20.89                 | 21.05                    | 21.01                  | 22.0 |
| 40              | 64QAM      | 1       | 1         | 19.99                 | 19.96                    | 19.61                  | 20.5 |
| 40              | 256QAM     | 1       | 1         | 17.57                 | 17.51                    | 17.46                  | 18.5 |
| Channel         |            |         |           | 5192.02               | 5192.04                  | 5192.06                |      |
| Frequency (MHz) |            |         |           | 2565.01               | 2565                     | 2564.99                |      |
| 30              | QPSK       | 1       | 1         | 21.86                 | 21.89                    | 21.84                  | 23.0 |
| Channel         |            |         |           | 5190.00               | 5190.00                  | 5200.00                |      |
| Frequency (MHz) |            |         |           | 2560                  | 2565                     | 2610                   |      |
| 20              | QPSK       | 1       | 1         | 21.80                 | 21.85                    | 21.77                  | 23.0 |

| n41 Ant 5       |            |         |           |                       |                          |                        |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |      |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |      |
| Frequency (MHz) |            |         |           | 2546.01               | 2552.99                  | 2640                   |      |
| 100             | PI2 BPSK   | 1       | 1         | 22.07                 | 22.10                    | 22.11                  |      |
| 100             | PI2 BPSK   | 1       | 137       | 22.03                 | 22.07                    | 22.05                  | 23.0 |
| 100             | PI2 BPSK   | 1       | 271       | 21.95                 | 21.95                    | 22.00                  |      |
| 100             | PI2 BPSK   | 135     | 0         | 21.66                 | 21.65                    | 21.71                  | 22.5 |
| 100             | PI2 BPSK   | 135     | 69        | 22.07                 | 22.09                    | 22.06                  | 23.0 |
| 100             | PI2 BPSK   | 135     | 138       | 21.73                 | 21.76                    | 21.76                  | 22.5 |
| 100             | PI2 BPSK   | 270     | 0         | 21.80                 | 21.57                    | 21.55                  | 23.5 |
| 100             | QPSK       | 1       | 1         | 22.08                 | 22.13                    | 22.10                  |      |
| 100             | QPSK       | 1       | 137       | 22.11                 | 22.08                    | 22.08                  | 23.0 |
| 100             | QPSK       | 1       | 271       | 22.07                 | 22.02                    | 22.06                  |      |
| 100             | QPSK       | 135     | 0         | 21.01                 | 21.03                    | 21.00                  | 22.0 |
| 100             | QPSK       | 135     | 69        | 21.63                 | 21.67                    | 21.64                  | 23.0 |
| 100             | QPSK       | 135     | 138       | 21.19                 | 21.16                    | 21.18                  | 22.0 |
| 100             | QPSK       | 270     | 0         | 21.25                 | 21.20                    | 21.24                  | 22.0 |
| 100             | 16QAM      | 1       | 1         | 21.13                 | 21.13                    | 21.12                  | 22.0 |
| 100             | 64QAM      | 1       | 1         | 19.53                 | 19.52                    | 19.53                  | 20.5 |
| 100             | 256QAM     | 1       | 1         | 17.68                 | 17.67                    | 17.71                  | 18.5 |
| Channel         |            |         |           | 509200                | 518999                   | 528000                 |      |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |      |
| 90              | QPSK       | 1       | 1         | 21.93                 | 21.90                    | 21.95                  | 23.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529999                 |      |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2650                   |      |
| 80              | QPSK       | 1       | 1         | 21.88                 | 21.85                    | 21.90                  | 23.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |      |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2650                   |      |
| 70              | QPSK       | 1       | 1         | 21.19                 | 21.80                    | 21.77                  | 23.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |      |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |      |
| 60              | QPSK       | 1       | 1         | 21.93                 | 21.90                    | 21.94                  | 23.0 |
| Channel         |            |         |           | 502205                | 518999                   | 530999                 |      |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |      |
| 50              | QPSK       | 1       | 1         | 21.87                 | 21.86                    | 21.90                  | 23.0 |
| Channel         |            |         |           | 502002                | 518998                   | 534000                 |      |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |      |
| 40              | QPSK       | 1       | 1         | 21.80                 | 21.78                    | 21.82                  | 23.0 |
| Channel         |            |         |           | 502000                | 518998                   | 534999                 |      |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |      |
| 30              | QPSK       | 1       | 1         | 21.87                 | 21.89                    | 21.89                  | 23.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535999                 |      |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |      |
| 20              | QPSK       | 1       | 1         | 21.93                 | 21.94                    | 21.91                  | 23.0 |

| n41 HPUE Ant 5  |            |         |           |                       |                          |                        |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |      |
| Channel         |            |         |           | 5092.02               | 5189.98                  | 5280.00                |      |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |      |
| 100             | PI2 BPSK   | 1       | 1         | 22.10                 | 24.02                    | 24.02                  |      |
| 100             | PI2 BPSK   | 1       | 137       | 23.76                 | 23.81                    | 23.80                  | 25.0 |
| 100             | PI2 BPSK   | 1       | 271       | 23.96                 | 24.01                    | 23.99                  |      |
| 100             | PI2 BPSK   | 135     | 0         | 23.51                 | 23.54                    | 23.52                  | 24.5 |
| 100             | PI2 BPSK   | 135     | 69        | 23.89                 | 23.88                    | 23.86                  | 25.0 |
| 100             | PI2 BPSK   | 135     | 138       | 23.46                 | 23.49                    | 23.46                  | 24.5 |
| 100             | PI2 BPSK   | 270     | 0         | 23.42                 | 23.46                    | 23.46                  |      |
| 100             | QPSK       | 1       | 1         | 23.97                 | 24.03                    | 24.02                  |      |
| 100             | QPSK       | 1       | 137       | 23.75                 | 23.69                    | 23.75                  | 25.0 |
| 100             | QPSK       | 1       | 271       | 23.74                 | 23.77                    | 23.73                  |      |
| 100             | QPSK       | 135     | 0         | 23.07                 | 23.06                    | 23.09                  | 24.0 |
| 100             | QPSK       | 135     | 69        | 23.75                 | 23.77                    | 23.75                  | 25.0 |
| 100             | QPSK       | 135     | 138       | 22.77                 | 22.80                    | 22.80                  | 24.0 |
| 100             | QPSK       | 270     | 0         | 22.83                 | 22.85                    | 22.84                  |      |
| 100             | 16QAM      | 1       | 1         | 23.07                 | 23.07                    | 23.07                  | 24.0 |
| 100             | 64QAM      | 1       | 1         | 21.54                 | 21.52                    | 21.48                  | 22.5 |
| 100             | 256QAM     | 1       | 1         | 19.60                 | 19.53                    | 19.57                  | 20.5 |
| Channel         |            |         |           | 5092.00               | 5189.98                  | 5299.99                |      |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |      |
| 90              | QPSK       | 1       | 1         | 23.78                 | 23.77                    | 23.84                  | 25.0 |
| Channel         |            |         |           | 507.204               | 5189.98                  | 5299.99                |      |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |      |
| 80              | QPSK       | 1       | 1         | 23.89                 | 23.91                    | 23.85                  | 25.0 |
| Channel         |            |         |           | 5062.00               | 5189.98                  | 5310.00                |      |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2650                   |      |
| 70              | QPSK       | 1       | 1         | 23.91                 | 23.85                    | 23.84                  | 25.0 |
| Channel         |            |         |           | 5052.00               | 5189.98                  | 5319.98                |      |
| Frequency (MHz) |            |         |           | 2526.00               | 2592.99                  | 2659.98                |      |
| 60              | QPSK       | 1       | 1         | 23.87                 | 23.92                    | 23.87                  | 25.0 |
| Channel         |            |         |           | 502.205               | 5189.99                  | 5309.99                |      |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |      |
| 50              | QPSK       | 1       | 1         | 23.94                 | 23.94                    | 23.90                  | 25.0 |
| Channel         |            |         |           | 502.002               | 5189.98                  | 5340.00                |      |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |      |
| 40              | QPSK       | 1       | 1         | 23.87                 | 23.84                    | 23.86                  | 25.0 |
| Channel         |            |         |           | 502.000               | 5189.98                  | 5349.99                |      |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |      |
| 30              | QPSK       | 1       | 1         | 23.84                 | 23.84                    | 23.91                  | 25.0 |
| Channel         |            |         |           | 501.204               | 5189.98                  | 5359.99                |      |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |      |
| 20              | QPSK       | 1       | 1         | 23.93                 | 23.89                    | 23.84                  | 25.0 |



| n48 Part96 Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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          |            |         |           | 638000                | 641666                   | 645332                 |                     |          |  |
| Frequency (MHz)  |            |         |           | 3520                  | 3624.99                  | 3679.98                |                     |          |  |
| 40               | PI2 BPSK   | 1       | 1         | 21.09                 | 21.50                    | 21.12                  |                     |          |  |
| 40               | PI2 BPSK   | 1       | 53        | 21.02                 | 21.10                    | 21.12                  | 22.0                |          |  |
| 40               | PI2 BPSK   | 1       | 104       | 21.18                 | 21.17                    | 21.16                  |                     |          |  |
| 40               | PI2 BPSK   | 50      | 0         | 20.36                 | 20.52                    | 20.43                  | 22.0                | 0.0      |  |
| 40               | PI2 BPSK   | 50      | 28        | 20.84                 | 21.03                    | 21.04                  | 22.0                | 0.0      |  |
| 40               | PI2 BPSK   | 50      | 56        | 20.43                 | 20.50                    | 20.34                  | 22.0                | 0.0      |  |
| 40               | PI2 BPSK   | 100     | 0         | 20.47                 | 20.54                    | 20.51                  |                     |          |  |
| 40               | QPSK       | 1       | 1         | 21.18                 | 21.32                    | 21.09                  |                     |          |  |
| 40               | QPSK       | 1       | 53        | 21.01                 | 21.19                    | 21.00                  | 22.0                | 0.0      |  |
| 40               | QPSK       | 1       | 104       | 21.00                 | 21.11                    | 21.02                  |                     |          |  |
| 40               | QPSK       | 50      | 0         | 21.13                 | 20.12                    | 20.98                  | 22.0                | 0.0      |  |
| 40               | QPSK       | 50      | 28        | 21.09                 | 21.14                    | 21.02                  | 22.0                | 0.0      |  |
| 40               | QPSK       | 50      | 56        | 21.07                 | 20.08                    | 20.95                  | 22.0                | 0.0      |  |
| 40               | QPSK       | 100     | 0         | 21.07                 | 21.10                    | 21.02                  |                     |          |  |
| 40               | 16QAM      | 1       | 1         | 21.14                 | 21.25                    | 20.93                  | 22.0                | 0.0      |  |
| 40               | 64QAM      | 1       | 1         | 19.79                 | 19.82                    | 19.66                  | 20.5                | 1.5      |  |
| 40               | 256QAM     | 1       | 1         | 17.56                 | 17.71                    | 17.64                  | 18.5                | 3.5      |  |
| Channel          |            |         |           | 632334                | 643666                   | 640000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |          |  |
| 20               | QPSK       | 1       | 1         | 21.08                 | 21.19                    | 21.03                  | 22.0                | 0.0      |  |

| Part270 n77 Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                   | 660000                 |                     |          |  |
| Frequency (MHz)   |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100               | PI2 BPSK   | 1       | 1         | 21.26                 | 21.43                    | 21.32                  |                     |          |  |
| 100               | PI2 BPSK   | 1       | 137       | 21.25                 | 21.38                    | 21.37                  | 23.0                | 0.0      |  |
| 100               | PI2 BPSK   | 1       | 271       | 21.22                 | 21.23                    | 21.20                  |                     |          |  |
| 100               | PI2 BPSK   | 135     | 0         | 21.20                 | 21.35                    | 21.31                  | 22.5                | 0.5      |  |
| 100               | PI2 BPSK   | 135     | 69        | 21.32                 | 21.34                    | 21.30                  | 23.0                | 0.0      |  |
| 100               | PI2 BPSK   | 135     | 138       | 21.27                 | 21.32                    | 21.26                  | 22.5                | 0.5      |  |
| 100               | PI2 BPSK   | 270     | 0         | 21.21                 | 21.24                    | 21.14                  |                     |          |  |
| 100               | QPSK       | 1       | 1         | 21.44                 | 21.49                    | 21.35                  |                     |          |  |
| 100               | QPSK       | 1       | 137       | 21.31                 | 21.42                    | 21.27                  | 23.0                | 0.0      |  |
| 100               | QPSK       | 1       | 271       | 21.31                 | 21.39                    | 21.32                  |                     |          |  |
| 100               | QPSK       | 135     | 0         | 21.19                 | 21.31                    | 21.21                  | 22.0                | 1.0      |  |
| 100               | QPSK       | 135     | 69        | 21.35                 | 21.41                    | 21.39                  | 23.0                | 0.0      |  |
| 100               | QPSK       | 135     | 138       | 20.37                 | 20.51                    | 20.58                  | 22.0                | 1.0      |  |
| 100               | QPSK       | 270     | 0         | 20.43                 | 20.57                    | 20.50                  |                     |          |  |
| 100               | 16QAM      | 1       | 1         | 21.31                 | 21.40                    | 21.26                  | 22.0                | 1.0      |  |
| 100               | 64QAM      | 1       | 1         | 19.68                 | 19.89                    | 19.74                  | 20.5                | 2.5      |  |
| 100               | 256QAM     | 1       | 1         | 17.80                 | 17.84                    | 17.78                  | 18.5                | 4.5      |  |
| Channel           |            |         |           | 645334                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                | QPSK       | 1       | 1         | 21.24                 | 21.27                    | 21.26                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 648000                | 650000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720.02               | 3840                     | 3960.01                |                     |          |  |
| 60                | QPSK       | 1       | 1         | 21.35                 | 21.40                    | 21.33                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 648000                | 650000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                | QPSK       | 1       | 1         | 21.29                 | 21.37                    | 21.23                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 647668                | 650000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                | QPSK       | 1       | 1         | 21.31                 | 21.32                    | 21.20                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 641334                | 650000                   | 660000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                | QPSK       | 1       | 1         | 21.28                 | 21.31                    | 21.25                  | 23.0                | 0.0      |  |

| Part270 n77 HPUE Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                   | 660000                 |                     |          |  |
| Frequency (MHz)        |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 1         | 24.02                 | 24.07                    | 24.06                  |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 137       | 24.01                 | 24.02                    | 24.01                  | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 1       | 271       | 24.02                 | 24.03                    | 24.03                  |                     |          |  |
| 100                    | PI2 BPSK   | 135     | 0         | 23.97                 | 24.02                    | 23.98                  | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 135     | 69        | 24.10                 | 24.05                    | 24.01                  | 26.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 135     | 138       | 23.86                 | 23.93                    | 23.83                  | 25.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 270     | 0         | 23.96                 | 24.05                    | 23.80                  |                     |          |  |
| 100                    | QPSK       | 1       | 1         | 24.08                 | 24.30                    | 24.02                  |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 24.07                 | 24.07                    | 24.02                  | 26.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 271       | 24.03                 | 24.02                    | 24.01                  |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 23.87                 | 24.02                    | 23.92                  | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 69        | 24.01                 | 24.09                    | 24.02                  | 26.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       | 24.01                 | 24.02                    | 23.95                  | 25.0                | 1.0      |  |
| 100                    | QPSK       | 270     | 0         | 23.88                 | 23.00                    | 23.89                  |                     |          |  |
| 100                    | 16QAM      | 1       | 1         | 23.23                 | 23.26                    | 23.25                  | 25.0                | 1.0      |  |
| 100                    | 64QAM      | 1       | 1         | 21.53                 | 21.54                    | 21.51                  | 23.5                | 2.5      |  |
| 100                    | 256QAM     | 1       | 1         | 20.18                 | 20.28                    | 20.25                  | 21.5                | 4.5      |  |
| Channel                |            |         |           | 645334                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                     | QPSK       | 1       | 1         | 24.06                 | 24.08                    | 23.99                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 648000                | 650000                   | 663334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720.02               | 3840                     | 3960.01                |                     |          |  |
| 60                     | QPSK       | 1       | 1         | 23.96                 | 24.04                    | 23.91                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 648000                | 650000                   | 664000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                     | QPSK       | 1       | 1         | 23.91                 | 24.04                    | 23.84                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 647668                | 650000                   | 664334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                     | QPSK       | 1       | 1         | 23.98                 | 24.07                    | 23.98                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 641334                | 650000                   | 640000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                     | QPSK       | 1       | 1         | 23.98                 | 24.10                    | 23.99                  | 26.0                | 0.0      |  |

Part27Q n77 Ant 5

| 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.52                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 21.49                 |                          |                        | 23.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 21.40                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 21.24                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.32                 |                          |                        | 23.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 21.21                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 21.16                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.60                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.54                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.47                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.17                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 21.36                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.15                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 21.25                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 21.46                 |                          |                        | 22.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.91                 |                          |                        | 20.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 17.92                 |                          |                        | 18.5                | 4.5      |
| Channel         |            |         |           | 632968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | QPSK       | 1       | 1         | 21.38                 | 21.46                    | 21.45                  | 23.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490                  | 3500.01                  | 3500.02                |                     |          |
| 60              | QPSK       | 1       | 1         | 21.35                 | 21.35                    | 21.34                  | 23.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | QPSK       | 1       | 1         | 21.55                 | 21.51                    | 21.52                  | 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         | 21.37                 | 21.38                    | 21.35                  | 23.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3540                   |                     |          |
| 20              | QPSK       | 1       | 1         | 21.35                 | 21.36                    | 21.38                  | 23.0                | 0.0      |

Part27Q n77 HPUE Ant 5

| 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 24.25                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 24.28                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 24.36                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 24.27                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 24.32                 |                          |                        | 26.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 24.37                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 24.33                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 24.63                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.25                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.22                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.18                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 24.24                 |                          |                        | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.24                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 22.80                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 23.24                 |                          |                        | 25.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.70                 |                          |                        | 23.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.84                 |                          |                        | 21.5                | 4.5      |
| Channel         |            |         |           | 632968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | QPSK       | 1       | 1         | 24.27                 | 24.26                    | 24.23                  | 26.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490                  | 3500.01                  | 3500.02                |                     |          |
| 60              | QPSK       | 1       | 1         | 24.21                 | 24.28                    | 24.28                  | 26.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | QPSK       | 1       | 1         | 24.20                 | 24.25                    | 24.27                  | 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         | 24.29                 | 24.22                    | 24.25                  | 26.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3540                   |                     |          |
| 20              | QPSK       | 1       | 1         | 24.25                 | 24.26                    | 24.21                  | 26.0                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 21.13                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 137       | 21.14                 |                          |                        | 23.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 271       | 21.04                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 20.96                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 21.03                 |                          |                        | 23.0                | 0.9      |
| 100             | Pl2 BPSK   | 135     | 138       | 20.95                 |                          |                        | 22.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 20.98                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.20                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.03                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.06                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 20.28                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 21.15                 |                          |                        | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.06                 |                          |                        | 22.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 20.05                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 21.04                 |                          |                        | 22.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.59                 |                          |                        | 20.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 17.83                 |                          |                        | 18.5                | 4.5      |
| Channel         |            |         |           | 648968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 80              | QPSK       | 1       | 1         | 21.14                 | 21.16                    | 21.01                  | 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         | 21.09                 | 21.09                    | 21.18                  | 23.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |
| 70              | QPSK       | 1       | 1         | 21.07                 | 21.11                    | 21.04                  | 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         | 21.07                 | 21.10                    | 21.15                  | 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         | 21.04                 | 21.12                    | 21.11                  | 23.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40              | QPSK       | 1       | 1         | 21.02                 | 21.01                    | 21.18                  | 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         | 21.11                 | 21.17                    | 21.08                  | 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         | 21.10                 | 21.05                    | 21.03                  | 23.0                | 0.0      |



| Part270 n78 HPUE Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 3750                  |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 1         | 24.07                 |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 137       | 24.25                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 1       | 271       | 24.09                 |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         | 24.12                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 135     | 69        | 24.20                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 135     | 138       | 23.99                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 270     | 0         | 23.88                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 1       | 1         | 24.28                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 24.12                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 271       | 24.04                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 23.98                 |                          |                        | 26.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 69        | 24.05                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       | 23.87                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 270     | 0         | 23.94                 |                          |                        | 26.0                | 1.0      |  |
| 100                    | 16QAM      | 1       | 1         | 23.81                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | 64QAM      | 1       | 1         | 22.02                 |                          |                        | 23.5                | 2.5      |  |
| 100                    | 256QAM     | 1       | 1         | 19.99                 |                          |                        | 21.5                | 4.5      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 648968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR      |  |
| Channel                |            |         |           | 3745.02               | 3750                     | 3755.01                | 26.0                | 0.0      |  |
| 80                     | QPSK       | 1       | 1         | 24.09                 | 24.14                    | 24.07                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 3740.01               | 3750                     | 3760.02                | Tune-up limit (dBm) | MPR      |  |
| 80                     | QPSK       | 1       | 1         | 24.18                 | 24.12                    | 24.13                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 648900                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR      |  |
| Channel                |            |         |           | 3735                  | 3750                     | 3765                   | 26.0                | 0.0      |  |
| 70                     | QPSK       | 1       | 1         | 24.17                 | 24.13                    | 24.11                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 648968                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR      |  |
| Channel                |            |         |           | 3760.02               | 3750                     | 3770.01                | 26.0                | 0.0      |  |
| 60                     | QPSK       | 1       | 1         | 24.17                 | 24.15                    | 24.15                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 632334                | 630000                   | 631668                 | Tune-up limit (dBm) | MPR      |  |
| Channel                |            |         |           | 3725.01               | 3750                     | 3775.02                | 26.0                | 0.0      |  |
| 50                     | QPSK       | 1       | 1         | 24.08                 | 24.14                    | 24.10                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR      |  |
| Channel                |            |         |           | 3760                  | 3760                     | 3760                   | 26.0                | 0.0      |  |
| 40                     | QPSK       | 1       | 1         | 24.20                 | 24.09                    | 24.08                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 647868                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR      |  |
| Channel                |            |         |           | 3715.02               | 3750                     | 3785.01                | 26.0                | 0.0      |  |
| 30                     | QPSK       | 1       | 1         | 24.15                 | 24.09                    | 24.14                  | 26.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 647334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR      |  |
| Channel                |            |         |           | 3710.01               | 3750                     | 3790.02                | 26.0                | 0.0      |  |
| 20                     | QPSK       | 1       | 1         | 24.19                 | 24.10                    | 24.13                  | 26.0                | 0.0      |  |

| Part27Q n78 Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 1         | 21.42                 |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 137       | 21.35                 |                          |                        | 23.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 1       | 271       | 21.34                 |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 135     | 0         | 21.32                 |                          |                        | 22.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 135     | 69        | 21.37                 |                          |                        | 23.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 135     | 138       | 21.25                 |                          |                        | 22.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 270     | 0         | 21.39                 |                          |                        | 22.5                | 0.5      |  |
| 100               | QPSK       | 1       | 1         | 21.46                 |                          |                        |                     |          |  |
| 100               | QPSK       | 1       | 137       | 21.17                 |                          |                        | 23.0                | 0.0      |  |
| 100               | QPSK       | 1       | 271       | 21.05                 |                          |                        |                     |          |  |
| 100               | QPSK       | 135     | 0         | 20.49                 |                          |                        | 22.0                | 1.0      |  |
| 100               | QPSK       | 135     | 69        | 21.45                 |                          |                        | 23.0                | 0.0      |  |
| 100               | QPSK       | 135     | 138       | 20.36                 |                          |                        | 22.0                | 1.0      |  |
| 100               | QPSK       | 270     | 0         | 20.48                 |                          |                        | 22.0                | 1.0      |  |
| 100               | 16QAM      | 1       | 1         | 21.11                 |                          |                        | 22.0                | 1.0      |  |
| 100               | 64QAM      | 1       | 1         | 19.57                 |                          |                        | 20.5                | 2.5      |  |
| 100               | 256QAM     | 1       | 1         | 17.86                 |                          |                        | 18.5                | 4.5      |  |
| Channel           |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3495                  | 3500.01                  | 3505.02                | 26.0                | 0.0      |  |
| 90                | QPSK       | 1       | 1         | 21.40                 | 21.36                    | 21.17                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3490.02               | 3500.01                  | 3510                   | 23.0                | 0.0      |  |
| 80                | QPSK       | 1       | 1         | 21.32                 | 21.39                    | 21.36                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 23.0                | 0.0      |  |
| 70                | QPSK       | 1       | 1         | 21.53                 | 21.23                    | 21.26                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3480                  | 3500.01                  | 3520.02                | 23.0                | 0.0      |  |
| 60                | QPSK       | 1       | 1         | 21.24                 | 21.35                    | 21.21                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3475.02               | 3500.01                  | 3525                   | 23.0                | 0.0      |  |
| 50                | QPSK       | 1       | 1         | 21.32                 | 21.25                    | 21.16                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 23.0                | 0.0      |  |
| 40                | QPSK       | 1       | 1         | 21.41                 | 21.26                    | 21.44                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 631000                | 633334                   | 636668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3465                  | 3500.01                  | 3535.02                | 23.0                | 0.0      |  |
| 30                | QPSK       | 1       | 1         | 21.22                 | 21.42                    | 21.39                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)   |            |         |           | 3460.02               | 3500.01                  | 3540                   | 23.0                | 0.0      |  |
| 20                | QPSK       | 1       | 1         | 21.45                 | 21.32                    | 21.35                  | 23.0                | 0.0      |  |

| Part27Q n78 HPUE Ant 5 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                    | Pv2 BPSK   | 1       | 1         | 24.54                 |                          |                        |                     |          |  |
| 100                    | Pv2 BPSK   | 1       | 137       | 24.47                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pv2 BPSK   | 1       | 271       | 24.49                 |                          |                        |                     |          |  |
| 100                    | Pv2 BPSK   | 135     | 0         | 24.45                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pv2 BPSK   | 135     | 69        | 24.46                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pv2 BPSK   | 135     | 138       | 23.97                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pv2 BPSK   | 270     | 0         | 23.97                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 1       | 1         | 24.57                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 24.53                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 271       | 24.41                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 24.23                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 69        | 24.44                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       | 24.25                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 270     | 0         | 23.51                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | 16QAM      | 1       | 1         | 23.09                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | 64QAM      | 1       | 1         | 21.56                 |                          |                        | 23.5                | 2.5      |  |
| 100                    | 256QAM     | 1       | 1         | 19.57                 |                          |                        | 21.5                | 4.5      |  |
| Channel                |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3495                  | 3500.01                  | 3505.02                | 26.0                | 0.0      |  |
| 90                     | QPSK       | 1       | 1         | 24.36                 | 24.46                    | 24.43                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3490.02               | 3500.01                  | 3510                   | 26.0                | 0.0      |  |
| 80                     | QPSK       | 1       | 1         | 24.37                 | 24.42                    | 24.32                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01                  | 3515.01                | 26.0                | 0.0      |  |
| 70                     | QPSK       | 1       | 1         | 24.47                 | 24.59                    | 24.25                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3480                  | 3500.01                  | 3520.02                | 26.0                | 0.0      |  |
| 60                     | QPSK       | 1       | 1         | 24.28                 | 24.51                    | 24.42                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3475.02               | 3500.01                  | 3525                   | 26.0                | 0.0      |  |
| 50                     | QPSK       | 1       | 1         | 24.41                 | 24.41                    | 24.34                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 26.0                | 0.0      |  |
| 40                     | QPSK       | 1       | 1         | 24.40                 | 24.41                    | 24.34                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631000                | 633334                   | 636668                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                  | 3535.02                | 26.0                | 0.0      |  |
| 30                     | QPSK       | 1       | 1         | 24.29                 | 24.55                    | 24.25                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3540                   | 26.0                | 0.0      |  |
| 20                     | QPSK       | 1       | 1         | 24.41                 | 24.48                    | 24.28                  | 26.0                | 0.0      |  |

| n7 Ant 6        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |
| 20              | PV2 BPSK   | 1       | 1         | 22.15                 | 22.19                    | 22.12                  | 23.0                | 0.0      |
| 20              | PV2 BPSK   | 1       | 53        | 22.09                 | 22.16                    | 22.06                  |                     |          |
| 20              | PV2 BPSK   | 1       | 104       | 22.00                 | 22.11                    | 21.96                  |                     |          |
| 20              | PV2 BPSK   | 50      | 0         | 21.43                 | 21.50                    | 21.36                  | 22.5                | 0.5      |
| 20              | PV2 BPSK   | 50      | 28        | 22.03                 | 22.12                    | 21.99                  | 23.0                | 0.0      |
| 20              | PV2 BPSK   | 50      | 56        | 21.36                 | 21.42                    | 21.29                  | 22.5                | 0.5      |
| 20              | PV2 BPSK   | 100     | 0         | 21.36                 | 21.45                    | 21.37                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.20                 | 22.21                    | 22.22                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.06                 | 22.23                    | 22.16                  |                     |          |
| 20              | QPSK       | 1       | 104       | 22.06                 | 22.18                    | 22.12                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.09                 | 21.16                    | 21.12                  | 22.0                | 1.0      |
| 20              | QPSK       | 50      | 28        | 22.15                 | 22.18                    | 22.12                  | 23.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 20.90                 | 20.97                    | 20.94                  | 22.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 20.92                 | 21.06                    | 20.94                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.00                 | 21.14                    | 21.05                  | 22.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 19.74                 | 19.81                    | 19.68                  | 20.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 17.58                 | 17.59                    | 17.46                  | 18.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2635                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 22.13                 | 22.19                    | 22.08                  | 23.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2635                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 22.10                 | 22.21                    | 22.10                  | 23.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2635                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 22.03                 | 22.14                    | 22.06                  | 23.0                | 0.0      |



| n38 Ant 6       |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 518004                | 518000                   | 518996                 |          |
| Frequency (MHz) |            |         |           | 2560.02               | 2565                     | 2569.98                |          |
| 40              | PI2 BPSK   | 1       | 1         | 21.96                 | 22.07                    | 21.99                  |          |
| 40              | PI2 BPSK   | 1       | 53        | 21.87                 | 21.98                    | 21.96                  | 23.0     |
| 40              | PI2 BPSK   | 1       | 104       | 21.82                 | 21.97                    | 21.94                  |          |
| 40              | PI2 BPSK   | 50      | 0         | 21.34                 | 21.47                    | 21.31                  | 22.5 0.5 |
| 40              | PI2 BPSK   | 50      | 28        | 21.92                 | 21.99                    | 21.96                  | 23.0 0.0 |
| 40              | PI2 BPSK   | 50      | 56        | 21.22                 | 21.35                    | 21.30                  | 22.5 0.5 |
| 40              | PI2 BPSK   | 100     | 0         | 21.29                 | 21.42                    | 21.27                  |          |
| 40              | QPSK       | 1       | 1         | 22.06                 | 22.15                    | 22.04                  |          |
| 40              | QPSK       | 1       | 53        | 22.06                 | 22.08                    | 21.99                  | 23.0 0.0 |
| 40              | QPSK       | 1       | 104       | 21.95                 | 22.01                    | 21.97                  |          |
| 40              | QPSK       | 50      | 0         | 20.77                 | 20.88                    | 20.81                  | 22.0 1.0 |
| 40              | QPSK       | 50      | 28        | 21.96                 | 22.05                    | 22.02                  | 23.0 0.0 |
| 40              | QPSK       | 50      | 56        | 20.72                 | 20.87                    | 20.77                  | 22.0 1.0 |
| 40              | QPSK       | 100     | 0         | 20.91                 | 20.98                    | 20.84                  |          |
| 40              | 16QAM      | 1       | 1         | 20.89                 | 21.05                    | 20.98                  | 22.0 1.0 |
| 40              | 64QAM      | 1       | 1         | 19.87                 | 19.70                    | 19.61                  | 20.5 2.5 |
| 40              | 256QAM     | 1       | 1         | 17.54                 | 17.78                    | 17.69                  | 18.5 4.5 |
| Channel         |            |         |           | 517002                | 518000                   | 520000                 |          |
| Frequency (MHz) |            |         |           | 2585.01               | 2585                     | 2604.99                |          |
| 30              | QPSK       | 1       | 1         | 21.95                 | 22.12                    | 21.89                  | 23.0 0.0 |
| Channel         |            |         |           | 516000                | 518000                   | 520000                 |          |
| Frequency (MHz) |            |         |           | 2640                  | 2645                     | 2610                   |          |
| 20              | QPSK       | 1       | 1         | 21.98                 | 22.05                    | 21.90                  | 23.0 0.0 |

| n41 Ant 6       |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2552.98                  | 2640                   |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.18                 | 22.20                    | 21.98                  |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.15                 | 22.19                    | 21.91                  | 23.0 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 22.21                 | 22.24                    | 21.99                  |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.74                 | 21.85                    | 21.56                  | 22.5 0.5 |
| 100             | PI2 BPSK   | 135     | 69        | 22.17                 | 22.14                    | 22.00                  | 23.0 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 21.95                 | 21.74                    | 21.56                  | 22.5 0.5 |
| 100             | PI2 BPSK   | 270     | 0         | 21.88                 | 21.84                    | 21.50                  |          |
| 100             | QPSK       | 1       | 1         | 22.28                 | 22.35                    | 22.08                  |          |
| 100             | QPSK       | 1       | 137       | 22.32                 | 22.19                    | 21.84                  | 23.0 0.0 |
| 100             | QPSK       | 1       | 271       | 22.10                 | 21.82                    | 22.03                  |          |
| 100             | QPSK       | 135     | 0         | 21.24                 | 21.42                    | 21.07                  | 22.0 1.0 |
| 100             | QPSK       | 135     | 69        | 22.02                 | 22.25                    | 22.10                  | 23.0 0.0 |
| 100             | QPSK       | 135     | 138       | 21.39                 | 21.30                    | 21.13                  | 22.0 1.0 |
| 100             | QPSK       | 270     | 0         | 21.38                 | 21.43                    | 21.37                  |          |
| 100             | 16QAM      | 1       | 1         | 21.15                 | 21.41                    | 20.93                  | 22.0 1.0 |
| 100             | 64QAM      | 1       | 1         | 19.81                 | 19.97                    | 19.55                  | 20.5 2.5 |
| 100             | 256QAM     | 1       | 1         | 17.07                 | 17.96                    | 17.72                  | 18.5 4.5 |
| Channel         |            |         |           | 505200                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |          |
| 90              | QPSK       | 1       | 1         | 21.97                 | 21.89                    | 21.93                  | 23.0 0.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2630.02               | 2592.99                  | 2655                   |          |
| 80              | QPSK       | 1       | 1         | 21.83                 | 22.07                    | 22.02                  | 23.0 0.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 70              | QPSK       | 1       | 1         | 21.83                 | 21.88                    | 21.83                  | 23.0 0.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |          |
| Frequency (MHz) |            |         |           | 2626                  | 2592.99                  | 2659.98                |          |
| 60              | QPSK       | 1       | 1         | 22.02                 | 21.99                    | 22.00                  | 23.0 0.0 |
| Channel         |            |         |           | 502203                | 518998                   | 532998                 |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |          |
| 50              | QPSK       | 1       | 1         | 21.86                 | 22.07                    | 21.99                  | 23.0 0.0 |
| Channel         |            |         |           | 503202                | 518998                   | 534000                 |          |
| Frequency (MHz) |            |         |           | 2616.01               | 2592.99                  | 2670                   |          |
| 40              | QPSK       | 1       | 1         | 21.98                 | 22.10                    | 21.83                  | 23.0 0.0 |
| Channel         |            |         |           | 502200                | 518998                   | 534998                 |          |
| Frequency (MHz) |            |         |           | 2611                  | 2592.99                  | 2674.98                |          |
| 30              | QPSK       | 1       | 1         | 21.90                 | 22.08                    | 22.04                  | 23.0 0.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535998                 |          |
| Frequency (MHz) |            |         |           | 2606.02               | 2592.99                  | 2679.99                |          |
| 20              | QPSK       | 1       | 1         | 21.99                 | 21.98                    | 21.82                  | 23.0 0.0 |

| n41 HPUE Ant 6  |            |         |           |                       |                          |                        |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |          |
| Channel         |            |         |           | 509202                | 518998                   | 528000                 |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2552.98                  | 2640                   |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.09                 | 24.08                    | 23.91                  |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.27                 | 24.07                    | 24.01                  | 25.0 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 23.94                 | 24.19                    | 24.06                  |          |
| 100             | PI2 BPSK   | 135     | 0         | 23.56                 | 23.92                    | 23.29                  | 24.5 0.5 |
| 100             | PI2 BPSK   | 135     | 69        | 24.05                 | 23.94                    | 24.08                  | 25.0 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 23.92                 | 23.53                    | 23.76                  | 24.5 0.5 |
| 100             | PI2 BPSK   | 270     | 0         | 23.92                 | 23.65                    | 23.50                  |          |
| 100             | QPSK       | 1       | 1         | 24.14                 | 24.39                    | 24.01                  |          |
| 100             | QPSK       | 1       | 137       | 24.02                 | 23.88                    | 23.86                  | 25.0 0.0 |
| 100             | QPSK       | 1       | 271       | 24.05                 | 23.76                    | 23.98                  |          |
| 100             | QPSK       | 135     | 0         | 23.21                 | 23.28                    | 23.01                  | 24.0 1.0 |
| 100             | QPSK       | 135     | 69        | 23.70                 | 23.93                    | 23.86                  | 25.0 0.0 |
| 100             | QPSK       | 135     | 138       | 23.10                 | 23.37                    | 22.99                  | 24.0 1.0 |
| 100             | QPSK       | 270     | 0         | 22.91                 | 23.07                    | 22.85                  |          |
| 100             | 16QAM      | 1       | 1         | 23.32                 | 23.22                    | 22.98                  | 24.0 1.0 |
| 100             | 64QAM      | 1       | 1         | 21.58                 | 21.53                    | 21.39                  | 22.5 2.5 |
| 100             | 256QAM     | 1       | 1         | 19.70                 | 19.56                    | 19.59                  | 20.5 4.5 |
| Channel         |            |         |           | 505200                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2641                  | 2592.99                  | 2644.98                |          |
| 90              | QPSK       | 1       | 1         | 24.23                 | 24.16                    | 24.13                  | 25.0 0.0 |
| Channel         |            |         |           | 507204                | 518998                   | 529998                 |          |
| Frequency (MHz) |            |         |           | 2630.02               | 2592.99                  | 2655                   |          |
| 80              | QPSK       | 1       | 1         | 24.20                 | 24.30                    | 24.04                  | 25.0 0.0 |
| Channel         |            |         |           | 506202                | 518998                   | 531000                 |          |
| Frequency (MHz) |            |         |           | 2631.01               | 2592.99                  | 2655                   |          |
| 70              | QPSK       | 1       | 1         | 24.23                 | 24.18                    | 24.03                  | 25.0 0.0 |
| Channel         |            |         |           | 505200                | 518998                   | 531998                 |          |
| Frequency (MHz) |            |         |           | 2626                  | 2592.99                  | 2659.98                |          |
| 60              | QPSK       | 1       | 1         | 24.14                 | 24.13                    | 24.13                  | 25.0 0.0 |
| Channel         |            |         |           | 502203                | 518998                   | 532998                 |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |          |
| 50              | QPSK       | 1       | 1         | 24.25                 | 24.18                    | 24.10                  | 25.0 0.0 |
| Channel         |            |         |           | 503202                | 518998                   | 534000                 |          |
| Frequency (MHz) |            |         |           | 2616.01               | 2592.99                  | 2670                   |          |
| 40              | QPSK       | 1       | 1         | 24.20                 | 24.34                    | 24.04                  | 25.0 0.0 |
| Channel         |            |         |           | 502200                | 518998                   | 534998                 |          |
| Frequency (MHz) |            |         |           | 2611                  | 2592.99                  | 2674.98                |          |
| 30              | QPSK       | 1       | 1         | 24.27                 | 24.16                    | 24.06                  | 25.0 0.0 |
| Channel         |            |         |           | 501204                | 518998                   | 535998                 |          |
| Frequency (MHz) |            |         |           | 2606.02               | 2592.99                  | 2679.99                |          |
| 20              | QPSK       | 1       | 1         | 24.12                 | 24.14                    | 24.16                  | 25.0 0.0 |



Part270 n77 Ant 6

| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 22.30                       | 22.44                          | 22.58                        | 23.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 22.11                       | 22.29                          | 22.32                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 22.09                       | 22.28                          | 22.10                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 21.78                       | 21.87                          | 21.84                        | 22.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 22.42                       | 22.43                          | 22.33                        | 23.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 21.86                       | 21.75                          | 21.84                        | 22.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 21.83                       | 21.84                          | 21.82                        | 23.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 22.21                       | 22.25                          | 22.15                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.10                       | 22.24                          | 22.17                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.05                       | 22.19                          | 22.11                        |                        |             |
| 100             | QPSK       | 135     | 0         | 20.92                       | 21.06                          | 20.97                        | 22.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 22.11                       | 22.23                          | 22.10                        | 23.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 20.94                       | 21.04                          | 21.02                        | 22.0                   | 1.0         |
| 100             | QPSK       | 270     | 0         | 21.75                       | 21.76                          | 21.75                        | 22.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 21.06                       | 21.12                          | 21.03                        | 22.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         | 19.89                       | 19.79                          | 19.67                        | 20.5                   | 2.5         |
| 100             | 256QAM     | 1       | 1         | 17.09                       | 17.73                          | 17.68                        | 18.5                   | 4.5         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      | 23.0                   | 0.0         |
| 80              | Pl2 BPSK   | 1       | 1         | 22.12                       | 22.21                          | 22.07                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3738.02                     | 3840                           | 3940.01                      | 23.0                   | 0.0         |
| 60              | Pl2 BPSK   | 1       | 1         | 22.15                       | 22.19                          | 22.11                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         | 23.0                   | 0.0         |
| 40              | Pl2 BPSK   | 1       | 1         | 22.15                       | 22.17                          | 22.09                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      | 23.0                   | 0.0         |
| 30              | Pl2 BPSK   | 1       | 1         | 22.05                       | 22.23                          | 22.09                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      | 23.0                   | 0.0         |
| 20              | Pl2 BPSK   | 1       | 1         | 22.07                       | 22.15                          | 22.17                        | 23.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 24.51                       | 24.53                          | 24.29                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 24.04                       | 24.04                          | 26.17                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 23.92                       | 24.14                          | 23.81                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 23.33                       | 23.39                          | 23.24                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 24.10                       | 24.24                          | 23.95                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 23.15                       | 23.04                          | 23.09                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 23.10                       | 23.25                          | 23.23                        | 25.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 23.39                       | 23.57                          | 23.52                        |                        |             |
| 100             | QPSK       | 1       | 137       | 23.06                       | 23.23                          | 23.12                        |                        |             |
| 100             | QPSK       | 1       | 271       | 23.10                       | 23.24                          | 23.06                        |                        |             |
| 100             | QPSK       | 135     | 0         | 22.27                       | 22.55                          | 22.26                        | 24.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 23.18                       | 23.23                          | 23.18                        | 25.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 22.19                       | 22.23                          | 21.96                        | 24.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 22.06                       | 22.18                          | 22.24                        | 25.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 23.09                       | 23.32                          | 23.01                        | 25.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         | 21.28                       | 21.48                          | 21.14                        | 23.0                   | 3.0         |
| 100             | 256QAM     | 1       | 1         | 19.71                       | 19.61                          | 19.61                        | 21.5                   | 4.5         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      | 26.0                   | 0.0         |
| 80              | Pl2 BPSK   | 1       | 1         | 24.27                       | 24.21                          | 24.21                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3738.02                     | 3840                           | 3940.01                      | 26.0                   | 0.0         |
| 60              | Pl2 BPSK   | 1       | 1         | 24.23                       | 24.39                          | 24.19                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         | 26.0                   | 0.0         |
| 40              | Pl2 BPSK   | 1       | 1         | 24.25                       | 24.19                          | 24.09                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      | 26.0                   | 0.0         |
| 30              | Pl2 BPSK   | 1       | 1         | 24.10                       | 24.21                          | 24.26                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      | 26.0                   | 0.0         |
| 20              | Pl2 BPSK   | 1       | 1         | 24.20                       | 24.16                          | 24.17                        | 26.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750.01                     | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 22.23                       | 22.23                          | 22.23                        | 23.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 21.71                       | 21.71                          | 21.71                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 21.68                       | 21.68                          | 21.68                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 20.84                       | 20.84                          | 20.84                        | 22.0                   | 1.0         |
| 100             | Pl2 BPSK   | 135     | 69        | 22.14                       | 22.14                          | 22.14                        | 23.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 20.69                       | 20.69                          | 20.69                        | 22.0                   | 1.0         |
| 100             | Pl2 BPSK   | 270     | 0         | 20.71                       | 20.71                          | 20.71                        | 22.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 21.15                       | 21.15                          | 21.15                        |                        |             |
| 100             | QPSK       | 1       | 137       | 20.86                       | 20.86                          | 20.86                        |                        |             |
| 100             | QPSK       | 1       | 271       | 20.82                       | 20.82                          | 20.82                        |                        |             |
| 100             | QPSK       | 135     | 0         | 19.75                       | 19.75                          | 19.75                        | 20.5                   | 2.5         |
| 100             | QPSK       | 135     | 69        | 21.27                       | 21.27                          | 21.27                        | 22.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 19.81                       | 19.81                          | 19.81                        | 20.5                   | 2.5         |
| 100             | QPSK       | 270     | 0         | 19.75                       | 19.75                          | 19.75                        | 21.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 20.21                       | 20.21                          | 20.21                        | 19.5                   | 3.5         |
| 100             | 64QAM      | 1       | 1         | 18.58                       | 18.58                          | 18.58                        | 18.0                   | 5.0         |
| 100             | 256QAM     | 1       | 1         | 17.15                       | 17.15                          | 17.15                        | 16.0                   | 6.0         |
| Channel         |            |         |           | 630968                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480.02                     | 3500.01                        | 3510                         | 23.0                   | 0.0         |
| 80              | Pl2 BPSK   | 1       | 1         | 22.05                       | 22.05                          | 22.20                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480                        | 3490.01                        | 3490.02                      | 23.0                   | 0.0         |
| 60              | Pl2 BPSK   | 1       | 1         | 22.18                       | 22.01                          | 22.07                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      | 23.0                   | 0.0         |
| 40              | Pl2 BPSK   | 1       | 1         | 22.02                       | 22.22                          | 22.10                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633334                         | 635968                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3465                        | 3500.01                        | 3535.02                      | 23.0                   | 0.0         |
| 30              | Pl2 BPSK   | 1       | 1         | 22.05                       | 22.09                          | 22.04                        | 23.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633334                         | 635000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3500.01                        | 3540                         | 23.0                   | 0.0         |
| 20              | Pl2 BPSK   | 1       | 1         | 22.03                       | 22.02                          | 22.09                        | 23.0                   | 0.0         |



| Part27Q n77 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 1         | 24.93                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 1       | 137       | 24.81                 |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 271       | 24.53                 |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         | 24.29                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 135     | 69        | 24.63                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 135     | 138       | 24.18                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 270     | 0         | 25.38                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 1       | 1         | 24.01                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 23.79                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 271       | 23.59                 |                          |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 135     | 0         | 23.22                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 69        | 23.82                 |                          |                        | 25.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 138       | 23.18                 |                          |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 270     | 0         | 23.47                 |                          |                        | 24.5                | 1.5      |  |
| 100                    | 16QAM      | 1       | 1         | 23.51                 |                          |                        |                     |          |  |
| 100                    | 64QAM      | 1       | 1         | 21.85                 |                          |                        | 23.0                | 3.0      |  |
| 100                    | 256QAM     | 1       | 1         | 20.05                 |                          |                        | 21.0                | 5.0      |  |
| Channel                |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3480.02               | 3500.01                  | 3510                   | 26.0                | 0.0      |  |
| 80                     | Pl2 BPSK   | 1       | 1         | 24.36                 | 24.41                    | 24.44                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3440                  | 3500.01                  | 3500.02                | 26.0                | 0.0      |  |
| 80                     | Pl2 BPSK   | 1       | 1         | 24.46                 | 24.50                    | 24.37                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 631334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 26.0                | 0.0      |  |
| 40                     | Pl2 BPSK   | 1       | 1         | 24.52                 | 24.44                    | 24.40                  | 23.0                | 0.0      |  |
| Channel                |            |         |           | 637000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                  | 3535.02                | 26.0                | 0.0      |  |
| 30                     | Pl2 BPSK   | 1       | 1         | 24.41                 | 24.37                    | 24.43                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 630000                | 633334                   | 630000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3540                   | 26.0                | 0.0      |  |
| 20                     | Pl2 BPSK   | 1       | 1         | 24.37                 | 24.47                    | 24.50                  | 26.0                | 0.0      |  |

| Part27O n78 Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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           |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)   |            |         |           | 3750                  |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 1         | 21.64                 |                          |                        | 23.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 1       | 137       | 21.05                 |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 271       | 20.98                 |                          |                        |                     |          |  |
| 100               | Pl2 BPSK   | 135     | 0         | 20.37                 |                          |                        | 22.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 135     | 69        | 21.05                 |                          |                        | 23.0                | 0.0      |  |
| 100               | Pl2 BPSK   | 135     | 138       | 20.07                 |                          |                        | 22.5                | 0.5      |  |
| 100               | Pl2 BPSK   | 270     | 0         | 20.29                 |                          |                        | 22.5                | 0.5      |  |
| 100               | QPSK       | 1       | 1         | 21.28                 |                          |                        |                     |          |  |
| 100               | QPSK       | 1       | 137       | 20.79                 |                          |                        |                     |          |  |
| 100               | QPSK       | 1       | 271       | 20.69                 |                          |                        | 21.5                | 1.5      |  |
| 100               | QPSK       | 135     | 0         | 20.06                 |                          |                        |                     |          |  |
| 100               | QPSK       | 135     | 69        | 20.82                 |                          |                        | 22.5                | 0.5      |  |
| 100               | QPSK       | 135     | 138       | 19.63                 |                          |                        | 21.5                | 1.5      |  |
| 100               | QPSK       | 270     | 0         | 20.11                 |                          |                        | 22.0                | 1.0      |  |
| 100               | 16QAM      | 1       | 1         | 20.77                 |                          |                        |                     |          |  |
| 100               | 64QAM      | 1       | 1         | 19.41                 |                          |                        | 20.5                | 2.5      |  |
| 100               | 256QAM     | 1       | 1         | 18.23                 |                          |                        | 18.5                | 4.5      |  |
| Channel           |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3745.02               | 3750                     | 3755.01                | 23.0                | 0.0      |  |
| 90                | Pl2 BPSK   | 1       | 1         | 21.62                 | 21.59                    | 21.54                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 648334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3740.01               | 3750                     | 3760.02                | 23.0                | 0.0      |  |
| 80                | Pl2 BPSK   | 1       | 1         | 21.07                 | 21.10                    | 21.11                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3735                  | 3750                     | 3765                   | 23.0                | 0.0      |  |
| 70                | Pl2 BPSK   | 1       | 1         | 21.03                 | 21.09                    | 21.09                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3730.02               | 3750                     | 3770.01                | 23.0                | 0.0      |  |
| 60                | Pl2 BPSK   | 1       | 1         | 20.45                 | 20.43                    | 20.47                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 648334                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3725.01               | 3750                     | 3775.02                | 23.0                | 0.0      |  |
| 50                | Pl2 BPSK   | 1       | 1         | 21.07                 | 21.10                    | 21.11                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720                  | 3750                     | 3780                   | 23.0                | 0.0      |  |
| 40                | Pl2 BPSK   | 1       | 1         | 20.12                 | 20.12                    | 20.11                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3715.02               | 3750                     | 3785.01                | 23.0                | 0.0      |  |
| 30                | Pl2 BPSK   | 1       | 1         | 20.37                 | 20.38                    | 20.38                  | 23.0                | 0.0      |  |
| Channel           |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3710.01               | 3750                     | 3790.02                | 23.0                | 0.0      |  |
| 20                | Pl2 BPSK   | 1       | 1         | 20.90                 | 20.88                    | 20.89                  | 23.0                | 0.0      |  |

| Part27O n78 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 3750                  |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 1         | 24.59                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 1       | 137       | 23.92                 |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 271       | 23.69                 |                          |                        |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         | 23.56                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 135     | 69        | 23.73                 |                          |                        | 26.0                | 0.0      |  |
| 100                    | Pl2 BPSK   | 135     | 138       | 23.30                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | Pl2 BPSK   | 270     | 0         | 23.04                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 1       | 1         | 23.56                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 23.62                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 271       | 22.71                 |                          |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 135     | 0         | 22.80                 |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 69        | 22.72                 |                          |                        | 25.5                | 0.5      |  |
| 100                    | QPSK       | 135     | 138       | 22.36                 |                          |                        | 24.0                | 2.0      |  |
| 100                    | QPSK       | 270     | 0         | 22.52                 |                          |                        | 24.5                | 1.5      |  |
| 100                    | 16QAM      | 1       | 1         | 22.89                 |                          |                        |                     |          |  |
| 100                    | 64QAM      | 1       | 1         | 21.89                 |                          |                        | 23.5                | 2.5      |  |
| 100                    | 256QAM     | 1       | 1         | 19.63                 |                          |                        | 21.5                | 4.5      |  |
| Channel                |            |         |           | 648668                | 650000                   | 650334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 3745.02               | 3750                     | 3755.01                | 26.0                | 0.0      |  |
| 90                     | Pl2 BPSK   | 1       | 1         | 24.16                 | 24.11                    | 24.02                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 648334                | 650000                   | 650668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 3740.01               | 3750                     | 3760.02                | 26.0                | 0.0      |  |
| 80                     | Pl2 BPSK   | 1       | 1         | 24.02                 | 24.11                    | 23.93                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 3735                  | 3750                     | 3765                   | 26.0                | 0.0      |  |
| 70                     | Pl2 BPSK   | 1       | 1         | 24.01                 | 24.01                    | 24.10                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 3730.02               | 3750                     | 3770.01                | 26.0                | 0.0      |  |
| 60                     | Pl2 BPSK   | 1       | 1         | 24.02                 | 24.09                    | 23.89                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 3725.01               | 3750                     | 3775.02                | 26.0                | 0.0      |  |
| 50                     | Pl2 BPSK   | 1       | 1         | 24.11                 | 24.11                    | 23.94                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 3720                  | 3750                     | 3780                   | 26.0                | 0.0      |  |
| 40                     | Pl2 BPSK   | 1       | 1         | 24.16                 | 24.24                    | 23.90                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 3715.02               | 3750                     | 3785.01                | 26.0                | 0.0      |  |
| 30                     | Pl2 BPSK   | 1       | 1         | 23.89                 | 24.10                    | 23.97                  | 26.0                | 0.0      |  |
| Channel                |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)        |            |         |           | 3710.02               | 3750                     | 3790.02                | 26.0                | 0.0      |  |
| 20                     | Pl2 BPSK   | 1       | 1         | 24.06                 | 24.02                    | 24.01                  | 26.0                | 0.0      |  |



| Part27Q n78 Ant 6 |            |         |           |                      |                         |                       |                     |          |     |
|-------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|-----|
| 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              |                         |                       |                     |          |     |
| Frequency (MHz)   |            |         |           | 22.03                |                         |                       |                     |          |     |
| 100               | PI2 BPSK   | 1       | 1         |                      | 22.01                   |                       | 23.0                | 0.0      |     |
| 100               | PI2 BPSK   | 1       | 137       |                      | 22.01                   |                       |                     |          |     |
| 100               | PI2 BPSK   | 1       | 271       |                      | 21.00                   |                       | 22.5                | 0.5      |     |
| 100               | PI2 BPSK   | 135     | 0         |                      | 21.85                   |                       | 23.0                | 0.5      |     |
| 100               | PI2 BPSK   | 135     | 138       |                      | 20.81                   |                       | 22.5                | 0.5      |     |
| 100               | PI2 BPSK   | 270     | 0         |                      | 20.95                   |                       |                     |          |     |
| 100               | QPSK       | 1       | 1         |                      | 21.84                   |                       |                     |          |     |
| 100               | QPSK       | 1       | 137       |                      | 21.78                   |                       | 22.5                | 0.5      |     |
| 100               | QPSK       | 1       | 271       |                      | 21.48                   |                       |                     |          |     |
| 100               | QPSK       | 135     | 0         |                      | 20.70                   |                       | 21.5                | 1.5      |     |
| 100               | QPSK       | 135     | 69        |                      | 21.61                   |                       | 22.5                | 0.5      |     |
| 100               | QPSK       | 135     | 138       |                      | 20.57                   |                       | 21.5                | 1.5      |     |
| 100               | QPSK       | 270     | 0         |                      | 20.76                   |                       |                     |          |     |
| 100               | 16QAM      | 1       | 1         |                      | 21.05                   |                       | 22.0                | 1.0      |     |
| 100               | 64QAM      | 1       | 1         |                      | 19.56                   |                       | 20.5                | 2.5      |     |
| 100               | 256QAM     | 1       | 1         |                      | 18.01                   |                       | 19.0                | 4.0      |     |
| Channel           |            |         |           | 633000               | 633334                  | 633668                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3495                 | 3500.01                 | 3505.02               |                     |          |     |
| 90                | PI2 BPSK   | 1       | 1         |                      | 22.02                   | 21.91                 | 21.88               | 23.0     | 0.0 |
| Channel           |            |         |           | 630968               | 633334                  | 634000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3499.02              | 3500.01                 | 3510.01               |                     |          |     |
| 80                | PI2 BPSK   | 1       | 1         |                      | 21.86                   | 21.97                 | 21.89               | 23.0     | 0.0 |
| Channel           |            |         |           | 632334               | 633334                  | 634334                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3485.01              | 3500.01                 | 3515.01               |                     |          |     |
| 70                | PI2 BPSK   | 1       | 1         |                      | 21.67                   | 21.69                 | 21.52               | 23.0     | 0.0 |
| Channel           |            |         |           | 632000               | 633334                  | 634968                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3480                 | 3500.01                 | 3520.02               |                     |          |     |
| 60                | PI2 BPSK   | 1       | 1         |                      | 21.88                   | 21.87                 | 21.97               | 23.0     | 0.0 |
| Channel           |            |         |           | 631668               | 633334                  | 635000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3475.02              | 3500.01                 | 3525                  |                     |          |     |
| 50                | PI2 BPSK   | 1       | 1         |                      | 21.98                   | 21.94                 | 21.94               | 23.0     | 0.0 |
| Channel           |            |         |           | 631334               | 633334                  | 635334                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3470.01              | 3500.01                 | 3530.01               |                     |          |     |
| 40                | PI2 BPSK   | 1       | 1         |                      | 21.90                   | 22.00                 | 21.92               | 23.0     | 0.0 |
| Channel           |            |         |           | 631000               | 633334                  | 636668                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3465                 | 3500.01                 | 3535.02               |                     |          |     |
| 30                | PI2 BPSK   | 1       | 1         |                      | 21.96                   | 21.98                 | 21.85               | 23.0     | 0.0 |
| Channel           |            |         |           | 630668               | 633334                  | 635000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)   |            |         |           | 3460.02              | 3500.01                 | 3540                  |                     |          |     |
| 20                | PI2 BPSK   | 1       | 1         |                      | 22.01                   | 21.90                 | 21.88               | 23.0     | 0.0 |

| Part27Q n78 HPUE Ant 6 |            |         |           |                       |                          |                        |                     |          |     |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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                |                          |                        |                     |          |     |
| Frequency (MHz)        |            |         |           | 3500.01               |                          |                        |                     |          |     |
| 100                    | PI2 BPSK   | 1       | 1         |                       | 24.79                    |                        | 26.0                | 0.0      |     |
| 100                    | PI2 BPSK   | 1       | 137       |                       | 24.67                    |                        |                     |          |     |
| 100                    | PI2 BPSK   | 1       | 271       |                       | 24.23                    |                        |                     |          |     |
| 100                    | PI2 BPSK   | 135     | 0         |                       | 24.69                    |                        | 25.5                | 0.5      | 0.5 |
| 100                    | PI2 BPSK   | 135     | 69        |                       | 24.23                    |                        | 25.5                | 0.5      | 0.5 |
| 100                    | PI2 BPSK   | 135     | 138       |                       | 24.05                    |                        | 25.5                | 0.5      | 0.5 |
| 100                    | PI2 BPSK   | 270     | 0         |                       | 24.15                    |                        | 25.5                | 0.5      | 0.5 |
| 100                    | QPSK       | 1       | 1         |                       | 23.93                    |                        | 25.0                | 1.0      |     |
| 100                    | QPSK       | 1       | 137       |                       | 23.98                    |                        |                     |          |     |
| 100                    | QPSK       | 1       | 271       |                       | 23.45                    |                        |                     |          |     |
| 100                    | QPSK       | 135     | 0         |                       | 23.30                    |                        | 24.0                | 2.0      | 2.0 |
| 100                    | QPSK       | 135     | 69        |                       | 23.69                    |                        | 25.0                | 1.0      | 1.0 |
| 100                    | QPSK       | 135     | 138       |                       | 23.19                    |                        | 24.0                | 2.0      | 2.0 |
| 100                    | QPSK       | 270     | 0         |                       | 23.23                    |                        | 24.0                | 2.0      | 2.0 |
| 100                    | 16QAM      | 1       | 1         |                       | 22.78                    |                        | 24.0                | 2.0      | 2.0 |
| 100                    | 64QAM      | 1       | 1         |                       | 21.71                    |                        | 23.0                | 3.0      | 3.0 |
| 100                    | 256QAM     | 1       | 1         |                       | 19.79                    |                        | 21.0                | 5.0      | 5.0 |
| Channel                |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90                     | PI2 BPSK   | 1       | 1         | 24.01                 | 24.52                    | 24.62                  | 26.0                | 0.0      | 0.0 |
| Channel                |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3499.02               | 3500.01                  | 3501.01                |                     |          |     |
| 80                     | PI2 BPSK   | 1       | 1         | 24.07                 | 24.62                    | 24.71                  | 26.0                | 0.0      | 0.0 |
| Channel                |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |     |
| 70                     | PI2 BPSK   | 1       | 1         | 24.07                 | 24.50                    | 24.57                  | 26.0                | 0.0      | 0.0 |
| Channel                |            |         |           | 632000                | 633334                   | 634968                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60                     | PI2 BPSK   | 1       | 1         | 24.04                 | 24.50                    | 24.63                  | 26.0                | 0.0      | 0.0 |
| Channel                |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50                     | PI2 BPSK   | 1       | 1         | 24.03                 | 24.54                    | 24.60                  | 26.0                | 0.0      | 0.0 |
| Channel                |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40                     | PI2 BPSK   | 1       | 1         | 24.01                 | 24.54                    | 24.69                  | 26.0                | 0.0      | 0.0 |
| Channel                |            |         |           | 631000                | 633334                   | 636668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |     |
| 30                     | PI2 BPSK   | 1       | 1         | 24.71                 | 24.49                    | 24.61                  | 26.0                | 0.0      | 0.0 |
| Channel                |            |         |           | 630668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20                     | PI2 BPSK   | 1       | 1         | 24.04                 | 24.59                    | 24.52                  | 26.0                | 0.0      | 0.0 |

| n7 Ant 7        |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |
| Frequency (MHz) |            |         |           | 2610                  | 2635                     | 2660                   |                     |          |
| 20              | PI2 BPSK   | 1       | 1         | 21.21                 | 21.35                    | 21.27                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 1       | 53        | 21.13                 | 21.29                    | 21.15                  |                     |          |
| 20              | PI2 BPSK   | 1       | 104       | 21.14                 | 21.25                    | 21.18                  | 22.5                | 0.5      |
| 20              | PI2 BPSK   | 50      | 0         | 20.82                 | 20.71                    | 20.81                  |                     |          |
| 20              | PI2 BPSK   | 50      | 28        | 21.19                 | 21.25                    | 21.25                  | 23.0                | 0.0      |
| 20              | PI2 BPSK   | 50      | 56        | 20.51                 | 20.63                    | 20.56                  | 22.5                | 0.5      |
| 20              | PI2 BPSK   | 100     | 0         | 20.52                 | 20.67                    | 20.58                  |                     |          |
| 20              | QPSK       | 1       | 1         | 21.33                 | 21.41                    | 21.33                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 53        | 21.23                 | 21.33                    | 21.27                  |                     |          |
| 20              | QPSK       | 1       | 104       | 21.25                 | 21.30                    | 21.19                  | 22.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 20.13                 | 20.22                    | 20.15                  |                     |          |
| 20              | QPSK       | 50      | 28        | 21.22                 | 21.34                    | 21.29                  | 23.0                | 0.0      |
| 20              | QPSK       | 50      | 56        | 20.02                 | 20.03                    | 20.01                  | 22.0                | 1.0      |
| 20              | QPSK       | 100     | 0         | 20.03                 | 20.05                    | 20.04                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 20.22                 | 20.32                    | 20.21                  | 22.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 18.82                 | 18.88                    | 18.82                  | 20.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 16.58                 | 16.71                    | 16.54                  | 18.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 21.25                 | 21.32                    | 21.28                  | 23.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 1         | 21.19                 | 21.27                    | 21.26                  | 23.0                | 0.0      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |
| 5               | QPSK       | 1       | 1         | 21.20                 | 21.33                    | 21.25                  | 23.0                | 0.0      |



| n38 Ant 7       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                   | 518000                      | 519996                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2580.02                  | 2595                        | 2599.98                   |                        |             |  |
| 40              | PV2 BPSK   | 1       | 1         | 19.91                    | 20.01                       | 19.82                     |                        |             |  |
| 40              | PV2 BPSK   | 1       | 53        | 19.90                    | 19.97                       | 19.91                     | 21.0                   | 0.0         |  |
| 40              | PV2 BPSK   | 1       | 104       | 19.92                    | 20.06                       | 19.90                     |                        |             |  |
| 40              | PV2 BPSK   | 50      | 0         | 19.48                    | 19.45                       | 19.45                     | 20.5                   | 0.5         |  |
| 40              | PV2 BPSK   | 50      | 28        | 19.87                    | 19.98                       | 19.94                     | 21.0                   | 0.0         |  |
| 40              | PV2 BPSK   | 50      | 58        | 19.81                    | 19.59                       | 19.44                     | 20.5                   | 0.5         |  |
| 40              | PV2 BPSK   | 100     | 0         | 19.80                    | 19.59                       | 19.46                     |                        |             |  |
| 40              | QPSK       | 1       | 1         | 20.03                    | 20.11                       | 20.00                     | 21.0                   | 0.0         |  |
| 40              | QPSK       | 1       | 53        | 19.88                    | 19.92                       | 19.88                     |                        |             |  |
| 40              | QPSK       | 1       | 104       | 19.91                    | 19.99                       | 19.91                     |                        |             |  |
| 40              | QPSK       | 50      | 0         | 18.99                    | 18.99                       | 18.98                     | 20.0                   | 1.0         |  |
| 40              | QPSK       | 50      | 28        | 20.00                    | 20.02                       | 19.99                     | 21.0                   | 0.0         |  |
| 40              | QPSK       | 50      | 58        | 18.93                    | 18.92                       | 18.95                     | 20.0                   | 1.0         |  |
| 40              | QPSK       | 100     | 0         | 18.97                    | 18.95                       | 18.97                     |                        |             |  |
| 40              | 16QAM      | 1       | 1         | 18.95                    | 18.97                       | 18.92                     | 20.0                   | 1.0         |  |
| 40              | 64QAM      | 1       | 1         | 17.52                    | 17.54                       | 17.45                     | 18.5                   | 2.5         |  |
| 40              | 256QAM     | 1       | 1         | 15.58                    | 15.57                       | 15.51                     | 16.5                   | 4.5         |  |
| Channel         |            |         |           | 517002                   | 518000                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2585.01                  | 2595                        | 2604.99                   |                        |             |  |
| 30              | QPSK       | 1       | 1         | 19.95                    | 19.97                       | 19.97                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 516000                   | 516000                      | 522000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 19.95                    | 20.00                       | 19.88                     | 21.0                   | 0.0         |  |

| n41 Ant 7       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PV2 BPSK   | 1       | 1         | 20.02                    | 20.09                       | 19.93                     |                        |             |  |
| 100             | PV2 BPSK   | 1       | 137       | 19.97                    | 20.02                       | 20.03                     | 21.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 1       | 271       | 20.04                    | 20.11                       | 20.03                     |                        |             |  |
| 100             | PV2 BPSK   | 135     | 0         | 19.58                    | 19.82                       | 19.58                     | 20.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 135     | 69        | 20.00                    | 20.06                       | 20.05                     | 21.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 135     | 138       | 19.65                    | 19.84                       | 19.58                     | 20.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 270     | 0         | 19.68                    | 19.82                       | 19.54                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 20.10                    | 20.15                       | 20.08                     | 21.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 137       | 20.00                    | 20.04                       | 19.94                     |                        |             |  |
| 100             | QPSK       | 1       | 271       | 19.99                    | 20.10                       | 20.05                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 19.06                    | 19.07                       | 19.06                     | 20.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 20.08                    | 20.10                       | 20.05                     | 21.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 19.05                    | 19.10                       | 19.02                     | 20.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 19.08                    | 19.13                       | 19.06                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 19.08                    | 19.09                       | 19.04                     | 20.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 17.61                    | 17.60                       | 17.58                     | 18.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 15.64                    | 15.69                       | 15.58                     | 16.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 19.99                    | 20.02                       | 19.94                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2538.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 19.95                    | 20.03                       | 19.95                     | 21.0                   | 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         | 19.95                    | 19.99                       | 20.00                     | 21.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2528                     | 2592.99                     | 2659.98                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 19.95                    | 20.05                       | 19.95                     | 21.0                   | 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         | 19.97                    | 20.02                       | 19.92                     | 21.0                   | 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         | 20.00                    | 20.00                       | 19.94                     | 21.0                   | 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         | 19.99                    | 20.08                       | 19.80                     | 21.0                   | 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         | 20.02                    | 20.01                       | 19.94                     | 21.0                   | 0.0         |  |

| n41 HPUE Ant 7  |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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                      | 520998                    |                        |             |  |
| Frequency (MHz) |            |         |           | 2548.01                  | 2592.99                     | 2640                      |                        |             |  |
| 100             | PV2 BPSK   | 1       | 1         | 21.83                    | 21.90                       | 21.80                     |                        |             |  |
| 100             | PV2 BPSK   | 1       | 137       | 21.82                    | 21.86                       | 21.78                     | 23.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 1       | 271       | 21.82                    | 21.83                       | 21.87                     |                        |             |  |
| 100             | PV2 BPSK   | 135     | 0         | 21.47                    | 21.47                       | 21.50                     | 22.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 135     | 69        | 21.87                    | 21.85                       | 21.89                     | 23.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 135     | 138       | 21.41                    | 21.47                       | 21.45                     | 22.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 270     | 0         | 21.38                    | 21.51                       | 21.41                     |                        |             |  |
| 100             | QPSK       | 1       | 1         | 21.92                    | 21.96                       | 21.96                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 137       | 21.84                    | 21.86                       | 21.79                     |                        |             |  |
| 100             | QPSK       | 1       | 271       | 21.81                    | 21.90                       | 21.82                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 20.90                    | 20.99                       | 20.98                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 21.81                    | 21.88                       | 21.85                     | 23.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 20.91                    | 20.90                       | 20.93                     | 22.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 20.95                    | 20.97                       | 20.96                     |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 20.86                    | 20.96                       | 20.91                     | 22.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 18.64                    | 18.58                       | 19.50                     | 20.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 17.44                    | 17.46                       | 17.43                     | 18.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |             |  |
| 90              | QPSK       | 1       | 1         | 21.85                    | 21.91                       | 21.88                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 507204                   | 518598                      | 520998                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2538.02                  | 2592.99                     | 2643.99                   |                        |             |  |
| 80              | QPSK       | 1       | 1         | 21.77                    | 21.89                       | 21.85                     | 23.0                   | 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         | 21.82                    | 21.87                       | 21.81                     | 23.0                   | 0.0         |  |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2528                     | 2592.99                     | 2659.98                   |                        |             |  |
| 60              | QPSK       | 1       | 1         | 21.84                    | 21.86                       | 21.84                     | 23.0                   | 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         | 21.89                    | 21.86                       | 21.87                     | 23.0                   | 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         | 21.81                    | 21.87                       | 21.81                     | 23.0                   | 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         | 21.77                    | 21.83                       | 21.81                     | 23.0                   | 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         | 21.80                    | 21.87                       | 21.87                     | 23.0                   | 0.0         |  |



| n48 Part96 Ant 8 |            |         |           |                      |                         |                       |                     |          |  |
|------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| 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          |            |         |           | 636000               | 641666                  | 646332                |                     |          |  |
| Frequency (MHz)  |            |         |           | 3520                 | 3624.99                 | 3676.98               |                     |          |  |
| 40               | Pl2 BPSK   | 1       | 1         | 17.49                | 17.63                   | 17.56                 |                     |          |  |
| 40               | Pl2 BPSK   | 1       | 53        | 17.37                | 17.48                   | 17.51                 | 19.0                |          |  |
| 40               | Pl2 BPSK   | 1       | 104       | 17.33                | 17.51                   | 17.43                 |                     |          |  |
| 40               | Pl2 BPSK   | 50      | 0         | 17.36                | 17.45                   | 17.45                 | 19.0                |          |  |
| 40               | Pl2 BPSK   | 50      | 28        | 17.39                | 17.53                   | 17.45                 | 19.0                |          |  |
| 40               | Pl2 BPSK   | 50      | 56        | 17.43                | 17.48                   | 17.52                 | 19.0                |          |  |
| 40               | Pl2 BPSK   | 100     | 0         | 17.40                | 17.45                   | 17.40                 |                     |          |  |
| 40               | QPSK       | 1       | 1         | 17.42                | 17.47                   | 17.41                 |                     |          |  |
| 40               | QPSK       | 1       | 53        | 17.43                | 17.46                   | 17.43                 | 19.0                |          |  |
| 40               | QPSK       | 1       | 104       | 17.41                | 17.52                   | 17.45                 |                     |          |  |
| 40               | QPSK       | 50      | 0         | 17.42                | 17.50                   | 17.49                 | 19.0                |          |  |
| 40               | QPSK       | 50      | 28        | 16.97                | 17.10                   | 17.10                 | 19.0                |          |  |
| 40               | QPSK       | 50      | 56        | 17.44                | 17.30                   | 17.27                 | 19.0                |          |  |
| 40               | QPSK       | 100     | 0         | 17.40                | 17.50                   | 16.97                 | 19.0                |          |  |
| 40               | 16QAM      | 1       | 1         | 17.22                | 17.30                   | 17.28                 | 19.0                |          |  |
| 40               | 64QAM      | 1       | 1         | 17.18                | 17.31                   | 17.21                 | 19.0                |          |  |
| 40               | 256QAM     | 1       | 1         | 17.42                | 17.47                   | 17.46                 | 19.0                |          |  |
| Channel          |            |         |           | 637234               | 641666                  | 646000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 3560.01              | 3624.99                 | 3690                  |                     |          |  |
| 20               | Pl2 BPSK   | 1       | 1         | 17.40                | 17.46                   | 17.43                 | 19.0                |          |  |

| Part270 n77 Ant 8 |            |         |           |                      |                         |                       |                     |          |  |
|-------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| 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               | Pl2 BPSK   | 1       | 1         | 16.58                | 16.60                   | 16.56                 |                     |          |  |
| 100               | Pl2 BPSK   | 1       | 137       | 16.58                | 16.56                   | 16.48                 | 18.0                |          |  |
| 100               | Pl2 BPSK   | 1       | 271       | 16.58                | 16.55                   | 16.53                 |                     |          |  |
| 100               | Pl2 BPSK   | 135     | 0         | 16.51                | 16.52                   | 16.50                 | 18.0                |          |  |
| 100               | Pl2 BPSK   | 135     | 69        | 16.52                | 16.55                   | 16.53                 | 18.0                |          |  |
| 100               | Pl2 BPSK   | 135     | 138       | 16.53                | 16.47                   | 16.52                 | 18.0                |          |  |
| 100               | Pl2 BPSK   | 270     | 0         | 16.45                | 16.51                   | 16.48                 |                     |          |  |
| 100               | QPSK       | 1       | 1         | 16.47                | 16.49                   | 16.47                 |                     |          |  |
| 100               | QPSK       | 1       | 137       | 16.55                | 16.50                   | 16.56                 | 18.0                |          |  |
| 100               | QPSK       | 1       | 271       | 16.45                | 16.48                   | 16.44                 |                     |          |  |
| 100               | QPSK       | 135     | 0         | 16.41                | 16.38                   | 16.45                 | 18.0                |          |  |
| 100               | QPSK       | 135     | 69        | 16.44                | 16.43                   | 16.42                 | 18.0                |          |  |
| 100               | QPSK       | 135     | 138       | 16.48                | 16.40                   | 16.47                 | 18.0                |          |  |
| 100               | QPSK       | 270     | 0         | 16.35                | 16.43                   | 16.40                 | 18.0                |          |  |
| 100               | 16QAM      | 1       | 1         | 16.52                | 16.52                   | 16.48                 | 18.0                |          |  |
| 100               | 64QAM      | 1       | 1         | 16.08                | 16.13                   | 16.04                 | 18.0                |          |  |
| 100               | 256QAM     | 1       | 1         | 15.29                | 15.42                   | 15.49                 | 17.0                |          |  |
| Channel           |            |         |           | 645334               | 650000                  | 655666                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3740.01              | 3840                    | 3940.02               |                     |          |  |
| 80                | Pl2 BPSK   | 1       | 1         | 16.46                | 16.44                   | 16.41                 | 18.0                |          |  |
| Channel           |            |         |           | 646668               | 656000                  | 663334                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720.02              | 3840                    | 3940.01               |                     |          |  |
| 60                | Pl2 BPSK   | 1       | 1         | 16.46                | 16.44                   | 16.44                 | 18.0                |          |  |
| Channel           |            |         |           | 648000               | 656000                  | 664000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3720                 | 3840                    | 3960                  |                     |          |  |
| 40                | Pl2 BPSK   | 1       | 1         | 16.53                | 16.43                   | 16.47                 | 18.0                |          |  |
| Channel           |            |         |           | 647668               | 656000                  | 664334                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3715.02              | 3840                    | 3965.01               |                     |          |  |
| 30                | Pl2 BPSK   | 1       | 1         | 16.54                | 16.51                   | 16.41                 | 18.0                |          |  |
| Channel           |            |         |           | 641334               | 650000                  | 658666                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 3710.01              | 3840                    | 3970.02               |                     |          |  |
| 20                | Pl2 BPSK   | 1       | 1         | 16.46                | 16.44                   | 16.46                 | 18.0                |          |  |

| Part270 n77 HPUE Ant 8 |            |         |           |                      |                         |                       |                     |          |  |
|------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|
| 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                    | Pl2 BPSK   | 1       | 1         | 16.55                | 16.49                   | 16.51                 |                     |          |  |
| 100                    | Pl2 BPSK   | 1       | 137       | 16.23                | 16.33                   | 16.24                 | 21.0                |          |  |
| 100                    | Pl2 BPSK   | 1       | 271       | 16.24                | 16.28                   | 16.29                 |                     |          |  |
| 100                    | Pl2 BPSK   | 135     | 0         | 16.24                | 16.32                   | 16.29                 | 21.0                |          |  |
| 100                    | Pl2 BPSK   | 135     | 69        | 16.32                | 16.46                   | 16.33                 | 21.0                |          |  |
| 100                    | Pl2 BPSK   | 135     | 138       | 16.27                | 16.34                   | 16.30                 | 21.0                |          |  |
| 100                    | Pl2 BPSK   | 270     | 0         | 16.25                | 16.33                   | 16.26                 |                     |          |  |
| 100                    | QPSK       | 1       | 1         | 16.24                | 16.35                   | 16.24                 |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 16.15                | 16.28                   | 16.16                 | 21.0                |          |  |
| 100                    | QPSK       | 1       | 271       | 16.20                | 16.21                   | 16.15                 |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 16.17                | 16.34                   | 16.24                 | 21.0                |          |  |
| 100                    | QPSK       | 135     | 69        | 16.24                | 16.26                   | 16.26                 | 21.0                |          |  |
| 100                    | QPSK       | 135     | 138       | 16.14                | 16.27                   | 16.15                 | 21.0                |          |  |
| 100                    | QPSK       | 270     | 0         | 16.10                | 16.24                   | 16.20                 | 21.0                |          |  |
| 100                    | 16QAM      | 1       | 1         | 16.19                | 16.20                   | 16.13                 | 21.0                |          |  |
| 100                    | 64QAM      | 1       | 1         | 16.14                | 16.10                   | 16.04                 | 21.0                |          |  |
| 100                    | 256QAM     | 1       | 1         | 16.36                | 16.50                   | 16.37                 | 20.0                |          |  |
| Channel                |            |         |           | 645334               | 650000                  | 655666                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3740.01              | 3840                    | 3940.02               |                     |          |  |
| 80                     | Pl2 BPSK   | 1       | 1         | 16.20                | 16.30                   | 16.12                 | 21.0                |          |  |
| Channel                |            |         |           | 646668               | 656000                  | 663334                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720.02              | 3840                    | 3940.01               |                     |          |  |
| 60                     | Pl2 BPSK   | 1       | 1         | 16.15                | 16.25                   | 16.11                 | 21.0                |          |  |
| Channel                |            |         |           | 648000               | 656000                  | 664000                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720                 | 3840                    | 3960                  |                     |          |  |
| 40                     | Pl2 BPSK   | 1       | 1         | 16.10                | 16.18                   | 16.10                 | 21.0                |          |  |
| Channel                |            |         |           | 647668               | 656000                  | 664334                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3715.02              | 3840                    | 3965.01               |                     |          |  |
| 30                     | Pl2 BPSK   | 1       | 1         | 16.09                | 16.29                   | 16.13                 | 21.0                |          |  |
| Channel                |            |         |           | 641334               | 650000                  | 658666                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3710.01              | 3840                    | 3970.02               |                     |          |  |
| 20                     | Pl2 BPSK   | 1       | 1         | 16.15                | 16.26                   | 16.10                 | 21.0                |          |  |



Part27Q n77 Ant 8

| 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) |            |         |           | 3500.01                     |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 17.75                       |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 1       | 137       | 17.71                       |                                |                              | 18.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 271       | 17.64                       |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 17.67                       |                                |                              | 18.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 69        | 17.71                       |                                |                              | 18.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 17.64                       |                                |                              | 18.0                   | 0.0         |
| 100             | Pl2 BPSK   | 270     | 0         | 17.68                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 17.67                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 137       | 17.69                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       | 17.60                       |                                |                              |                        |             |
| 100             | QPSK       | 135     | 0         | 17.58                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 135     | 69        | 17.68                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 17.60                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 270     | 0         | 17.56                       |                                |                              | 18.0                   | 0.0         |
| 100             | 16QAM      | 1       | 1         | 17.65                       |                                |                              | 18.0                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 17.58                       |                                |                              | 18.0                   | 0.0         |
| 100             | 256QAM     | 1       | 1         | 17.53                       |                                |                              | 18.0                   | 0.0         |
| Channel         |            |         |           | 632068                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480.02                     | 3500.01                        | 3510                         |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 17.68                       | 17.63                          | 17.69                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480                        | 3500.01                        | 3500.02                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 17.68                       | 17.62                          | 17.69                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 17.55                       | 17.55                          | 17.68                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 17.64                       | 17.61                          | 17.63                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 630000                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 17.63                       | 17.58                          | 17.66                        | 18.0                   | 0.0         |

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| 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) |            |         |           | 3500.01                     |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 20.21                       |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 1       | 137       | 20.04                       |                                |                              | 21.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 271       | 19.98                       |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 20.00                       |                                |                              | 21.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 69        | 20.20                       |                                |                              | 21.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 20.01                       |                                |                              | 21.0                   | 0.0         |
| 100             | Pl2 BPSK   | 270     | 0         | 20.00                       |                                |                              | 21.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 20.02                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 137       | 20.02                       |                                |                              | 21.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       | 19.96                       |                                |                              |                        |             |
| 100             | QPSK       | 135     | 0         | 19.99                       |                                |                              | 21.0                   | 0.0         |
| 100             | QPSK       | 135     | 69        | 20.03                       |                                |                              | 21.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 19.91                       |                                |                              | 21.0                   | 0.0         |
| 100             | QPSK       | 270     | 0         | 19.95                       |                                |                              | 21.0                   | 0.0         |
| 100             | 16QAM      | 1       | 1         | 20.06                       |                                |                              | 21.0                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 20.15                       |                                |                              | 21.0                   | 0.0         |
| 100             | 256QAM     | 1       | 1         | 19.75                       |                                |                              | 19.5                   | 1.5         |
| Channel         |            |         |           | 632068                      | 633334                         | 634000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480.02                     | 3500.01                        | 3510                         |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 19.48                       | 19.43                          | 19.53                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633334                         | 634668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480                        | 3500.01                        | 3500.02                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 19.40                       | 19.34                          | 19.42                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 19.48                       | 19.41                          | 19.47                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 19.44                       | 19.40                          | 19.42                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 630000                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 19.36                       | 19.39                          | 19.46                        | 21.0                   | 0.0         |

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| 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) |            |         |           | 3750                        |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 16.51                       |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 1       | 137       | 16.41                       |                                |                              | 18.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 271       | 16.44                       |                                |                              |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 16.45                       |                                |                              | 18.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 69        | 16.49                       |                                |                              | 18.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 16.35                       |                                |                              | 18.0                   | 0.0         |
| 100             | Pl2 BPSK   | 270     | 0         | 16.44                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 16.42                       |                                |                              |                        |             |
| 100             | QPSK       | 1       | 137       | 16.37                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       | 16.36                       |                                |                              |                        |             |
| 100             | QPSK       | 135     | 0         | 16.25                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 135     | 69        | 16.29                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 16.25                       |                                |                              | 18.0                   | 0.0         |
| 100             | QPSK       | 270     | 0         | 16.38                       |                                |                              | 18.0                   | 0.0         |
| 100             | 16QAM      | 1       | 1         | 16.43                       |                                |                              | 18.0                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 16.35                       |                                |                              | 18.0                   | 0.0         |
| 100             | 256QAM     | 1       | 1         | 14.86                       |                                |                              | 16.5                   | 1.5         |
| Channel         |            |         |           | 648668                      | 650000                         | 650334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3745.02                     | 3750                           | 3755.01                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 16.37                       | 16.45                          | 16.42                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 648334                      | 650000                         | 650668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3750                           | 3760.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 16.30                       | 16.42                          | 16.34                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 650000                         | 651000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3735                        | 3750                           | 3765                         |                        |             |
| 70              | Pl2 BPSK   | 1       | 1         | 16.34                       | 16.52                          | 16.29                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 650000                         | 651334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3730.02                     | 3750                           | 3770.01                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 16.26                       | 16.30                          | 16.34                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 648334                      | 650000                         | 651668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3725.01                     | 3750                           | 3775.02                      |                        |             |
| 50              | Pl2 BPSK   | 1       | 1         | 16.30                       | 16.37                          | 16.37                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 650000                         | 652000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3726                        | 3750                           | 3780                         |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 16.27                       | 16.36                          | 16.30                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 650000                         | 652334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3750                           | 3785.01                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 16.29                       | 16.38                          | 16.30                        | 18.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 650000                         | 652668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3750                           | 3790.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 16.27                       | 16.41                          | 16.37                        | 18.0                   | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.12                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.20                 |                          |                        | 21.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.22                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 19.18                 |                          |                        | 21.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 19.26                 |                          |                        | 21.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 19.24                 |                          |                        | 21.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.26                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.27                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 19.21                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.08                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 19.21                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.17                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.13                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.16                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.11                 |                          |                        | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.19                 |                          |                        | 21.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 17.41                 |                          |                        | 19.5                | 1.5      |
| Channel         |            |         |           | 640968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 90              | Pi2 BPSK   | 1       | 1         | 19.02                 | 19.21                    | 19.04                  | 21.0                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 650968                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3748.01               | 3750                     | 3760.02                |                     |          |
| 80              | Pi2 BPSK   | 1       | 1         | 19.09                 | 19.21                    | 19.07                  | 21.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3750                  | 3750                     | 3765                   |                     |          |
| 70              | Pi2 BPSK   | 1       | 1         | 19.14                 | 19.23                    | 19.09                  | 21.0                | 0.0      |
| Channel         |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3750.02               | 3750                     | 3770.01                |                     |          |
| 60              | Pi2 BPSK   | 1       | 1         | 19.09                 | 19.14                    | 19.05                  | 21.0                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50              | Pi2 BPSK   | 1       | 1         | 19.03                 | 19.23                    | 19.09                  | 21.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40              | Pi2 BPSK   | 1       | 1         | 19.13                 | 19.18                    | 19.00                  | 21.0                | 0.0      |
| Channel         |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |
| 30              | Pi2 BPSK   | 1       | 1         | 19.14                 | 19.22                    | 19.00                  | 21.0                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |
| 20              | Pi2 BPSK   | 1       | 1         | 19.07                 | 19.16                    | 19.08                  | 21.0                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 17.71                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 17.59                 |                          |                        | 18.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 17.50                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 17.54                 |                          |                        | 18.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 17.66                 |                          |                        | 18.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 17.58                 |                          |                        | 18.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 17.63                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 17.62                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 17.57                 |                          |                        | 18.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 17.53                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 17.51                 |                          |                        | 18.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 17.59                 |                          |                        | 18.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 17.51                 |                          |                        | 18.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 17.56                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 17.51                 |                          |                        | 18.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 17.09                 |                          |                        | 18.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 16.52                 |                          |                        | 17.0                | 1.0      |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |
| 90              | Pi2 BPSK   | 1       | 1         | 17.55                 | 17.48                    | 17.61                  | 18.0                | 0.0      |
| Channel         |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | Pi2 BPSK   | 1       | 1         | 17.54                 | 17.51                    | 17.52                  | 18.0                | 0.0      |
| Channel         |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |
| 70              | Pi2 BPSK   | 1       | 1         | 17.53                 | 17.51                    | 17.52                  | 18.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |
| 60              | Pi2 BPSK   | 1       | 1         | 17.52                 | 17.50                    | 17.62                  | 18.0                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |
| 50              | Pi2 BPSK   | 1       | 1         | 17.57                 | 17.57                    | 17.61                  | 18.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3520.01                |                     |          |
| 40              | Pi2 BPSK   | 1       | 1         | 17.61                 | 17.48                    | 17.52                  | 18.0                | 0.0      |
| Channel         |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30              | Pi2 BPSK   | 1       | 1         | 17.56                 | 17.47                    | 17.60                  | 18.0                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20              | Pi2 BPSK   | 1       | 1         | 17.51                 | 17.48                    | 17.58                  | 18.0                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 20.01                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.90                 |                          |                        | 21.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.94                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 19.87                 |                          |                        | 21.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 19.96                 |                          |                        | 21.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 19.91                 |                          |                        | 21.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.90                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.94                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 19.82                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.88                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 19.81                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.96                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.87                 |                          |                        | 21.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.86                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.92                 |                          |                        | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.88                 |                          |                        | 21.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.93                 |                          |                        | 20.0                | 1.0      |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |
| 90              | Pi2 BPSK   | 1       | 1         | 19.39                 | 19.27                    | 19.44                  | 21.0                | 0.0      |
| Channel         |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |
| 80              | Pi2 BPSK   | 1       | 1         | 19.37                 | 19.34                    | 19.30                  | 21.0                | 0.0      |
| Channel         |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |
| 70              | Pi2 BPSK   | 1       | 1         | 19.32                 | 19.35                    | 19.38                  | 21.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |
| 60              | Pi2 BPSK   | 1       | 1         | 19.36                 | 19.29                    | 19.36                  | 21.0                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |
| 50              | Pi2 BPSK   | 1       | 1         | 19.37                 | 19.34                    | 19.47                  | 21.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3520.01                |                     |          |
| 40              | Pi2 BPSK   | 1       | 1         | 19.41                 | 19.33                    | 19.35                  | 21.0                | 0.0      |
| Channel         |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |
| 30              | Pi2 BPSK   | 1       | 1         | 19.38                 | 19.34                    | 19.42                  | 21.0                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20              | Pi2 BPSK   | 1       | 1         | 19.31                 | 19.36                    | 19.40                  | 21.0                | 0.0      |



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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 23.31                       | 23.48                          | 23.42                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 23.22                       | 23.14                          | 23.17                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 23.04                       | 23.28                          | 23.11                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 23.08                       | 23.21                          | 23.10                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 23.19                       | 23.38                          | 23.22                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 22.99                       | 23.12                          | 23.04                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 22.81                       | 22.88                          | 22.83                        | 24.0                   | 0.0         |
| 100             | QPSK       | 1       | 1         | 22.45                       | 22.67                          | 22.50                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.31                       | 22.28                          | 22.24                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.38                       | 22.47                          | 22.21                        |                        |             |
| 100             | QPSK       | 135     | 0         | 21.58                       | 21.78                          | 21.74                        | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        | 22.24                       | 22.26                          | 22.11                        | 24.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 21.29                       | 21.35                          | 21.26                        | 23.0                   | 1.0         |
| 100             | QPSK       | 270     | 0         | 21.26                       | 21.41                          | 21.32                        | 23.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         | 21.85                       | 21.66                          | 21.59                        |                        |             |
| 100             | 64QAM      | 1       | 1         | 20.11                       | 20.15                          | 20.03                        |                        |             |
| 100             | 256QAM     | 1       | 1         | 18.58                       | 18.71                          | 18.72                        | 19.5                   | 4.5         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 23.30                       | 23.37                          | 23.32                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720.02                     | 3840                           | 3960.03                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 23.31                       | 23.42                          | 23.38                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 23.31                       | 23.37                          | 23.41                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 23.24                       | 23.40                          | 23.37                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 23.33                       | 23.41                          | 23.26                        | 24.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750                        | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 25.52                       | 25.62                          | 25.58                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 25.21                       | 25.27                          | 25.17                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 24.89                       | 25.00                          | 24.83                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 24.74                       | 24.91                          | 24.76                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 25.31                       | 25.43                          | 25.38                        | 26.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 24.53                       | 24.59                          | 24.48                        | 25.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 24.49                       | 24.51                          | 24.47                        | 25.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 24.58                       | 24.69                          | 24.52                        |                        |             |
| 100             | QPSK       | 1       | 137       | 24.17                       | 24.22                          | 24.13                        |                        |             |
| 100             | QPSK       | 1       | 271       | 24.10                       | 24.27                          | 24.06                        |                        |             |
| 100             | QPSK       | 135     | 0         | 23.56                       | 23.57                          | 23.38                        | 24.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 24.05                       | 24.13                          | 24.08                        | 25.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 23.08                       | 23.15                          | 23.11                        | 24.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 23.06                       | 23.21                          | 23.10                        | 24.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 23.05                       | 23.09                          | 23.02                        | 24.0                   | 2.0         |
| 100             | 64QAM      | 1       | 1         | 21.51                       | 21.65                          | 21.58                        | 22.5                   | 3.5         |
| 100             | 256QAM     | 1       | 1         | 19.54                       | 19.71                          | 19.54                        | 21.0                   | 5.0         |
| Channel         |            |         |           | 640000                      | 650000                         | 660000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3840                           | 3940.02                      |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 25.40                       | 25.59                          | 25.58                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720.02                     | 3840                           | 3960.03                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 25.43                       | 25.55                          | 25.57                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 648000                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3720                        | 3840                           | 3960                         |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 25.37                       | 25.48                          | 25.39                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647668                      | 656000                         | 663334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3840                           | 3965.01                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 25.41                       | 25.45                          | 25.49                        | 26.0                   | 0.0         |
| Channel         |            |         |           | 647334                      | 656000                         | 664000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3840                           | 3970.02                      |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 25.45                       | 25.53                          | 25.52                        | 26.0                   | 0.0         |

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| 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                      | 656000                         | 662000                       |                        |             |
| Frequency (MHz) |            |         |           | 3750.01                     | 3840                           | 3930                         |                        |             |
| 100             | Pl2 BPSK   | 1       | 1         | 23.77                       | 23.77                          | 23.77                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 1       | 137       | 23.37                       | 23.37                          | 23.37                        |                        |             |
| 100             | Pl2 BPSK   | 1       | 271       | 23.37                       | 23.37                          | 23.37                        |                        |             |
| 100             | Pl2 BPSK   | 135     | 0         | 23.39                       | 23.39                          | 23.39                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 135     | 69        | 23.63                       | 23.63                          | 23.63                        | 24.0                   | 0.0         |
| 100             | Pl2 BPSK   | 135     | 138       | 23.34                       | 23.34                          | 23.34                        | 23.5                   | 0.5         |
| 100             | Pl2 BPSK   | 270     | 0         | 23.18                       | 23.18                          | 23.18                        | 23.0                   | 1.0         |
| 100             | QPSK       | 1       | 1         | 22.85                       | 22.85                          | 22.85                        |                        |             |
| 100             | QPSK       | 1       | 137       | 22.46                       | 22.46                          | 22.46                        |                        |             |
| 100             | QPSK       | 1       | 271       | 22.56                       | 22.56                          | 22.56                        |                        |             |
| 100             | QPSK       | 135     | 0         | 22.09                       | 22.09                          | 22.09                        | 22.0                   | 2.0         |
| 100             | QPSK       | 135     | 69        | 22.59                       | 22.59                          | 22.59                        | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 138       | 21.52                       | 21.52                          | 21.52                        | 22.0                   | 2.0         |
| 100             | QPSK       | 270     | 0         | 21.59                       | 21.59                          | 21.59                        | 22.0                   | 2.0         |
| 100             | 16QAM      | 1       | 1         | 21.74                       | 21.74                          | 21.74                        | 20.5                   | 3.5         |
| 100             | 64QAM      | 1       | 1         | 20.19                       | 20.19                          | 20.19                        | 19.0                   | 5.0         |
| 100             | 256QAM     | 1       | 1         | 18.63                       | 18.63                          | 18.63                        |                        |             |
| Channel         |            |         |           | 630000                      | 633334                         | 636668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480.02                     | 3500.01                        | 3510                         |                        |             |
| 80              | Pl2 BPSK   | 1       | 1         | 23.02                       | 23.00                          | 23.51                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 630000                      | 633334                         | 636668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3480                        | 3490.01                        | 3500.02                      |                        |             |
| 60              | Pl2 BPSK   | 1       | 1         | 23.49                       | 23.67                          | 23.65                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633334                         | 635334                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3500.01                        | 3530.01                      |                        |             |
| 40              | Pl2 BPSK   | 1       | 1         | 23.63                       | 23.68                          | 23.62                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633334                         | 635668                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3465                        | 3500.01                        | 3535.02                      |                        |             |
| 30              | Pl2 BPSK   | 1       | 1         | 23.66                       | 23.72                          | 23.52                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633334                         | 636000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3500.01                        | 3540                         |                        |             |
| 20              | Pl2 BPSK   | 1       | 1         | 23.74                       | 23.67                          | 23.59                        | 24.0                   | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 24.53                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 137       | 24.82                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 271       | 24.56                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 24.21                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 24.80                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 24.36                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 24.32                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 1       | 1         | 23.97                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 23.91                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 23.82                 |                          |                        | 24.0                | 2.0      |
| 100             | QPSK       | 135     | 0         | 23.41                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 69        | 23.84                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 138       | 23.11                 |                          |                        | 24.0                | 2.0      |
| 100             | QPSK       | 270     | 0         | 23.20                 |                          |                        | 24.0                | 2.0      |
| 100             | 16QAM      | 1       | 1         | 23.07                 |                          |                        | 24.0                | 2.0      |
| 100             | 64QAM      | 1       | 1         | 21.07                 |                          |                        | 22.0                | 4.0      |
| 100             | 256QAM     | 1       | 1         | 20.02                 |                          |                        | 21.0                | 5.0      |
| Channel         |            |         |           | 630968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3510                   | 26.0                | 0.0      |
| 80              | Pl2 BPSK   | 1       | 1         | 24.79                 | 24.77                    | 24.74                  | 26.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3440                  | 3500.01                  | 3500.02                | 26.0                | 0.0      |
| 80              | Pl2 BPSK   | 1       | 1         | 24.76                 | 24.81                    | 24.76                  | 26.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3500.01                | 26.0                | 0.0      |
| 40              | Pl2 BPSK   | 1       | 1         | 24.59                 | 24.59                    | 24.76                  | 25.0                | 0.0      |
| Channel         |            |         |           | 637000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3485                  | 3500.01                  | 3535.02                | 26.0                | 0.0      |
| 30              | Pl2 BPSK   | 1       | 1         | 24.82                 | 24.79                    | 24.71                  | 26.0                | 0.0      |
| Channel         |            |         |           | 630000                | 633334                   | 630000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480.02               | 3500.01                  | 3540                   | 26.0                | 0.0      |
| 20              | Pl2 BPSK   | 1       | 1         | 24.72                 | 24.71                    | 24.81                  | 26.0                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 23.00                 |                          |                        | 24.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 137       | 23.12                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 271       | 23.08                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 22.81                 |                          |                        | 23.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 23.17                 |                          |                        | 24.0                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 22.76                 |                          |                        | 23.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 22.63                 |                          |                        | 23.0                | 1.0      |
| 100             | QPSK       | 1       | 1         | 22.15                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 21.89                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 22.05                 |                          |                        | 22.0                | 2.0      |
| 100             | QPSK       | 135     | 0         | 21.56                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 69        | 22.11                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 138       | 21.09                 |                          |                        | 22.0                | 2.0      |
| 100             | QPSK       | 270     | 0         | 21.17                 |                          |                        | 22.0                | 2.0      |
| 100             | 16QAM      | 1       | 1         | 21.30                 |                          |                        | 22.0                | 2.0      |
| 100             | 64QAM      | 1       | 1         | 19.79                 |                          |                        | 20.5                | 3.5      |
| 100             | 256QAM     | 1       | 1         | 18.28                 |                          |                        | 19.0                | 5.0      |
| Channel         |            |         |           | 640968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                | 24.0                | 0.0      |
| 90              | Pl2 BPSK   | 1       | 1         | 23.09                 | 23.03                    | 22.84                  | 24.0                | 0.0      |
| Channel         |            |         |           | 640334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                | 24.0                | 0.0      |
| 80              | Pl2 BPSK   | 1       | 1         | 23.09                 | 23.03                    | 22.96                  | 24.0                | 0.0      |
| Channel         |            |         |           | 640000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   | 24.0                | 0.0      |
| 70              | Pl2 BPSK   | 1       | 1         | 22.95                 | 23.13                    | 22.91                  | 24.0                | 0.0      |
| Channel         |            |         |           | 640668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                | 24.0                | 0.0      |
| 60              | Pl2 BPSK   | 1       | 1         | 23.07                 | 23.01                    | 23.00                  | 24.0                | 0.0      |
| Channel         |            |         |           | 640334                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                | 24.0                | 0.0      |
| 50              | Pl2 BPSK   | 1       | 1         | 22.97                 | 23.12                    | 22.96                  | 24.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   | 24.0                | 0.0      |
| 40              | Pl2 BPSK   | 1       | 1         | 23.11                 | 23.02                    | 22.92                  | 24.0                | 0.0      |
| Channel         |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750                     | 3785.01                | 24.0                | 0.0      |
| 30              | Pl2 BPSK   | 1       | 1         | 23.06                 | 23.04                    | 22.96                  | 24.0                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                | 24.0                | 0.0      |
| 20              | Pl2 BPSK   | 1       | 1         | 22.95                 | 23.15                    | 22.86                  | 24.0                | 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         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 1         | 23.07                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 1       | 137       | 23.12                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 1       | 271       | 23.08                 |                          |                        |                     |          |
| 100             | Pl2 BPSK   | 135     | 0         | 24.35                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 135     | 69        | 24.95                 |                          |                        | 26.0                | 0.0      |
| 100             | Pl2 BPSK   | 135     | 138       | 24.59                 |                          |                        | 25.5                | 0.5      |
| 100             | Pl2 BPSK   | 270     | 0         | 24.40                 |                          |                        | 25.0                | 1.0      |
| 100             | QPSK       | 1       | 1         | 24.15                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.06                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 24.08                 |                          |                        | 24.5                | 1.5      |
| 100             | QPSK       | 135     | 0         | 23.60                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 69        | 24.06                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 138       | 23.21                 |                          |                        | 24.5                | 1.5      |
| 100             | QPSK       | 270     | 0         | 23.31                 |                          |                        | 24.5                | 1.5      |
| 100             | 16QAM      | 1       | 1         | 23.21                 |                          |                        | 23.0                | 3.0      |
| 100             | 64QAM      | 1       | 1         | 21.73                 |                          |                        | 21.5                | 4.5      |
| 100             | 256QAM     | 1       | 1         | 20.19                 |                          |                        | 20.0                | 5.0      |
| Channel         |            |         |           | 640968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                | 26.0                | 0.0      |
| 90              | Pl2 BPSK   | 1       | 1         | 24.88                 | 24.39                    | 25.00                  | 26.0                | 0.0      |
| Channel         |            |         |           | 640334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                | 26.0                | 0.0      |
| 80              | Pl2 BPSK   | 1       | 1         | 24.91                 | 24.95                    | 24.98                  | 26.0                | 0.0      |
| Channel         |            |         |           | 640000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   | 26.0                | 0.0      |
| 70              | Pl2 BPSK   | 1       | 1         | 25.04                 | 24.56                    | 25.03                  | 26.0                | 0.0      |
| Channel         |            |         |           | 640668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                | 26.0                | 0.0      |
| 60              | Pl2 BPSK   | 1       | 1         | 24.85                 | 25.05                    | 24.85                  | 26.0                | 0.0      |
| Channel         |            |         |           | 640334                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                | 26.0                | 0.0      |
| 50              | Pl2 BPSK   | 1       | 1         | 25.00                 | 25.00                    | 24.91                  | 26.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   | 26.0                | 0.0      |
| 40              | Pl2 BPSK   | 1       | 1         | 24.83                 | 24.81                    | 24.98                  | 26.0                | 0.0      |
| Channel         |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750                     | 3785.01                | 26.0                | 0.0      |
| 30              | Pl2 BPSK   | 1       | 1         | 24.98                 | 24.90                    | 25.02                  | 26.0                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                | 26.0                | 0.0      |
| 20              | Pl2 BPSK   | 1       | 1         | 24.97                 | 25.02                    | 24.84                  | 26.0                | 0.0      |

| Part27Q n78 Ant 9 |            |         |           |                     |                        |                      |                     |                   |
|-------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|-------------------|
| 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              | 24.0                | 0.0               |
| Frequency (MHz)   |            |         |           | 23.33               |                        |                      |                     |                   |
| 100               | PI2 BPSK   | 1       | 1         | 23.43               |                        |                      |                     |                   |
| 100               | PI2 BPSK   | 1       | 137       | 23.33               |                        |                      |                     |                   |
| 100               | PI2 BPSK   | 1       | 271       | 23.17               |                        |                      | 23.5                | 0.5               |
| 100               | PI2 BPSK   | 135     | 0         | 23.39               |                        |                      | 24.0                | 0.0               |
| 100               | PI2 BPSK   | 135     | 69        | 23.00               |                        |                      | 23.5                | 0.5               |
| 100               | PI2 BPSK   | 135     | 138       | 22.88               |                        |                      |                     |                   |
| 100               | PI2 BPSK   | 270     | 0         | 22.42               |                        |                      | 23.0                | 1.0               |
| 100               | QPSK       | 1       | 1         | 22.25               |                        |                      |                     |                   |
| 100               | QPSK       | 1       | 137       | 22.22               |                        |                      |                     |                   |
| 100               | QPSK       | 1       | 271       | 21.76               |                        |                      |                     |                   |
| 100               | QPSK       | 135     | 0         | 22.39               |                        |                      | 22.0                | 2.0               |
| 100               | QPSK       | 135     | 69        | 21.37               |                        |                      | 23.0                | 1.0               |
| 100               | QPSK       | 135     | 138       | 21.27               |                        |                      | 22.0                | 2.0               |
| 100               | QPSK       | 270     | 0         | 21.59               |                        |                      | 22.0                | 2.0               |
| 100               | 16QAM      | 1       | 1         | 20.01               |                        |                      |                     |                   |
| 100               | 64QAM      | 1       | 1         | 18.50               |                        |                      | 20.5                | 3.5               |
| 100               | 256QAM     | 1       | 1         | 633330              |                        | 633668               | 19.0                | 5.0               |
| Channel           |            |         |           | 633334              |                        | 3500.01              | 24.0                | 0.0               |
| Frequency (MHz)   |            |         |           | 3485                |                        | 3505.02              |                     |                   |
| 90                | PI2 BPSK   | 1       | 1         | 23.36               |                        | 23.37                | 23.22               | 24.0              |
| Channel           |            |         |           | 632068              |                        | 633334               | 634000              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3480.02             |                        | 3500.01              | 3510                | (dB)              |
| Channel           |            |         |           | 632234              |                        | 633334               | 634334              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3483.01             |                        | 3500.01              | 3515.01             | (dB)              |
| 80                | PI2 BPSK   | 1       | 1         | 23.34               |                        | 23.32                | 23.29               | 24.0              |
| Channel           |            |         |           | 632000              |                        | 633334               | 634668              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3480                |                        | 3500.01              | 3520.02             | (dB)              |
| 60                | PI2 BPSK   | 1       | 1         | 23.36               |                        | 23.46                | 23.24               | 24.0              |
| Channel           |            |         |           | 631064              |                        | 633334               | 635000              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3475.02             |                        | 3500.01              | 3525                | (dB)              |
| 50                | PI2 BPSK   | 1       | 1         | 23.39               |                        | 23.42                | 23.25               | 24.0              |
| Channel           |            |         |           | 631334              |                        | 633334               | 635334              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3478.01             |                        | 3500.01              | 3528.01             | (dB)              |
| 40                | PI2 BPSK   | 1       | 1         | 23.23               |                        | 23.35                | 23.19               | 24.0              |
| Channel           |            |         |           | 631000              |                        | 633334               | 635668              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3465                |                        | 3500.01              | 3535.02             | (dB)              |
| 30                | PI2 BPSK   | 1       | 1         | 23.32               |                        | 23.44                | 23.21               | 24.0              |
| Channel           |            |         |           | 630505              |                        | 633334               | 636000              | Tune-up limit MPR |
| Frequency (MHz)   |            |         |           | 3460.02             |                        | 3500.01              | 3540                | (dB)              |
| 20                | PI2 BPSK   | 1       | 1         | 23.21               |                        | 23.35                | 23.43               | 24.0              |

| Part27Q n78 HPUE Ant 9 |            |         |           |                     |                        |                      |                     |                   |
|------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|-------------------|
| 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              | 26.0                | 0.0               |
| Frequency (MHz)        |            |         |           | 24.65               |                        |                      |                     |                   |
| 100                    | PI2 BPSK   | 1       | 1         | 24.62               |                        |                      |                     |                   |
| 100                    | PI2 BPSK   | 1       | 137       | 24.62               |                        |                      |                     |                   |
| 100                    | PI2 BPSK   | 1       | 271       | 24.17               |                        |                      | 25.5                | 0.5               |
| 100                    | PI2 BPSK   | 135     | 0         | 24.62               |                        |                      | 26.0                | 0.0               |
| 100                    | PI2 BPSK   | 135     | 69        | 24.26               |                        |                      | 25.5                | 0.5               |
| 100                    | PI2 BPSK   | 135     | 138       | 24.16               |                        |                      |                     |                   |
| 100                    | PI2 BPSK   | 270     | 0         | 23.92               |                        |                      | 25.0                | 1.0               |
| 100                    | QPSK       | 1       | 1         | 23.87               |                        |                      |                     |                   |
| 100                    | QPSK       | 1       | 137       | 23.81               |                        |                      |                     |                   |
| 100                    | QPSK       | 1       | 271       | 23.41               |                        |                      |                     |                   |
| 100                    | QPSK       | 135     | 0         | 23.88               |                        |                      | 24.5                | 1.5               |
| 100                    | QPSK       | 135     | 69        | 22.86               |                        |                      | 25.0                | 1.0               |
| 100                    | QPSK       | 135     | 138       | 22.56               |                        |                      | 24.5                | 1.5               |
| 100                    | QPSK       | 270     | 0         | 22.05               |                        |                      | 24.5                | 1.5               |
| 100                    | 16QAM      | 1       | 1         | 22.53               |                        |                      |                     |                   |
| 100                    | 64QAM      | 1       | 1         | 21.41               |                        |                      | 23.0                | 3.0               |
| 100                    | 256QAM     | 1       | 1         | 633330              |                        | 633668               | 21.5                | 4.5               |
| Channel                |            |         |           | 633334              |                        | 3500.01              | 26.0                | 0.0               |
| Frequency (MHz)        |            |         |           | 3485                |                        | 3505.02              |                     |                   |
| 90                     | PI2 BPSK   | 1       | 1         | 24.75               |                        | 24.70                | 24.82               | 26.0              |
| Channel                |            |         |           | 632068              |                        | 633334               | 634000              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3480.02             |                        | 3500.01              | 3510                | (dB)              |
| Channel                |            |         |           | 632234              |                        | 633334               | 634334              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3483.01             |                        | 3500.01              | 3515.01             | (dB)              |
| 80                     | PI2 BPSK   | 1       | 1         | 24.63               |                        | 24.73                | 24.69               | 26.0              |
| Channel                |            |         |           | 632000              |                        | 633334               | 634668              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3480                |                        | 3500.01              | 3520.02             | (dB)              |
| 60                     | PI2 BPSK   | 1       | 1         | 24.77               |                        | 24.81                | 24.60               | 26.0              |
| Channel                |            |         |           | 631064              |                        | 633334               | 635000              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3475.02             |                        | 3500.01              | 3525                | (dB)              |
| 50                     | PI2 BPSK   | 1       | 1         | 24.70               |                        | 24.83                | 24.66               | 26.0              |
| Channel                |            |         |           | 631334              |                        | 633334               | 635334              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3478.01             |                        | 3500.01              | 3528.01             | (dB)              |
| 40                     | PI2 BPSK   | 1       | 1         | 24.64               |                        | 24.80                | 24.77               | 26.0              |
| Channel                |            |         |           | 631000              |                        | 633334               | 635668              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3465                |                        | 3500.01              | 3535.02             | (dB)              |
| 30                     | PI2 BPSK   | 1       | 1         | 24.65               |                        | 24.69                | 24.69               | 26.0              |
| Channel                |            |         |           | 630505              |                        | 633334               | 636000              | Tune-up limit MPR |
| Frequency (MHz)        |            |         |           | 3460.02             |                        | 3500.01              | 3540                | (dB)              |
| 20                     | PI2 BPSK   | 1       | 1         | 24.81               |                        | 24.78                | 24.96               | 26.0              |

## DL CA Power

## 2CA DL

| CA List    | PCC     |      |       |               |        |      |           |                          |         | SCC     |       |               |       |                          | Power           |                 |
|------------|---------|------|-------|---------------|--------|------|-----------|--------------------------|---------|---------|-------|---------------|-------|--------------------------|-----------------|-----------------|
|            | LTE     | BW   | BW    | UL            | UL     | UL#  | UL        | DL Antenna Configuration |         | LTE     | BW    | DL            | DL    | DL Antenna Configuration | With CA         | Without CA      |
|            | Band    | Ant  | (MHz) | Freq. Channel | Mod.   | RB   | RB Offset |                          |         | Band    | (MHz) | Freq. Channel |       |                          | Tx. Power (dBm) | Tx. Power (dBm) |
|            |         |      | (MHz) |               |        |      |           |                          |         |         |       |               |       |                          |                 |                 |
| CA_2C      | Band 2  | Ant0 | 20M   | 1880          | 18900  | QPSK | 1         | 0                        | 4x4MIMO | Band 2  | 20M   | 1980          | 1098  | 4x4MIMO                  | 22.47           | 22.61           |
| CA_2A-4A   | Band 2  | Ant0 | 20M   | 1880          | 18900  | QPSK | 1         | 0                        | 4x4MIMO | Band 4  | 20M   | 2133          | 2175  | 4x4MIMO                  | 22.39           | 22.61           |
|            | Band 4  | Ant0 | 20M   | 1732.5        | 20175  | QPSK | 1         | 0                        | 4x4MIMO | Band 2  | 20M   | 1960          | 900   | 4x4MIMO                  | 22.19           | 22.31           |
| CA_2A-12A  | Band 2  | Ant0 | 20M   | 1880          | 18900  | QPSK | 1         | 0                        | 4x4MIMO | Band 12 | 10M   | 737.5         | 5095  |                          | 22.46           | 22.61           |
|            | Band 12 | Ant0 | 10M   | 707.5         | 23095  | QPSK | 1         | 0                        |         | Band 2  | 20M   | 1960          | 900   | 4x4MIMO                  | 22.50           | 22.57           |
| CA_2A-12A  | Band 12 | Ant1 | 10M   | 707.5         | 23095  | QPSK | 1         | 0                        |         | Band 2  | 20M   | 1960          | 900   | 4x4MIMO                  | 21.81           | 21.99           |
|            | Band 2  | Ant0 | 20M   | 1880          | 18900  | QPSK | 1         | 0                        | 4x4MIMO | Band 13 | 10M   | 751           | 5230  |                          | 22.46           | 22.61           |
| CA_2A-13A  | Band 4  | Ant0 | 10M   | 1732.5        | 20175  | QPSK | 1         | 0                        | 4x4MIMO | Band 7  | 20M   | 2655          | 3100  | 4x4MIMO                  | 22.26           | 22.31           |
|            | Band 7  | Ant6 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 4  | 20M   | 2133          | 2175  | 4x4MIMO                  | 22.39           | 22.56           |
| CA_4A-7A   | Band 7  | Ant1 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 4  | 20M   | 2133          | 2175  | 4x4MIMO                  | 21.13           | 21.29           |
|            | Band 7  | Ant5 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 4  | 20M   | 2133          | 2175  | 4x4MIMO                  | 21.59           | 21.75           |
|            | Band 7  | Ant7 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 4  | 20M   | 2133          | 2175  | 4x4MIMO                  | 20.38           | 20.49           |
|            | Band 4  | Ant0 | 10M   | 1732.5        | 20175  | QPSK | 1         | 0                        | 4x4MIMO | Band 17 | 10M   | 740           | 5790  |                          | 22.21           | 22.31           |
| CA_4A-17A  | Band 17 | Ant0 | 10M   | 710           | 23790  | QPSK | 1         | 0                        |         | Band 4  | 10M   | 2133          | 2175  | 4x4MIMO                  | 22.56           | 22.64           |
|            | Band 17 | Ant1 | 10M   | 710           | 23790  | QPSK | 1         | 0                        |         | Band 4  | 10M   | 2133          | 2175  | 4x4MIMO                  | 21.76           | 21.82           |
| CA_5B      | Band 5  | Ant0 | 10M   | 836.5         | 20525  | QPSK | 1         | 0                        |         | Band 5  | 5M    | 888.7         | 2597  |                          | 22.81           | 22.85           |
|            | Band 5  | Ant1 | 10M   | 836.5         | 20525  | QPSK | 1         | 0                        |         | Band 5  | 5M    | 888.7         | 2597  |                          | 22.16           | 22.21           |
| CA_5A-7A   | Band 5  | Ant0 | 10M   | 836.5         | 20525  | QPSK | 1         | 0                        |         | Band 7  | 20M   | 2655          | 3100  | 4x4MIMO                  | 22.73           | 22.85           |
|            | Band 5  | Ant1 | 10M   | 836.5         | 20525  | QPSK | 1         | 0                        |         | Band 7  | 20M   | 2655          | 3100  | 4x4MIMO                  | 22.13           | 22.21           |
| CA_5A-7A   | Band 7  | Ant6 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 5  | 10M   | 881.5         | 2525  |                          | 22.38           | 22.56           |
|            | Band 7  | Ant1 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 5  | 10M   | 881.5         | 2525  |                          | 21.16           | 21.29           |
|            | Band 7  | Ant5 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 5  | 10M   | 881.5         | 2525  |                          | 21.50           | 21.75           |
|            | Band 7  | Ant7 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 5  | 10M   | 881.5         | 2525  |                          | 20.31           | 20.49           |
| CA_5A-38A  | Band 5  | Ant0 | 10M   | 836.5         | 20525  | QPSK | 1         | 0                        |         | Band 38 | 20M   | 2595          | 38000 | 4x4MIMO                  | 22.65           | 22.85           |
|            | Band 5  | Ant1 | 10M   | 836.5         | 20525  | QPSK | 1         | 0                        |         | Band 38 | 20M   | 2595          | 38000 | 4x4MIMO                  | 22.09           | 22.21           |
| CA_7C      | Band 7  | Ant6 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 7  | 20M   | 2555          | 3298  | 4x4MIMO                  | 22.39           | 22.56           |
|            | Band 7  | Ant1 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 7  | 20M   | 2555          | 3298  | 4x4MIMO                  | 21.27           | 21.29           |
|            | Band 7  | Ant5 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 7  | 20M   | 2555          | 3298  | 4x4MIMO                  | 21.71           | 21.75           |
|            | Band 7  | Ant7 | 20M   | 2535          | 21100  | QPSK | 1         | 0                        | 4x4MIMO | Band 7  | 20M   | 2555          | 3298  | 4x4MIMO                  | 20.47           | 20.49           |
| CA_12B     | Band 12 | Ant0 | 10M   | 707.5         | 23095  | QPSK | 1         | 0                        |         | Band 12 | 5M    | 743.5         | 5155  |                          | 22.48           | 22.57           |
|            | Band 12 | Ant1 | 10M   | 707.5         | 23095  | QPSK | 1         | 0                        |         | Band 12 | 5M    | 743.5         | 5155  |                          | 21.88           | 21.99           |
| CA_38C     | Band 38 | Ant6 | 20M   | 2580          | 37850  | QPSK | 1         | 0                        | 4x4MIMO | Band 38 | 20M   | 2600          | 38048 | 4x4MIMO                  | 22.18           | 22.29           |
|            | Band 38 | Ant1 | 20M   | 2580          | 37850  | QPSK | 1         | 0                        | 4x4MIMO | Band 38 | 20M   | 2600          | 38048 | 4x4MIMO                  | 22.41           | 22.45           |
|            | Band 38 | Ant5 | 20M   | 2580          | 37850  | QPSK | 1         | 0                        | 4x4MIMO | Band 38 | 20M   | 2600          | 38048 | 4x4MIMO                  | 22.62           | 22.69           |
|            | Band 38 | Ant7 | 20M   | 2580          | 37850  | QPSK | 1         | 0                        | 4x4MIMO | Band 38 | 20M   | 2600          | 38048 | 4x4MIMO                  | 21.24           | 21.27           |
| CA_41C     | Band 41 | Ant6 | 20M   | 2593          | 40620  | QPSK | 1         | 0                        | 4x4MIMO | Band 41 | 20M   | 2613          | 40818 | 4x4MIMO                  | 22.13           | 22.26           |
|            | Band 41 | Ant1 | 20M   | 2593          | 40620  | QPSK | 1         | 0                        | 4x4MIMO | Band 41 | 20M   | 2613          | 40818 | 4x4MIMO                  | 22.31           | 22.45           |
|            | Band 41 | Ant5 | 20M   | 2593          | 40620  | QPSK | 1         | 0                        | 4x4MIMO | Band 41 | 20M   | 2613          | 40818 | 4x4MIMO                  | 22.55           | 22.65           |
|            | Band 41 | Ant7 | 20M   | 2593          | 40620  | QPSK | 1         | 0                        | 4x4MIMO | Band 41 | 20M   | 2613          | 40818 | 4x4MIMO                  | 21.09           | 21.28           |
| CA_48C     | Band 48 | Ant8 | 20M   | 3609          | 55830  | QPSK | 1         | 0                        | 4x4MIMO | Band 48 | 20M   | 3629          | 56028 | 4x4MIMO                  | 23.41           | 23.49           |
| CA_48A-66A | Band 48 | Ant8 | 20M   | 3609          | 55830  | QPSK | 1         | 0                        | 4x4MIMO | Band 66 | 20M   | 2155          | 66886 | 4x4MIMO                  | 23.37           | 23.49           |
|            | Band 66 | Ant0 | 20M   | 1745          | 132322 | QPSK | 1         | 0                        | 4x4MIMO | Band 48 | 20M   | 3609          | 55830 | 4x4MIMO                  | 22.25           | 22.39           |
| CA_66B     | Band 66 | Ant0 | 15M   | 1745          | 132322 | QPSK | 1         | 0                        | 4x4MIMO | Band 66 | 5M    | 2164          | 66979 | 4x4MIMO                  | 22.31           | 22.39           |
| CA_66C     | Band 66 | Ant0 | 20M   | 1745          | 132322 | QPSK | 1         | 0                        | 4x4MIMO | Band 66 | 20M   | 2175          | 67084 | 4x4MIMO                  | 22.35           | 22.39           |

3CA DL

| 3CA List     | PCC     |      |       |       |         |      |     |        |               | SCC1    |       |       |         |               | SCC2    |       |       |         | Power         |                 |                 |
|--------------|---------|------|-------|-------|---------|------|-----|--------|---------------|---------|-------|-------|---------|---------------|---------|-------|-------|---------|---------------|-----------------|-----------------|
|              | LTE     | BW   | BW    | UL    | UL      |      | UL# | UL     | DL Antenna    | LTE     | BW    | DL    | DL      | DL Antenna    | LTE     | BW    | DL    | DL      | DL Antenna    | With CA         | Without CA      |
|              | Band    | Ant  | (MHz) | Freq. | Channel | Mod. | RB  | Offset | Configuration | Band    | (MHz) | Freq. | Channel | Configuration | Band    | (MHz) | Freq. | Channel | Configuration | Tx. Power (dBm) | Tx. Power (dBm) |
| CA_2A-5A-66A | Band 2  | Ant0 | 20M   | 1880  | 18900   | QPSK | 1   | 0      | 4x4MIMO       | Band 5  | 10M   | 881.5 | 2525    |               | Band 66 | 20M   | 2155  | 66886   | 4x4MIMO       | 22.45           | 22.61           |
|              | Band 5  | Ant0 | 10M   | 836.5 | 20525   | QPSK | 1   | 0      |               | Band 66 | 20M   | 2155  | 66886   | 4x4MIMO       | Band 2  | 20M   | 1960  | 900     | 4x4MIMO       | 22.81           | 22.85           |
|              | Band 5  | Ant1 | 10M   | 836.5 | 20525   | QPSK | 1   | 0      |               | Band 66 | 20M   | 2155  | 66886   | 4x4MIMO       | Band 2  | 20M   | 1960  | 900     | 4x4MIMO       | 22.20           | 22.21           |
|              | Band 66 | Ant0 | 20M   | 1745  | 132322  | QPSK | 1   | 0      | 4x4MIMO       | Band 2  | 20M   | 1960  | 900     | 4x4MIMO       | Band 5  | 10M   | 881.5 | 2525    |               | 22.25           | 22.39           |
| CA_2A-7A-66A | Band 2  | Ant0 | 20M   | 1880  | 18900   | QPSK | 1   | 0      | 4x4MIMO       | Band 66 | 20M   | 2155  | 66886   | 4x4MIMO       | Band 7  | 20M   | 2655  | 3100    | 4x4MIMO       | 22.49           | 22.61           |
|              | Band 7  | Ant0 | 20M   | 2535  | 21100   | QPSK | 1   | 0      | 4x4MIMO       | Band 2  | 20M   | 1960  | 900     | 4x4MIMO       | Band 66 | 20M   | 2155  | 66886   | 4x4MIMO       | 22.36           | 22.56           |
|              | Band 7  | Ant1 | 20M   | 2535  | 21100   | QPSK | 1   | 0      | 4x4MIMO       | Band 2  | 20M   | 1960  | 900     | 4x4MIMO       | Band 66 | 20M   | 2155  | 66886   | 4x4MIMO       | 21.12           | 21.29           |
|              | Band 7  | Ant5 | 20M   | 2535  | 21100   | QPSK | 1   | 0      | 4x4MIMO       | Band 2  | 20M   | 1960  | 900     | 4x4MIMO       | Band 66 | 20M   | 2155  | 66886   | 4x4MIMO       | 21.60           | 21.75           |



| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | 4.39                |
|               | CH 19   | 2440            | 6.16                |
|               | CH 39   | 2480            | 4.56                |
| Time-up Limit |         |                 | 6.50                |