

## Full Power Mode

GSM850 Ant0 Default

| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| TX Channel      | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| Frequency (MHz) | 31.76                     | 31.89 | 31.93 | 33.50               | 22.76                     | 22.89 | 22.93 | 24.50               |
| GSM 1 Tx slot   | 31.74                     | 31.86 | 31.81 | 33.50               | 22.74                     | 22.86 | 22.81 | 24.50               |
| GPRS 2 Tx slots | 29.67                     | 29.83 | 29.78 | 31.00               | 23.67                     | 23.83 | 23.78 | 25.00               |
| GPRS 3 Tx slots | 27.83                     | 27.89 | 27.82 | 29.00               | 23.57                     | 23.63 | 23.56 | 24.74               |
| GPRS 4 Tx slots | 26.69                     | 26.73 | 26.74 | 27.50               | 23.69                     | 23.73 | 23.74 | 24.50               |
| EDGE 1 Tx slot  | 26.20                     | 26.17 | 26.15 | 27.00               | 17.20                     | 17.17 | 17.15 | 18.00               |
| EDGE 2 Tx slots | 25.43                     | 25.47 | 25.45 | 26.50               | 19.43                     | 19.47 | 19.45 | 20.50               |
| EDGE 3 Tx slots | 22.73                     | 22.76 | 22.74 | 24.00               | 18.47                     | 18.50 | 18.48 | 19.74               |
| EDGE 4 Tx slots | 20.07                     | 20.18 | 20.09 | 21.00               | 17.07                     | 17.18 | 17.09 | 18.00               |

WCDMA V Ant0 Default

| Band                          | WCDMA V |       |       | Tune-up Limit (dBm) |
|-------------------------------|---------|-------|-------|---------------------|
|                               | 4132    | 4182  | 4233  |                     |
| TX Channel                    | 4357    | 4407  | 4458  |                     |
| Rx Channel                    | 826.4   | 836.4 | 846.6 |                     |
| Frequency (MHz)               | 22.58   | 22.61 | 22.55 | 24.00               |
| 3GPP Rel 99 AMR 12.2Kbps      | 22.58   | 22.61 | 22.55 | 24.00               |
| 3GPP Rel 99 RMC 12.2Kbps      | 22.62   | 22.65 | 22.57 | 24.00               |
| 3GPP Rel 6 HSDPA Subtest-1    | 21.62   | 21.64 | 21.58 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-2    | 21.57   | 21.59 | 21.57 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-3    | 21.18   | 21.18 | 21.01 | 22.50               |
| 3GPP Rel 6 HSDPA Subtest-4    | 21.00   | 21.12 | 21.08 | 22.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-1 | 21.63   | 21.71 | 21.51 | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-2 | 21.59   | 21.63 | 21.54 | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-3 | 21.13   | 21.27 | 20.97 | 22.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-4 | 21.11   | 21.19 | 20.98 | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-1    | 21.56   | 21.67 | 21.56 | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-2    | 19.59   | 19.70 | 19.63 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-3    | 20.53   | 20.60 | 20.54 | 22.00               |
| 3GPP Rel 6 HSUPA Subtest-4    | 19.65   | 19.73 | 19.46 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-5    | 21.59   | 21.59 | 21.62 | 23.00               |

### GSM1900 Ant1 Default

| GSM1900         | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
|                 | 512                       | 661   | 810    |                     | 512                       | 661   | 810    |                     |
| TX Channel      | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| Frequency (MHz) | 29.40                     | 29.39 | 29.32  | 30.50               | 20.40                     | 20.39 | 20.32  | 21.50               |
| GSM 1 Tx slot   | 29.39                     | 29.36 | 29.30  | 30.50               | 20.39                     | 20.36 | 20.30  | 21.50               |
| GPRS 1 Tx slot  | 27.53                     | 27.62 | 27.52  | 28.50               | 21.53                     | 21.62 | 21.52  | 22.50               |
| GPRS 2 Tx slots | 24.93                     | 24.86 | 24.80  | 26.00               | 20.67                     | 20.60 | 20.54  | 21.74               |
| GPRS 3 Tx slots | 22.99                     | 23.04 | 23.08  | 24.00               | 19.99                     | 20.04 | 20.08  | 21.00               |
| GPRS 4 Tx slots | 24.54                     | 24.61 | 24.61  | 25.50               | 15.54                     | 15.61 | 15.61  | 16.50               |
| EDGE 1 Tx slot  | 23.29                     | 23.30 | 23.30  | 24.50               | 17.29                     | 17.30 | 17.30  | 18.50               |
| EDGE 2 Tx slots | 21.24                     | 21.18 | 21.09  | 22.00               | 16.98                     | 16.92 | 16.83  | 17.74               |
| EDGE 3 Tx slots | 19.10                     | 19.09 | 19.09  | 20.00               | 16.10                     | 16.09 | 16.09  | 17.00               |
| EDGE 4 Tx slots |                           |       |        |                     |                           |       |        |                     |

### WCDMA II Ant1 Default

| Band                          | WCDMA II |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        | Tune-up Limit (dBm) |
|-------------------------------|----------|-------|--------|---------------------|----------|--------|--------|---------------------|
|                               | 9262     | 9400  | 9538   |                     | 1312     | 1413   | 1513   |                     |
| TX Channel                    | 9662     | 9600  | 9938   |                     | 1537     | 1638   | 1738   |                     |
| Rx Channel                    | 1852.4   | 1880  | 1907.6 |                     | 1712.4   | 1732.6 | 1752.8 |                     |
| Frequency (MHz)               | 22.50    | 22.64 | 22.53  | 24.00               | 22.51    | 22.55  | 22.48  | 24.00               |
| 3GPP Rel 99 AMR 12.2Kbps      | 22.51    | 22.66 | 22.59  | 24.00               | 22.59    | 22.60  | 22.51  | 24.00               |
| 3GPP Rel 99 RMC 12.2Kbps      | 21.63    | 21.75 | 21.52  | 23.00               | 21.56    | 21.54  | 21.65  | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-1    | 21.63    | 21.63 | 21.52  | 23.00               | 21.70    | 21.70  | 21.59  | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-2    | 21.29    | 21.24 | 21.01  | 22.50               | 21.11    | 21.24  | 20.94  | 22.50               |
| 3GPP Rel 6 HSDPA Subtest-3    | 20.93    | 21.05 | 20.98  | 22.50               | 20.95    | 21.14  | 21.10  | 22.50               |
| 3GPP Rel 6 HSDPA Subtest-4    | 21.66    | 21.65 | 21.50  | 23.00               | 21.67    | 21.63  | 21.50  | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-1 | 21.69    | 21.61 | 21.50  | 23.00               | 21.50    | 21.59  | 21.62  | 23.00               |
| 3GPP Rel 6 DC-HSDPA Subtest-2 | 21.07    | 21.36 | 21.00  | 22.50               | 21.24    | 21.20  | 21.11  | 22.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-3 | 21.10    | 21.15 | 21.04  | 22.50               | 21.11    | 21.21  | 20.89  | 22.50               |
| 3GPP Rel 6 DC-HSDPA Subtest-4 | 21.48    | 21.66 | 21.69  | 23.00               | 21.48    | 21.64  | 21.48  | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-1    | 19.56    | 19.74 | 19.70  | 21.00               | 19.50    | 19.66  | 19.54  | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-2    | 20.44    | 20.62 | 20.46  | 22.00               | 20.59    | 20.63  | 20.52  | 22.00               |
| 3GPP Rel 6 HSUPA Subtest-3    | 19.56    | 19.64 | 19.49  | 21.00               | 19.61    | 19.71  | 19.49  | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-4    | 21.55    | 21.72 | 21.64  | 23.00               | 21.66    | 21.53  | 21.58  | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-5    |          |       |        |                     |          |        |        |                     |

| Band 5 Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (db) |  |  |
| Channel             |            |         |           | 20450                 | 20525                    | 20600                  |                     |          |  |  |
| Frequency (MHz)     |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |  |
| 10                  | QPSK       | 1       | 0         | 22.36                 | 22.47                    | 22.41                  | 24                  | 0        |  |  |
| 10                  | QPSK       | 1       | 25        | 22.22                 | 22.35                    | 22.32                  |                     |          |  |  |
| 10                  | QPSK       | 1       | 49        | 22.28                 | 22.37                    | 22.34                  |                     |          |  |  |
| 10                  | QPSK       | 25      | 0         | 21.44                 | 21.51                    | 21.48                  |                     |          |  |  |
| 10                  | QPSK       | 25      | 12        | 21.36                 | 21.44                    | 21.38                  |                     |          |  |  |
| 10                  | QPSK       | 25      | 25        | 21.26                 | 21.38                    | 21.33                  | 23                  | 1        |  |  |
| 10                  | QPSK       | 50      | 0         | 21.43                 | 21.49                    | 21.41                  |                     |          |  |  |
| 10                  | 16QAM      | 1       | 0         | 21.70                 | 21.85                    | 21.81                  |                     |          |  |  |
| 10                  | 16QAM      | 1       | 25        | 21.61                 | 21.75                    | 21.74                  |                     |          |  |  |
| 10                  | 16QAM      | 1       | 49        | 21.62                 | 21.76                    | 21.65                  |                     |          |  |  |
| 10                  | 16QAM      | 25      | 0         | 20.53                 | 20.58                    | 20.51                  | 22                  | 2        |  |  |
| 10                  | 16QAM      | 25      | 12        | 20.37                 | 20.46                    | 20.44                  |                     |          |  |  |
| 10                  | 16QAM      | 25      | 25        | 20.22                 | 20.37                    | 20.37                  |                     |          |  |  |
| 10                  | 16QAM      | 50      | 0         | 20.47                 | 20.52                    | 20.51                  |                     |          |  |  |
| 10                  | 64QAM      | 1       | 0         | 20.58                 | 20.67                    | 20.67                  |                     |          |  |  |
| 10                  | 64QAM      | 1       | 25        | 20.34                 | 20.51                    | 20.52                  | 22                  | 2        |  |  |
| 10                  | 64QAM      | 1       | 49        | 20.65                 | 20.75                    | 20.72                  |                     |          |  |  |
| 10                  | 64QAM      | 25      | 0         | 19.41                 | 19.57                    | 19.55                  |                     |          |  |  |
| 10                  | 64QAM      | 25      | 12        | 19.39                 | 19.46                    | 19.39                  |                     |          |  |  |
| 10                  | 64QAM      | 25      | 25        | 19.37                 | 19.52                    | 19.52                  |                     |          |  |  |
| 10                  | 256QAM     | 1       | 0         | 17.40                 | 17.53                    | 17.43                  | 19                  | 5        |  |  |
| 10                  | 256QAM     | 1       | 25        | 17.26                 | 17.43                    | 17.39                  |                     |          |  |  |
| 10                  | 256QAM     | 1       | 49        | 17.39                 | 17.54                    | 17.48                  |                     |          |  |  |
| 10                  | 256QAM     | 25      | 0         | 17.51                 | 17.59                    | 17.52                  |                     |          |  |  |
| 10                  | 256QAM     | 25      | 12        | 17.28                 | 17.38                    | 17.29                  |                     |          |  |  |
| 10                  | 256QAM     | 25      | 25        | 17.30                 | 17.41                    | 17.39                  | 19                  | 5        |  |  |
| 10                  | 256QAM     | 50      | 0         | 17.48                 | 17.54                    | 17.46                  |                     |          |  |  |
| Channel             |            |         |           | 826.5                 | 836.5                    | 846.5                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)     |            |         |           | 829.5                 | 836.5                    | 846.5                  |                     |          |  |  |
| 5                   | QPSK       | 1       | 0         | 22.27                 | 22.31                    | 22.34                  | 24                  | 0        |  |  |
| 5                   | QPSK       | 1       | 12        | 22.11                 | 22.21                    | 22.21                  |                     |          |  |  |
| 5                   | QPSK       | 1       | 24        | 22.23                 | 22.21                    | 22.26                  |                     |          |  |  |
| 5                   | QPSK       | 12      | 0         | 21.33                 | 21.38                    | 21.38                  |                     |          |  |  |
| 5                   | QPSK       | 12      | 7         | 21.32                 | 21.38                    | 21.31                  |                     |          |  |  |
| 5                   | QPSK       | 12      | 13        | 21.14                 | 21.25                    | 21.23                  | 23                  | 1        |  |  |
| 5                   | QPSK       | 25      | 0         | 21.22                 | 21.44                    | 21.53                  |                     |          |  |  |
| 5                   | 16QAM      | 1       | 0         | 21.64                 | 21.81                    | 21.69                  |                     |          |  |  |
| 5                   | 16QAM      | 1       | 12        | 21.49                 | 21.62                    | 21.66                  |                     |          |  |  |
| 5                   | 16QAM      | 1       | 24        | 21.49                 | 21.71                    | 21.58                  |                     |          |  |  |
| 5                   | 16QAM      | 12      | 0         | 20.43                 | 20.48                    | 20.37                  | 22                  | 2        |  |  |
| 5                   | 16QAM      | 12      | 7         | 20.30                 | 20.36                    | 20.38                  |                     |          |  |  |
| 5                   | 16QAM      | 12      | 13        | 20.26                 | 20.35                    | 20.35                  |                     |          |  |  |
| 5                   | 16QAM      | 25      | 0         | 20.38                 | 20.40                    | 20.35                  |                     |          |  |  |
| 5                   | 64QAM      | 1       | 0         | 20.53                 | 20.56                    | 20.56                  |                     |          |  |  |
| 5                   | 64QAM      | 1       | 12        | 20.26                 | 20.40                    | 20.41                  | 22                  | 2        |  |  |
| 5                   | 64QAM      | 1       | 24        | 20.52                 | 20.64                    | 20.61                  |                     |          |  |  |
| 5                   | 64QAM      | 12      | 0         | 19.27                 | 19.48                    | 19.44                  |                     |          |  |  |
| 5                   | 64QAM      | 12      | 7         | 19.25                 | 19.39                    | 19.32                  |                     |          |  |  |
| 5                   | 64QAM      | 12      | 13        | 19.30                 | 19.48                    | 19.39                  |                     |          |  |  |
| 5                   | 64QAM      | 25      | 0         | 19.30                 | 19.38                    | 19.37                  | 19                  | 5        |  |  |
| 5                   | 256QAM     | 1       | 0         | 17.31                 | 17.43                    | 17.34                  |                     |          |  |  |
| 5                   | 256QAM     | 1       | 12        | 17.21                 | 17.32                    | 17.28                  |                     |          |  |  |
| 5                   | 256QAM     | 1       | 24        | 17.23                 | 17.43                    | 17.42                  |                     |          |  |  |
| 5                   | 256QAM     | 12      | 0         | 17.37                 | 17.48                    | 17.40                  |                     |          |  |  |
| 5                   | 256QAM     | 12      | 7         | 17.22                 | 17.23                    | 17.13                  | 19                  | 5        |  |  |
| 5                   | 256QAM     | 12      | 13        | 17.18                 | 17.34                    | 17.34                  |                     |          |  |  |
| 5                   | 256QAM     | 25      | 0         | 17.37                 | 17.46                    | 17.40                  |                     |          |  |  |
| Channel             |            |         |           | 20515                 | 20525                    | 20635                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)     |            |         |           | 825.5                 | 836.5                    | 847.5                  |                     |          |  |  |
| 3                   | QPSK       | 1       | 0         | 22.21                 | 22.30                    | 22.28                  | 24                  | 0        |  |  |
| 3                   | QPSK       | 1       | 8         | 22.17                 | 22.30                    | 22.17                  |                     |          |  |  |
| 3                   | QPSK       | 1       | 14        | 22.21                 | 22.24                    | 22.20                  |                     |          |  |  |
| 3                   | QPSK       | 8       | 0         | 21.40                 | 21.44                    | 21.42                  |                     |          |  |  |
| 3                   | QPSK       | 8       | 4         | 21.51                 | 21.29                    | 21.23                  |                     |          |  |  |
| 3                   | QPSK       | 8       | 7         | 21.20                 | 21.28                    | 21.24                  | 23                  | 1        |  |  |
| 3                   | QPSK       | 15      | 0         | 21.33                 | 21.37                    | 21.29                  |                     |          |  |  |
| 3                   | 16QAM      | 1       | 0         | 21.58                 | 21.71                    | 21.76                  |                     |          |  |  |
| 3                   | 16QAM      | 1       | 8         | 21.47                 | 21.65                    | 21.68                  |                     |          |  |  |
| 3                   | 16QAM      | 1       | 14        | 21.49                 | 21.71                    | 21.56                  |                     |          |  |  |
| 3                   | 16QAM      | 8       | 0         | 20.45                 | 20.47                    | 20.41                  | 22                  | 2        |  |  |
| 3                   | 16QAM      | 8       | 4         | 20.30                 | 20.34                    | 20.32                  |                     |          |  |  |
| 3                   | 16QAM      | 8       | 7         | 20.17                 | 20.22                    | 20.32                  |                     |          |  |  |
| 3                   | 16QAM      | 15      | 0         | 20.34                 | 20.44                    | 20.47                  |                     |          |  |  |
| 3                   | 64QAM      | 1       | 0         | 20.51                 | 20.54                    | 20.60                  |                     |          |  |  |
| 3                   | 64QAM      | 1       | 8         | 20.29                 | 20.39                    | 20.38                  | 22                  | 2        |  |  |
| 3                   | 64QAM      | 1       | 14        | 20.58                 | 20.62                    | 20.66                  |                     |          |  |  |
| 3                   | 64QAM      | 8       | 0         | 19.35                 | 19.50                    | 19.39                  |                     |          |  |  |
| 3                   | 64QAM      | 8       | 4         | 19.34                 | 19.42                    | 19.27                  |                     |          |  |  |
| 3                   | 64QAM      | 8       | 7         | 19.27                 | 19.43                    | 19.40                  |                     |          |  |  |
| 3                   | 64QAM      | 15      | 0         | 19.26                 | 19.40                    | 19.41                  | 19                  | 5        |  |  |
| 3                   | 256QAM     | 1       | 0         | 17.29                 | 17.40                    | 17.39                  |                     |          |  |  |
| 3                   | 256QAM     | 1       | 8         | 17.13                 | 17.31                    | 17.27                  |                     |          |  |  |
| 3                   | 256QAM     | 1       | 14        | 17.24                 | 17.42                    | 17.33                  |                     |          |  |  |
| 3                   | 256QAM     | 8       | 0         | 17.39                 | 17.47                    | 17.47                  |                     |          |  |  |
| 3                   | 256QAM     | 8       | 4         | 17.21                 | 17.30                    | 17.16                  | 19                  | 5        |  |  |
| 3                   | 256QAM     | 8       | 7         | 17.16                 | 17.32                    | 17.32                  |                     |          |  |  |
| 3                   | 256QAM     | 15      | 0         | 17.30                 | 17.40                    | 17.36                  |                     |          |  |  |
| Channel             |            |         |           | 20407                 | 20525                    | 20643                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)     |            |         |           | 824.7                 | 836.5                    | 848.3                  |                     |          |  |  |
| 1.4                 | QPSK       | 1       | 0         | 22.25                 | 22.35                    | 22.33                  | 24                  | 0        |  |  |
| 1.4                 | QPSK       | 1       | 3         | 22.13                 | 22.29                    | 22.26                  |                     |          |  |  |
| 1.4                 | QPSK       | 1       | 5         | 22.23                 | 22.26                    | 22.22                  |                     |          |  |  |
| 1.4                 | QPSK       | 3       | 0         | 22.20                 | 22.32                    | 22.38                  |                     |          |  |  |
| 1.4                 | QPSK       | 3       | 1         | 22.26                 | 22.31                    | 22.21                  |                     |          |  |  |
| 1.4                 | QPSK       | 3       | 3         | 22.20                 | 22.30                    | 22.23                  | 23                  | 1        |  |  |
| 1.4                 | QPSK       | 6       | 0         | 21.33                 | 21.35                    | 21.25                  |                     |          |  |  |
| 1.4                 | 16QAM      | 1       | 0         | 21.62                 | 21.73                    | 21.70                  |                     |          |  |  |
| 1.4                 | 16QAM      | 1       | 3         | 21.50                 | 21.64                    | 21.62                  |                     |          |  |  |
| 1.4                 | 16QAM      | 1       | 5         | 21.50                 | 21.68                    | 21.54                  |                     |          |  |  |
| 1.4                 | 16QAM      | 3       | 0         | 21.30                 | 21.32                    | 21.26                  | 22                  | 2        |  |  |
| 1.4                 | 16QAM      | 3       | 1         | 21.57                 | 21.72                    | 21.65                  |                     |          |  |  |
| 1.4                 | 16QAM      | 3       | 3         | 21.55                 | 21.66                    | 21.65                  |                     |          |  |  |
| 1.4                 | 16QAM      | 6       | 0         | 21.56                 | 21.72                    | 21.57                  |                     |          |  |  |
| 1.4                 | 64QAM      | 1       | 0         | 20.54                 | 20.56                    | 20.62                  |                     |          |  |  |
| 1.4                 | 64QAM      | 1       | 3         | 20.22                 | 20.42                    | 20.41                  | 22                  | 2        |  |  |
| 1.4                 | 64QAM      | 1       | 5         | 20.53                 | 20.68                    | 20.62                  |                     |          |  |  |
| 1.4                 | 64QAM      | 3       | 0         | 20.58                 | 20.51                    | 20.65                  |                     |          |  |  |
| 1.4                 | 64QAM      | 3       | 1         | 20.28                 | 20.47                    | 20.40                  |                     |          |  |  |
| 1.4                 | 64QAM      | 3       | 3         | 20.57                 | 20.72                    | 20.62                  |                     |          |  |  |
| 1.4                 | 256QAM     | 1       | 0         | 19.30                 | 19.40                    | 19.40                  | 21                  | 3        |  |  |
| 1.4                 | 256QAM     | 1       | 3         | 17.32                 | 17.41                    | 17.34                  |                     |          |  |  |
| 1.4                 | 256QAM     | 1       | 5         | 17.30                 | 17.50                    | 17.33                  |                     |          |  |  |
| 1.4                 | 256QAM     | 3       | 0         | 17.47                 | 17.47                    | 17.47                  |                     |          |  |  |
| 1.4                 | 256QAM     | 3       | 1         | 17.21                 | 17.32                    | 17.32                  | 19                  | 5        |  |  |
| 1.4                 | 256QAM     | 3       | 3         | 17.24                 | 17.33                    | 17.34                  |                     |          |  |  |
| 1.4                 | 256QAM     | 6       | 0         | 17.34                 | 17.44                    | 17.31                  |                     |          |  |  |



| Band 17 Ant0 Default |            |         |           |                         |                            |                          |                           |             |  |
|----------------------|------------|---------|-----------|-------------------------|----------------------------|--------------------------|---------------------------|-------------|--|
| BW (MHz)             | Modulation | RB Size | RB Offset | Power Low<br>Ch./ Freq. | Power Middle<br>Ch./ Freq. | Power High<br>Ch./ Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Channel              |            |         |           | 23755                   | 23790                      | 23825                    |                           |             |  |
| Frequency (MHz)      |            |         |           | 709                     | 710                        | 711                      |                           |             |  |
| 10                   | QPSK       | 1       | 0         | 22.39                   | 22.42                      | 22.40                    | 24                        | 0           |  |
| 10                   | QPSK       | 1       | 25        | 22.20                   | 22.26                      | 22.18                    |                           |             |  |
| 10                   | QPSK       | 1       | 49        | 22.16                   | 22.31                      | 22.23                    |                           |             |  |
| 10                   | QPSK       | 25      | 0         | 21.36                   | 21.41                      | 21.31                    | 23                        | 1           |  |
| 10                   | QPSK       | 25      | 12        | 21.17                   | 21.28                      | 21.20                    |                           |             |  |
| 10                   | QPSK       | 25      | 25        | 21.27                   | 21.36                      | 21.26                    |                           |             |  |
| 10                   | QPSK       | 50      | 0         | 21.18                   | 21.30                      | 21.22                    | 23                        | 1           |  |
| 10                   | 16QAM      | 1       | 0         | 21.46                   | 21.61                      | 21.45                    |                           |             |  |
| 10                   | 16QAM      | 1       | 25        | 21.30                   | 21.41                      | 21.31                    |                           |             |  |
| 10                   | 16QAM      | 1       | 49        | 21.30                   | 21.43                      | 21.35                    | 22                        | 2           |  |
| 10                   | 16QAM      | 25      | 0         | 20.31                   | 20.44                      | 20.36                    |                           |             |  |
| 10                   | 16QAM      | 25      | 12        | 20.43                   | 20.49                      | 20.40                    |                           |             |  |
| 10                   | 16QAM      | 25      | 25        | 20.40                   | 20.52                      | 20.46                    | 22                        | 2           |  |
| 10                   | 16QAM      | 50      | 0         | 20.21                   | 20.33                      | 20.23                    |                           |             |  |
| 10                   | 64QAM      | 1       | 0         | 20.33                   | 20.46                      | 20.34                    |                           |             |  |
| 10                   | 64QAM      | 1       | 25        | 20.28                   | 20.38                      | 20.33                    | 22                        | 2           |  |
| 10                   | 64QAM      | 1       | 49        | 20.27                   | 20.43                      | 20.29                    |                           |             |  |
| 10                   | 64QAM      | 25      | 0         | 19.45                   | 19.51                      | 19.45                    |                           |             |  |
| 10                   | 64QAM      | 25      | 12        | 19.17                   | 19.27                      | 19.16                    | 21                        | 3           |  |
| 10                   | 64QAM      | 25      | 25        | 19.34                   | 19.43                      | 19.29                    |                           |             |  |
| 10                   | 64QAM      | 50      | 0         | 19.24                   | 19.38                      | 19.30                    |                           |             |  |
| 10                   | 256QAM     | 1       | 0         | 17.39                   | 17.54                      | 17.47                    | 19                        | 5           |  |
| 10                   | 256QAM     | 1       | 25        | 17.11                   | 17.24                      | 17.20                    |                           |             |  |
| 10                   | 256QAM     | 1       | 49        | 17.32                   | 17.46                      | 17.35                    |                           |             |  |
| 10                   | 256QAM     | 25      | 0         | 17.17                   | 17.33                      | 17.20                    | 19                        | 5           |  |
| 10                   | 256QAM     | 25      | 12        | 17.10                   | 17.23                      | 17.15                    |                           |             |  |
| 10                   | 256QAM     | 25      | 25        | 17.39                   | 17.47                      | 17.43                    |                           |             |  |
| 10                   | 256QAM     | 50      | 0         | 17.26                   | 17.41                      | 17.29                    |                           |             |  |
| Channel              |            |         |           | 23755                   | 23790                      | 23825                    | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)      |            |         |           | 706.5                   | 710                        | 713.5                    |                           |             |  |
| 5                    | QPSK       | 1       | 0         | 22.27                   | 22.37                      | 22.33                    | 24                        | 0           |  |
| 5                    | QPSK       | 1       | 12        | 22.05                   | 22.16                      | 22.08                    |                           |             |  |
| 5                    | QPSK       | 1       | 24        | 22.01                   | 22.15                      | 22.16                    |                           |             |  |
| 5                    | QPSK       | 12      | 0         | 21.29                   | 21.29                      | 21.18                    | 23                        | 1           |  |
| 5                    | QPSK       | 12      | 7         | 21.06                   | 21.12                      | 21.15                    |                           |             |  |
| 5                    | QPSK       | 12      | 13        | 21.23                   | 21.22                      | 21.20                    |                           |             |  |
| 5                    | QPSK       | 25      | 0         | 21.06                   | 21.16                      | 21.10                    | 23                        | 1           |  |
| 5                    | 16QAM      | 1       | 0         | 21.34                   | 21.57                      | 21.41                    |                           |             |  |
| 5                    | 16QAM      | 1       | 12        | 21.14                   | 21.28                      | 21.15                    |                           |             |  |
| 5                    | 16QAM      | 1       | 24        | 21.20                   | 21.32                      | 21.33                    | 22                        | 2           |  |
| 5                    | 16QAM      | 12      | 0         | 20.22                   | 20.33                      | 20.22                    |                           |             |  |
| 5                    | 16QAM      | 12      | 7         | 20.39                   | 20.39                      | 20.33                    |                           |             |  |
| 5                    | 16QAM      | 12      | 13        | 20.29                   | 20.40                      | 20.36                    | 22                        | 2           |  |
| 5                    | 16QAM      | 25      | 0         | 20.14                   | 20.28                      | 20.10                    |                           |             |  |
| 5                    | 64QAM      | 1       | 0         | 20.17                   | 20.41                      | 20.20                    |                           |             |  |
| 5                    | 64QAM      | 1       | 12        | 20.17                   | 20.26                      | 20.16                    | 22                        | 2           |  |
| 5                    | 64QAM      | 1       | 24        | 20.17                   | 20.38                      | 20.14                    |                           |             |  |
| 5                    | 64QAM      | 12      | 0         | 19.35                   | 19.37                      | 19.29                    |                           |             |  |
| 5                    | 64QAM      | 12      | 7         | 19.10                   | 19.22                      | 19.10                    | 21                        | 3           |  |
| 5                    | 64QAM      | 12      | 13        | 19.28                   | 19.27                      | 19.17                    |                           |             |  |
| 5                    | 64QAM      | 25      | 0         | 19.20                   | 19.28                      | 19.25                    |                           |             |  |
| 5                    | 256QAM     | 1       | 0         | 17.29                   | 17.46                      | 17.33                    | 19                        | 5           |  |
| 5                    | 256QAM     | 1       | 12        | 17.03                   | 17.19                      | 17.06                    |                           |             |  |
| 5                    | 256QAM     | 1       | 24        | 17.27                   | 17.41                      | 17.31                    |                           |             |  |
| 5                    | 256QAM     | 12      | 0         | 17.06                   | 17.29                      | 17.09                    | 19                        | 5           |  |
| 5                    | 256QAM     | 12      | 7         | 17.02                   | 17.09                      | 17.04                    |                           |             |  |
| 5                    | 256QAM     | 12      | 13        | 17.30                   | 17.39                      | 17.29                    |                           |             |  |
| 5                    | 256QAM     | 25      | 0         | 17.20                   | 17.34                      | 17.17                    |                           |             |  |

| Band 26 for FCC Ant0 Default |            |         |           |             |              |             |                     |          |  |  |  |  |
|------------------------------|------------|---------|-----------|-------------|--------------|-------------|---------------------|----------|--|--|--|--|
| BW (MHz)                     | Modulation | RB Size | RB Offset | Power Low   | Power Middle | Power High  | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
|                              |            |         |           | Ch. / Freq. | Ch. / Freq.  | Ch. / Freq. |                     |          |  |  |  |  |
| Channel                      |            |         |           | 26165       | 26665        | 26965       |                     |          |  |  |  |  |
| Frequency (MHz)              |            |         |           | 821.5       | 831.5        | 841.5       |                     |          |  |  |  |  |
| 15                           | QPSK       | 1       | 0         | 22.19       | 22.38        | 22.25       | 24                  | 0        |  |  |  |  |
| 15                           | QPSK       | 1       | 37        | 22.05       | 22.17        | 22.10       |                     |          |  |  |  |  |
| 15                           | QPSK       | 1       | 74        | 22.15       | 22.21        | 22.13       |                     |          |  |  |  |  |
| 15                           | QPSK       | 36      | 0         | 21.40       | 21.45        | 21.41       |                     |          |  |  |  |  |
| 15                           | QPSK       | 36      | 20        | 21.24       | 21.32        | 21.28       | 23                  | 1        |  |  |  |  |
| 15                           | QPSK       | 36      | 39        | 21.27       | 21.41        | 21.37       |                     |          |  |  |  |  |
| 15                           | QPSK       | 75      | 0         | 21.28       | 21.35        | 21.26       |                     |          |  |  |  |  |
| 15                           | 16QAM      | 1       | 0         | 21.27       | 21.38        | 21.31       |                     |          |  |  |  |  |
| 15                           | 16QAM      | 1       | 37        | 21.19       | 21.26        | 21.14       | 23                  | 1        |  |  |  |  |
| 15                           | 16QAM      | 1       | 74        | 21.40       | 21.45        | 21.29       |                     |          |  |  |  |  |
| 15                           | 16QAM      | 36      | 0         | 20.41       | 20.52        | 20.42       |                     |          |  |  |  |  |
| 15                           | 16QAM      | 36      | 20        | 20.34       | 20.43        | 20.34       |                     |          |  |  |  |  |
| 15                           | 16QAM      | 36      | 39        | 20.22       | 20.31        | 20.20       | 22                  | 2        |  |  |  |  |
| 15                           | 16QAM      | 75      | 0         | 20.35       | 20.46        | 20.36       |                     |          |  |  |  |  |
| 15                           | 64QAM      | 1       | 0         | 20.37       | 20.43        | 20.38       |                     |          |  |  |  |  |
| 15                           | 64QAM      | 1       | 37        | 20.16       | 20.28        | 20.12       |                     |          |  |  |  |  |
| 15                           | 64QAM      | 1       | 74        | 20.26       | 20.38        | 20.24       | 21                  | 3        |  |  |  |  |
| 15                           | 64QAM      | 36      | 0         | 19.35       | 19.48        | 19.41       |                     |          |  |  |  |  |
| 15                           | 64QAM      | 36      | 20        | 19.11       | 19.21        | 19.13       |                     |          |  |  |  |  |
| 15                           | 64QAM      | 36      | 39        | 19.28       | 19.34        | 19.25       |                     |          |  |  |  |  |
| 15                           | 64QAM      | 75      | 0         | 19.39       | 19.47        | 19.39       | 19                  | 5        |  |  |  |  |
| 15                           | 256QAM     | 1       | 0         | 17.36       | 17.43        | 17.37       |                     |          |  |  |  |  |
| 15                           | 256QAM     | 1       | 37        | 17.23       | 17.29        | 17.25       |                     |          |  |  |  |  |
| 15                           | 256QAM     | 1       | 74        | 17.26       | 17.36        | 17.29       |                     |          |  |  |  |  |
| 15                           | 256QAM     | 36      | 0         | 17.45       | 17.55        | 17.45       | 19                  | 5        |  |  |  |  |
| 15                           | 256QAM     | 36      | 20        | 17.37       | 17.42        | 17.34       |                     |          |  |  |  |  |
| 15                           | 256QAM     | 36      | 39        | 17.23       | 17.38        | 17.26       |                     |          |  |  |  |  |
| 15                           | 256QAM     | 75      | 0         | 17.38       | 17.51        | 17.42       |                     |          |  |  |  |  |
| Channel                      |            |         |           | 26740       | 26665        | 26960       | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Frequency (MHz)              |            |         |           | 819         | 831.5        | 844         |                     |          |  |  |  |  |
| 10                           | QPSK       | 1       | 0         | 22.10       | 22.22        | 22.19       | 24                  | 0        |  |  |  |  |
| 10                           | QPSK       | 1       | 25        | 22.04       | 22.04        | 22.01       |                     |          |  |  |  |  |
| 10                           | QPSK       | 1       | 49        | 22.05       | 22.06        | 22.11       |                     |          |  |  |  |  |
| 10                           | QPSK       | 25      | 0         | 21.27       | 21.37        | 21.25       |                     |          |  |  |  |  |
| 10                           | QPSK       | 25      | 12        | 21.09       | 21.25        | 21.14       | 23                  | 1        |  |  |  |  |
| 10                           | QPSK       | 25      | 25        | 21.16       | 21.29        | 21.31       |                     |          |  |  |  |  |
| 10                           | QPSK       | 50      | 0         | 21.13       | 21.24        | 21.16       |                     |          |  |  |  |  |
| 10                           | 16QAM      | 1       | 0         | 21.18       | 21.27        | 21.21       |                     |          |  |  |  |  |
| 10                           | 16QAM      | 1       | 25        | 21.13       | 21.14        | 21.02       | 23                  | 1        |  |  |  |  |
| 10                           | 16QAM      | 1       | 49        | 21.30       | 21.37        | 21.16       |                     |          |  |  |  |  |
| 10                           | 16QAM      | 25      | 0         | 20.31       | 20.45        | 20.33       |                     |          |  |  |  |  |
| 10                           | 16QAM      | 25      | 12        | 20.20       | 20.31        | 20.26       |                     |          |  |  |  |  |
| 10                           | 16QAM      | 25      | 25        | 20.18       | 20.24        | 20.15       | 22                  | 2        |  |  |  |  |
| 10                           | 16QAM      | 50      | 0         | 20.23       | 20.30        | 20.27       |                     |          |  |  |  |  |
| 10                           | 64QAM      | 1       | 0         | 20.28       | 20.31        | 20.31       |                     |          |  |  |  |  |
| 10                           | 64QAM      | 1       | 25        | 20.00       | 20.13        | 20.06       |                     |          |  |  |  |  |
| 10                           | 64QAM      | 1       | 49        | 20.22       | 20.22        | 20.11       | 22                  | 2        |  |  |  |  |
| 10                           | 64QAM      | 25      | 0         | 19.25       | 19.41        | 19.30       |                     |          |  |  |  |  |
| 10                           | 64QAM      | 25      | 12        | 19.21       | 19.11        | 19.11       |                     |          |  |  |  |  |
| 10                           | 64QAM      | 25      | 25        | 19.15       | 19.29        | 19.23       |                     |          |  |  |  |  |
| 10                           | 64QAM      | 50      | 0         | 19.32       | 19.43        | 19.32       | 19                  | 5        |  |  |  |  |
| 10                           | 256QAM     | 1       | 0         | 17.26       | 17.28        | 17.23       |                     |          |  |  |  |  |
| 10                           | 256QAM     | 1       | 25        | 17.09       | 17.16        | 17.14       |                     |          |  |  |  |  |
| 10                           | 256QAM     | 1       | 49        | 17.12       | 17.31        | 17.18       |                     |          |  |  |  |  |
| 10                           | 256QAM     | 25      | 0         | 17.32       | 17.43        | 17.41       | 19                  | 5        |  |  |  |  |
| 10                           | 256QAM     | 25      | 12        | 17.24       | 17.28        | 17.21       |                     |          |  |  |  |  |
| 10                           | 256QAM     | 25      | 25        | 17.15       | 17.33        | 17.15       |                     |          |  |  |  |  |
| 10                           | 256QAM     | 50      | 0         | 17.32       | 17.40        | 17.26       |                     |          |  |  |  |  |
| Channel                      |            |         |           | 26715       | 26665        | 26715       | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |
| Frequency (MHz)              |            |         |           | 818.5       | 831.5        | 846.5       |                     |          |  |  |  |  |
| 5                            | QPSK       | 1       | 0         | 22.14       | 22.22        | 22.15       | 24                  | 0        |  |  |  |  |
| 5                            | QPSK       | 1       | 12</      |             |              |             |                     |          |  |  |  |  |



| Band 25 Ant1 Default        |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
|-----------------------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|--------------------------|-------------|--|--|--|--|--|--|
| BW (MHz)                    | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Power High<br>Ch./Freq. | Turn-up<br>level<br>(dB) | MPE<br>(dB) |  |  |  |  |  |  |
| Channel                     |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| Frequency (MHz)             |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| 1850 1860 1865 1865         |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| 20                          | QPSK       | 1       | 0         | 22.76                  | 22.83                     | 22.79                   | 24                       | 0           |  |  |  |  |  |  |
| 20                          | QPSK       | 1       | 48        | 22.80                  | 22.74                     | 22.83                   |                          |             |  |  |  |  |  |  |
| 20                          | QPSK       | 1       | 96        | 22.83                  | 22.77                     | 22.83                   |                          |             |  |  |  |  |  |  |
| 20                          | QPSK       | 50      | 0         | 21.69                  | 22.01                     | 21.68                   |                          |             |  |  |  |  |  |  |
| 20                          | QPSK       | 50      | 24        | 21.72                  | 21.80                     | 21.69                   | 23                       | 1           |  |  |  |  |  |  |
| 20                          | QPSK       | 50      | 50        | 21.77                  | 21.81                     | 21.76                   |                          |             |  |  |  |  |  |  |
| 20                          | QPSK       | 100     | 0         | 21.62                  | 21.96                     | 21.66                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 1       | 0         | 22.12                  | 22.21                     | 22.09                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 1       | 48        | 21.96                  | 22.05                     | 21.99                   | 23                       | 1           |  |  |  |  |  |  |
| 20                          | 16QAM      | 1       | 96        | 21.92                  | 22.08                     | 22.00                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 50      | 0         | 20.74                  | 20.83                     | 20.71                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 50      | 24        | 20.77                  | 20.83                     | 20.72                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 50      | 50        | 20.82                  | 20.87                     | 20.86                   | 22                       | 2           |  |  |  |  |  |  |
| 20                          | 16QAM      | 100     | 0         | 20.86                  | 20.92                     | 20.89                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 1       | 0         | 20.81                  | 20.94                     | 20.86                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 1       | 48        | 20.83                  | 20.98                     | 20.88                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 1       | 96        | 20.82                  | 20.98                     | 20.86                   | 22                       | 2           |  |  |  |  |  |  |
| 20                          | 16QAM      | 50      | 0         | 19.85                  | 19.94                     | 19.86                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 50      | 24        | 19.73                  | 19.82                     | 19.86                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 50      | 50        | 19.86                  | 19.94                     | 19.76                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 100     | 0         | 19.80                  | 19.94                     | 19.81                   | 21                       | 3           |  |  |  |  |  |  |
| 20                          | 16QAM      | 1       | 48        | 17.85                  | 17.87                     | 17.82                   |                          |             |  |  |  |  |  |  |
| 20                          | 16QAM      | 1       | 96        | 17.68                  | 17.77                     | 17.67                   |                          |             |  |  |  |  |  |  |
| 20                          | 256QAM     | 1       | 99        | 17.80                  | 17.82                     | 17.76                   |                          |             |  |  |  |  |  |  |
| 20                          | 256QAM     | 1       | 48        | 17.80                  | 17.82                     | 17.82                   | 19                       | 5           |  |  |  |  |  |  |
| 20                          | 256QAM     | 50      | 24        | 17.72                  | 17.78                     | 17.69                   |                          |             |  |  |  |  |  |  |
| 20                          | 256QAM     | 50      | 50        | 17.82                  | 17.82                     | 17.86                   |                          |             |  |  |  |  |  |  |
| 20                          | 256QAM     | 100     | 0         | 17.67                  | 17.86                     | 17.69                   |                          |             |  |  |  |  |  |  |
| Channel                     |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| 2611.5 2634.0 2661.5 2661.5 |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| 15                          | QPSK       | 1       | 0         | 22.69                  | 22.67                     | 22.71                   | 24                       | 0           |  |  |  |  |  |  |
| 15                          | QPSK       | 1       | 37        | 22.47                  | 22.88                     | 22.61                   |                          |             |  |  |  |  |  |  |
| 15                          | QPSK       | 1       | 74        | 22.49                  | 22.66                     | 22.56                   |                          |             |  |  |  |  |  |  |
| 15                          | QPSK       | 36      | 0         | 21.73                  | 21.93                     | 21.76                   |                          |             |  |  |  |  |  |  |
| 15                          | QPSK       | 36      | 20        | 21.68                  | 21.87                     | 21.68                   | 23                       | 1           |  |  |  |  |  |  |
| 15                          | QPSK       | 36      | 38        | 21.63                  | 21.66                     | 21.61                   |                          |             |  |  |  |  |  |  |
| 15                          | QPSK       | 75      | 0         | 21.76                  | 21.91                     | 21.76                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 1       | 0         | 21.69                  | 22.10                     | 22.01                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 1       | 37        | 21.92                  | 21.92                     | 21.89                   | 23                       | 1           |  |  |  |  |  |  |
| 15                          | 16QAM      | 1       | 74        | 21.83                  | 21.87                     | 21.73                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 36      | 0         | 20.87                  | 20.77                     | 20.85                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 36      | 20        | 20.73                  | 20.76                     | 20.81                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 36      | 20        | 20.77                  | 20.79                     | 20.81                   | 22                       | 2           |  |  |  |  |  |  |
| 15                          | 16QAM      | 75      | 0         | 20.77                  | 20.79                     | 20.81                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 1       | 0         | 20.73                  | 20.79                     | 20.72                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 1       | 37        | 20.71                  | 20.80                     | 20.79                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 1       | 74        | 20.85                  | 20.88                     | 20.78                   | 21                       | 3           |  |  |  |  |  |  |
| 15                          | 16QAM      | 36      | 0         | 19.80                  | 19.88                     | 19.80                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 36      | 20        | 19.86                  | 19.77                     | 19.82                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 36      | 38        | 19.74                  | 19.85                     | 19.82                   |                          |             |  |  |  |  |  |  |
| 15                          | 16QAM      | 75      | 0         | 19.69                  | 19.89                     | 19.76                   | 19                       | 5           |  |  |  |  |  |  |
| 15                          | 256QAM     | 1       | 0         | 17.73                  | 17.87                     | 17.73                   |                          |             |  |  |  |  |  |  |
| 15                          | 256QAM     | 1       | 37        | 17.58                  | 17.65                     | 17.56                   |                          |             |  |  |  |  |  |  |
| 15                          | 256QAM     | 1       | 74        | 17.67                  | 17.87                     | 17.71                   |                          |             |  |  |  |  |  |  |
| 15                          | 256QAM     | 36      | 0         | 17.61                  | 17.80                     | 17.62                   | 19                       | 5           |  |  |  |  |  |  |
| 15                          | 256QAM     | 36      | 20        | 17.66                  | 17.68                     | 17.59                   |                          |             |  |  |  |  |  |  |
| 15                          | 256QAM     | 36      | 38        | 17.75                  | 17.78                     | 17.70                   |                          |             |  |  |  |  |  |  |
| 15                          | 256QAM     | 75      | 0         | 17.75                  | 17.87                     | 17.73                   |                          |             |  |  |  |  |  |  |
| Channel                     |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| 2659.0 2634.0 2661.5 2661.5 |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| 10                          | QPSK       | 1       | 0         | 22.40                  | 22.68                     | 22.41                   | 24                       | 0           |  |  |  |  |  |  |
| 10                          | QPSK       | 1       | 25        | 22.50                  | 22.67                     | 22.63                   |                          |             |  |  |  |  |  |  |
| 10                          | QPSK       | 1       | 49        | 22.53                  | 22.68                     | 22.58                   |                          |             |  |  |  |  |  |  |
| 10                          | QPSK       | 25      | 0         | 21.80                  | 21.92                     | 21.82                   |                          |             |  |  |  |  |  |  |
| 10                          | QPSK       | 25      | 12        | 21.89                  | 21.69                     | 21.49                   | 23                       | 1           |  |  |  |  |  |  |
| 10                          | QPSK       | 25      | 25        | 21.66                  | 21.67                     | 21.60                   |                          |             |  |  |  |  |  |  |
| 10                          | QPSK       | 25      | 38        | 21.76                  | 21.69                     | 21.69                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 1       | 0         | 22.00                  | 22.17                     | 21.93                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 1       | 25        | 21.85                  | 21.80                     | 21.82                   | 23                       | 1           |  |  |  |  |  |  |
| 10                          | 16QAM      | 1       | 49        | 21.86                  | 21.95                     | 21.82                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 25      | 0         | 20.84                  | 20.73                     | 20.83                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 25      | 12        | 20.66                  | 20.70                     | 20.62                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 25      | 25        | 20.91                  | 20.96                     | 20.84                   | 22                       | 2           |  |  |  |  |  |  |
| 10                          | 16QAM      | 50      | 0         | 20.76                  | 20.87                     | 20.78                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 1       | 0         | 20.69                  | 20.79                     | 20.78                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 1       | 25        | 20.89                  | 20.83                     | 20.82                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 1       | 49        | 20.77                  | 20.93                     | 20.78                   | 21                       | 3           |  |  |  |  |  |  |
| 10                          | 16QAM      | 25      | 0         | 19.69                  | 19.90                     | 19.71                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 25      | 12        | 19.85                  | 19.72                     | 19.86                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 25      | 25        | 19.76                  | 19.68                     | 19.72                   |                          |             |  |  |  |  |  |  |
| 10                          | 16QAM      | 50      | 0         | 19.66                  | 19.84                     | 19.67                   | 19                       | 5           |  |  |  |  |  |  |
| 10                          | 256QAM     | 1       | 0         | 17.68                  | 17.84                     | 17.71                   |                          |             |  |  |  |  |  |  |
| 10                          | 256QAM     | 1       | 25        | 17.66                  | 17.68                     | 17.58                   |                          |             |  |  |  |  |  |  |
| 10                          | 256QAM     | 1       | 49        | 17.69                  | 17.80                     | 17.69                   |                          |             |  |  |  |  |  |  |
| 10                          | 256QAM     | 25      | 0         | 17.62                  | 17.65                     | 17.54                   | 19                       | 5           |  |  |  |  |  |  |
| 10                          | 256QAM     | 25      | 12        | 17.67                  | 17.69                     | 17.60                   |                          |             |  |  |  |  |  |  |
| 10                          | 256QAM     | 25      | 25        | 17.69                  | 17.80                     | 17.62                   |                          |             |  |  |  |  |  |  |
| 10                          | 256QAM     | 50      | 0         | 17.75                  | 17.86                     | 17.64                   |                          |             |  |  |  |  |  |  |
| Channel                     |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| 2668.5 2634.0 2661.5 2661.5 |            |         |           |                        |                           |                         |                          |             |  |  |  |  |  |  |
| 5                           | QPSK       | 1       | 0         | 22.47                  | 22.71                     | 22.41                   | 24                       | 0           |  |  |  |  |  |  |
| 5                           | QPSK       | 1       | 12        | 22.53                  | 22.61                     | 22.60                   |                          |             |  |  |  |  |  |  |
| 5                           | QPSK       | 1       | 24        | 22.53                  | 22.71                     | 22.51                   |                          |             |  |  |  |  |  |  |
| 5                           | QPSK       | 13      | 0         | 21.74                  | 21.90                     | 21.64                   |                          |             |  |  |  |  |  |  |
| 5                           | QPSK       | 12      | 7         | 21.62                  | 21.74                     | 21.58                   | 23                       | 1           |  |  |  |  |  |  |
| 5                           | QPSK       | 12      | 13        | 21.73                  | 21.68                     | 21.62                   |                          |             |  |  |  |  |  |  |
| 5                           | QPSK       | 25      | 0         | 21.71                  | 21.81                     | 21.62                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 1       | 0         | 22.04                  | 22.11                     | 21.98                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 1       | 12        | 21.90                  | 22.01                     | 21.89                   | 23                       | 1           |  |  |  |  |  |  |
| 5                           | 16QAM      | 1       | 24        | 21.93                  | 21.94                     | 21.87                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 12      | 5         | 20.83                  | 20.73                     | 20.87                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 12      | 7         | 20.67                  | 20.70                     | 20.61                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 12      | 13        | 20.17                  | 20.60                     | 20.47                   | 22                       | 2           |  |  |  |  |  |  |
| 5                           | 16QAM      | 25      | 0         | 20.81                  | 20.88                     | 20.78                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 1       | 0         | 20.66                  | 20.84                     | 20.72                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 1       | 12        | 20.78                  | 20.88                     | 20.88                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 1       | 24        | 20.69                  | 20.93                     | 20.78                   | 22                       | 2           |  |  |  |  |  |  |
| 5                           | 16QAM      | 12      | 0         | 19.77                  | 19.78                     | 19.81                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 12      | 7         | 19.66                  | 19.74                     | 19.69                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 12      | 13        | 19.71                  | 19.87                     | 19.69                   |                          |             |  |  |  |  |  |  |
| 5                           | 16QAM      | 25      | 0         | 19.71                  | 19.80                     | 19.71                   | 21                       | 3           |  |  |  |  |  |  |
| 5                           | 256QAM     | 1       | 0         | 17.75                  | 17.76                     | 17.67                   |                          |             |  |  |  |  |  |  |
| 5                           | 256QAM     | 1       | 12        | 17.66                  | 17.64                     | 17.66                   |                          |             |  |  |  |  |  |  |
| 5                           | 256QAM     | 1       | 24        | 17.67                  | 17.82                     | 17.66                   |                          |             |  |  |  |  |  |  |
| 5                           | 256QAM     | 12      | 0         | 17.62                  | 1                         |                         |                          |             |  |  |  |  |  |  |

| Band 38 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |
| Frequency (MHz)      |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20                   | QPSK       | 1       | 0         | 22.86                 | 22.92                    | 22.82                  | 24                  | 0        |  |
| 20                   | QPSK       | 1       | 49        | 22.66                 | 22.74                    | 22.67                  |                     |          |  |
| 20                   | QPSK       | 1       | 99        | 22.50                 | 22.59                    | 22.55                  |                     |          |  |
| 20                   | QPSK       | 50      | 0         | 21.64                 | 21.78                    | 21.63                  |                     |          |  |
| 20                   | QPSK       | 50      | 24        | 21.55                 | 21.68                    | 21.62                  | 23                  | 1        |  |
| 20                   | QPSK       | 50      | 50        | 21.66                 | 21.75                    | 21.61                  |                     |          |  |
| 20                   | QPSK       | 100     | 0         | 21.61                 | 21.70                    | 21.62                  |                     |          |  |
| 20                   | 16QAM      | 1       | 0         | 21.79                 | 21.90                    | 21.79                  |                     |          |  |
| 20                   | 16QAM      | 1       | 49        | 21.66                 | 21.79                    | 21.65                  | 23                  | 1        |  |
| 20                   | 16QAM      | 1       | 99        | 21.64                 | 21.73                    | 21.59                  |                     |          |  |
| 20                   | 16QAM      | 50      | 0         | 20.72                 | 20.82                    | 20.75                  |                     |          |  |
| 20                   | 16QAM      | 50      | 24        | 20.53                 | 20.63                    | 20.54                  |                     |          |  |
| 20                   | 16QAM      | 50      | 50        | 20.61                 | 20.70                    | 20.66                  | 22                  | 2        |  |
| 20                   | 16QAM      | 100     | 0         | 20.67                 | 20.73                    | 20.67                  |                     |          |  |
| 20                   | 64QAM      | 1       | 0         | 21.66                 | 21.75                    | 21.61                  |                     |          |  |
| 20                   | 64QAM      | 1       | 49        | 21.53                 | 21.61                    | 21.50                  |                     |          |  |
| 20                   | 64QAM      | 1       | 99        | 21.66                 | 21.73                    | 21.64                  | 22                  | 2        |  |
| 20                   | 64QAM      | 50      | 0         | 20.70                 | 20.74                    | 20.62                  |                     |          |  |
| 20                   | 64QAM      | 50      | 24        | 20.52                 | 20.58                    | 20.48                  |                     |          |  |
| 20                   | 64QAM      | 50      | 50        | 20.66                 | 20.72                    | 20.67                  |                     |          |  |
| 20                   | 64QAM      | 100     | 0         | 20.64                 | 20.78                    | 20.73                  | 21                  | 3        |  |
| 20                   | 256QAM     | 1       | 0         | 17.63                 | 17.70                    | 17.58                  |                     |          |  |
| 20                   | 256QAM     | 1       | 49        | 17.52                 | 17.61                    | 17.56                  |                     |          |  |
| 20                   | 256QAM     | 1       | 99        | 17.55                 | 17.64                    | 17.51                  |                     |          |  |
| 20                   | 256QAM     | 50      | 0         | 17.78                 | 17.85                    | 17.78                  | 19                  | 5        |  |
| 20                   | 256QAM     | 50      | 24        | 17.58                 | 17.68                    | 17.59                  |                     |          |  |
| 20                   | 256QAM     | 50      | 50        | 17.62                 | 17.77                    | 17.68                  |                     |          |  |
| 20                   | 256QAM     | 100     | 0         | 17.61                 | 17.76                    | 17.64                  |                     |          |  |
| Channel              |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |
| 15                   | QPSK       | 1       | 0         | 22.76                 | 22.75                    | 22.71                  | 24                  | 0        |  |
| 15                   | QPSK       | 1       | 37        | 22.57                 | 22.60                    | 22.63                  |                     |          |  |
| 15                   | QPSK       | 1       | 74        | 22.43                 | 22.49                    | 22.49                  |                     |          |  |
| 15                   | QPSK       | 36      | 0         | 21.60                 | 21.71                    | 21.53                  |                     |          |  |
| 15                   | QPSK       | 36      | 20        | 21.40                 | 21.52                    | 21.52                  | 23                  | 1        |  |
| 15                   | QPSK       | 36      | 39        | 21.54                 | 21.66                    | 21.57                  |                     |          |  |
| 15                   | QPSK       | 75      | 0         | 21.55                 | 21.59                    | 21.50                  |                     |          |  |
| 15                   | 16QAM      | 1       | 0         | 21.71                 | 21.81                    | 21.68                  |                     |          |  |
| 15                   | 16QAM      | 1       | 37        | 21.51                 | 21.66                    | 21.50                  | 23                  | 1        |  |
| 15                   | 16QAM      | 1       | 74        | 21.55                 | 21.57                    | 21.45                  |                     |          |  |
| 15                   | 16QAM      | 36      | 0         | 20.58                 | 20.73                    | 20.69                  |                     |          |  |
| 15                   | 16QAM      | 36      | 20        | 20.39                 | 20.50                    | 20.49                  |                     |          |  |
| 15                   | 16QAM      | 36      | 39        | 20.51                 | 20.60                    | 20.50                  | 22                  | 2        |  |
| 15                   | 16QAM      | 75      | 0         | 20.58                 | 20.62                    | 20.54                  |                     |          |  |
| 15                   | 64QAM      | 1       | 0         | 21.54                 | 21.64                    | 21.55                  |                     |          |  |
| 15                   | 64QAM      | 1       | 37        | 21.38                 | 21.53                    | 21.38                  |                     |          |  |
| 15                   | 64QAM      | 1       | 74        | 21.51                 | 21.67                    | 21.49                  | 22                  | 2        |  |
| 15                   | 64QAM      | 36      | 0         | 20.62                 | 20.68                    | 20.48                  |                     |          |  |
| 15                   | 64QAM      | 36      | 20        | 20.42                 | 20.48                    | 20.39                  |                     |          |  |
| 15                   | 64QAM      | 36      | 39        | 20.58                 | 20.63                    | 20.56                  |                     |          |  |
| 15                   | 64QAM      | 75      | 0         | 20.55                 | 20.67                    | 20.58                  | 21                  | 3        |  |
| 15                   | 256QAM     | 1       | 0         | 17.58                 | 17.62                    | 17.52                  |                     |          |  |
| 15                   | 256QAM     | 1       | 37        | 17.46                 | 17.52                    | 17.47                  |                     |          |  |
| 15                   | 256QAM     | 1       | 74        | 17.48                 | 17.52                    | 17.38                  |                     |          |  |
| 15                   | 256QAM     | 36      | 0         | 17.68                 | 17.70                    | 17.73                  | 19                  | 5        |  |
| 15                   | 256QAM     | 36      | 20        | 17.53                 | 17.62                    | 17.43                  |                     |          |  |
| 15                   | 256QAM     | 36      | 39        | 17.55                 | 17.69                    | 17.56                  |                     |          |  |
| 15                   | 256QAM     | 75      | 0         | 17.54                 | 17.65                    | 17.59                  |                     |          |  |
| Channel              |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |
| 10                   | QPSK       | 1       | 0         | 22.78                 | 22.81                    | 22.73                  | 24                  | 0        |  |
| 10                   | QPSK       | 1       | 25        | 22.56                 | 22.67                    | 22.57                  |                     |          |  |
| 10                   | QPSK       | 1       | 49        | 22.41                 | 22.48                    | 22.45                  |                     |          |  |
| 10                   | QPSK       | 25      | 0         | 21.53                 | 21.70                    | 21.50                  |                     |          |  |
| 10                   | QPSK       | 25      | 12        | 21.44                 | 21.59                    | 21.48                  | 23                  | 1        |  |
| 10                   | QPSK       | 25      | 25        | 21.53                 | 21.62                    | 21.52                  |                     |          |  |
| 10                   | QPSK       | 50      | 0         | 21.50                 | 21.56                    | 21.54                  |                     |          |  |
| 10                   | 16QAM      | 1       | 0         | 21.71                 | 21.76                    | 21.68                  |                     |          |  |
| 10                   | 16QAM      | 1       | 25        | 21.59                 | 21.73                    | 21.49                  | 23                  | 1        |  |
| 10                   | 16QAM      | 1       | 49        | 21.52                 | 21.64                    | 21.48                  |                     |          |  |
| 10                   | 16QAM      | 25      | 0         | 20.67                 | 20.68                    | 20.64                  |                     |          |  |
| 10                   | 16QAM      | 25      | 12        | 20.48                 | 20.51                    | 20.45                  |                     |          |  |
| 10                   | 16QAM      | 25      | 25        | 20.46                 | 20.58                    | 20.57                  | 22                  | 2        |  |
| 10                   | 16QAM      | 50      | 0         | 20.57                 | 20.62                    | 20.58                  |                     |          |  |
| 10                   | 64QAM      | 1       | 0         | 21.60                 | 21.61                    | 21.52                  |                     |          |  |
| 10                   | 64QAM      | 1       | 25        | 21.39                 | 21.56                    | 21.36                  |                     |          |  |
| 10                   | 64QAM      | 1       | 49        | 21.62                 | 21.65                    | 21.55                  | 22                  | 2        |  |
| 10                   | 64QAM      | 25      | 0         | 20.64                 | 20.58                    | 20.58                  |                     |          |  |
| 10                   | 64QAM      | 25      | 12        | 20.39                 | 20.54                    | 20.33                  |                     |          |  |
| 10                   | 64QAM      | 25      | 25        | 20.56                 | 20.66                    | 20.58                  |                     |          |  |
| 10                   | 64QAM      | 50      | 0         | 20.59                 | 20.73                    | 20.63                  | 21                  | 3        |  |
| 10                   | 256QAM     | 1       | 0         | 17.49                 | 17.58                    | 17.51                  |                     |          |  |
| 10                   | 256QAM     | 1       | 25        | 17.44                 | 17.45                    | 17.43                  |                     |          |  |
| 10                   | 256QAM     | 1       | 49        | 17.40                 | 17.59                    | 17.40                  |                     |          |  |
| 10                   | 256QAM     | 25      | 0         | 17.65                 | 17.69                    | 17.64                  | 19                  | 5        |  |
| 10                   | 256QAM     | 25      | 12        | 17.51                 | 17.53                    | 17.44                  |                     |          |  |
| 10                   | 256QAM     | 25      | 25        | 17.56                 | 17.73                    | 17.61                  |                     |          |  |
| 10                   | 256QAM     | 50      | 0         | 17.49                 | 17.64                    | 17.52                  |                     |          |  |
| Channel              |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)      |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |
| 5                    | QPSK       | 1       | 0         | 22.80                 | 22.79                    | 22.77                  | 24                  | 0        |  |
| 5                    | QPSK       | 1       | 12        | 22.60                 | 22.63                    | 22.59                  |                     |          |  |
| 5                    | QPSK       | 1       | 24        | 22.38                 | 22.54                    | 22.49                  |                     |          |  |
| 5                    | QPSK       | 12      | 0         | 21.50                 | 21.65                    | 21.48                  |                     |          |  |
| 5                    | QPSK       | 12      | 7         | 21.44                 | 21.54                    | 21.49                  | 23                  | 1        |  |
| 5                    | QPSK       | 12      | 13        | 21.61                 | 21.63                    | 21.52                  |                     |          |  |
| 5                    | QPSK       | 25      | 0         | 21.51                 | 21.58                    | 21.57                  |                     |          |  |
| 5                    | 16QAM      | 1       | 0         | 21.67                 | 21.77                    | 21.71                  |                     |          |  |
| 5                    | 16QAM      | 1       | 12        | 21.55                 | 21.66                    | 21.51                  | 23                  | 1        |  |
| 5                    | 16QAM      | 1       | 24        | 21.53                 | 21.61                    | 21.51                  |                     |          |  |
| 5                    | 16QAM      | 12      | 0         | 20.60                 | 20.71                    | 20.63                  |                     |          |  |
| 5                    | 16QAM      | 12      | 7         | 20.37                 | 20.52                    | 20.40                  |                     |          |  |
| 5                    | 16QAM      | 12      | 13        | 20.52                 | 20.58                    | 20.58                  | 22                  | 2        |  |
| 5                    | 16QAM      | 25      | 0         | 20.55                 | 20.66                    | 20.63                  |                     |          |  |
| 5                    | 64QAM      | 1       | 0         | 21.53                 | 21.66                    | 21.46                  |                     |          |  |
| 5                    | 64QAM      | 1       | 12        | 21.48                 | 21.48                    | 21.36                  |                     |          |  |
| 5                    | 64QAM      | 1       | 24        | 21.61                 | 21.61                    | 21.59                  | 22                  | 2        |  |
| 5                    | 64QAM      | 12      | 0         | 20.57                 | 20.66                    | 20.58                  |                     |          |  |
| 5                    | 64QAM      | 12      | 7         | 20.47                 | 20.42                    | 20.41                  |                     |          |  |
| 5                    | 64QAM      | 12      | 13        | 20.51                 | 20.56                    | 20.58                  |                     |          |  |
| 5                    | 64QAM      | 25      | 0         | 20.55                 | 20.63                    | 20.67                  | 21                  | 3        |  |
| 5                    | 256QAM     | 1       | 0         | 17.51                 | 17.62                    | 17.51                  |                     |          |  |
| 5                    | 256QAM     | 1       | 12        | 17.47                 | 17.51                    | 17.48                  |                     |          |  |
| 5                    | 256QAM     | 1       | 24        | 17.46                 | 17.53                    | 17.36                  |                     |          |  |
| 5                    | 256QAM     | 12      | 0         | 17.69                 | 17.81                    | 17.68                  | 19                  | 5        |  |
| 5                    | 256QAM     | 12      | 7         | 17.52                 | 17.55                    | 17.45                  |                     |          |  |
| 5                    | 256QAM     | 12      | 13        | 17.53                 | 17.68                    | 17.62                  |                     |          |  |
| 5                    | 256QAM     | 25      | 0         | 17.46                 | 17.60                    | 17.54                  |                     |          |  |

| Band 41 Ant1 Default |            |         |           |                       |                              |                          |                               |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz)      |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 22.89                 | 22.69                        | 22.91                    | 22.72                         | 22.76                  | 24                  | 0        |
| 20                   | QPSK       | 1       | 49        | 22.62                 | 22.63                        | 22.77                    | 22.68                         | 22.70                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 22.57                 | 22.57                        | 22.72                    | 22.67                         | 22.64                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.65                 | 22.68                        | 22.78                    | 22.70                         | 22.62                  |                     |          |
| 20                   | QPSK       | 50      | 24        | 22.55                 | 22.62                        | 22.70                    | 22.62                         | 22.55                  | 23                  | 1        |
| 20                   | QPSK       | 50      | 50        | 22.57                 | 22.53                        | 22.67                    | 22.60                         | 22.55                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.61                 | 22.60                        | 22.76                    | 22.63                         | 22.63                  |                     |          |
| 20                   | 16QAM      | 1       | 0         | 21.81                 | 21.81                        | 21.95                    | 21.86                         | 21.88                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 21.79                 | 21.77                        | 21.92                    | 21.80                         | 21.83                  | 23                  | 1        |
| 20                   | 16QAM      | 1       | 99        | 21.73                 | 21.82                        | 21.89                    | 21.79                         | 21.74                  |                     |          |
| 20                   | 16QAM      | 50      | 0         | 20.71                 | 20.70                        | 20.81                    | 20.65                         | 20.74                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 20.64                 | 20.61                        | 20.73                    | 20.68                         | 20.61                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 20.65                 | 20.64                        | 20.69                    | 20.64                         | 20.55                  | 22                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 20.83                 | 20.81                        | 20.92                    | 20.86                         | 20.84                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 20.33                 | 20.35                        | 20.48                    | 20.41                         | 20.40                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 20.28                 | 20.29                        | 20.43                    | 20.37                         | 20.29                  |                     |          |
| 20                   | 64QAM      | 1       | 99        | 20.53                 | 20.44                        | 20.60                    | 20.48                         | 20.53                  | 22                  | 2        |
| 20                   | 64QAM      | 50      | 0         | 19.59                 | 19.57                        | 19.69                    | 19.56                         | 19.55                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 19.50                 | 19.53                        | 19.65                    | 19.57                         | 19.51                  |                     |          |
| 20                   | 64QAM      | 50      | 50        | 19.61                 | 19.55                        | 19.66                    | 19.51                         | 19.52                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 19.55                 | 19.52                        | 19.62                    | 19.54                         | 19.53                  | 21                  | 3        |
| 20                   | 256QAM     | 1       | 0         | 17.69                 | 17.64                        | 17.74                    | 17.70                         | 17.62                  |                     |          |
| 20                   | 256QAM     | 1       | 49        | 17.42                 | 17.48                        | 17.57                    | 17.51                         | 17.48                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 17.68                 | 17.64                        | 17.78                    | 17.72                         | 17.71                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 17.73                 | 17.74                        | 17.80                    | 17.75                         | 17.71                  | 19                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 17.61                 | 17.51                        | 17.67                    | 17.63                         | 17.57                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 17.55                 | 17.49                        | 17.60                    | 17.52                         | 17.45                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 17.68                 | 17.58                        | 17.72                    | 17.64                         | 17.60                  |                     |          |
| Channel              |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 22.76                 | 22.56                        | 22.76                    | 22.59                         | 22.62                  | 24                  | 0        |
| 15                   | QPSK       | 1       | 37        | 22.56                 | 22.58                        | 22.73                    | 22.64                         | 22.59                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 22.46                 | 22.42                        | 22.62                    | 22.61                         | 22.56                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.80                 | 22.55                        | 22.68                    | 22.55                         | 22.53                  |                     |          |
| 15                   | QPSK       | 36      | 20        | 22.48                 | 22.46                        | 22.58                    | 22.48                         | 22.41                  | 23                  | 1        |
| 15                   | QPSK       | 36      | 39        | 22.48                 | 22.49                        | 22.53                    | 22.54                         | 22.43                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.50                 | 22.52                        | 22.70                    | 22.54                         | 22.50                  |                     |          |
| 15                   | 16QAM      | 1       | 0         | 21.88                 | 21.75                        | 21.83                    | 21.79                         | 21.82                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 21.88                 | 21.69                        | 21.79                    | 21.71                         | 21.70                  | 23                  | 1        |
| 15                   | 16QAM      | 1       | 74        | 21.80                 | 21.77                        | 21.83                    | 21.73                         | 21.67                  |                     |          |
| 15                   | 16QAM      | 36      | 0         | 20.62                 | 20.62                        | 20.74                    | 20.58                         | 20.70                  |                     |          |
| 15                   | 16QAM      | 36      | 20        | 20.50                 | 20.50                        | 20.65                    | 20.64                         | 20.51                  |                     |          |
| 15                   | 16QAM      | 36      | 39        | 20.50                 | 20.50                        | 20.55                    | 20.49                         | 20.48                  | 22                  | 2        |
| 15                   | 16QAM      | 75      | 0         | 20.78                 | 20.69                        | 20.81                    | 20.80                         | 20.75                  |                     |          |
| 15                   | 64QAM      | 1       | 0         | 20.25                 | 20.25                        | 20.43                    | 20.28                         | 20.33                  |                     |          |
| 15                   | 64QAM      | 1       | 37        | 20.13                 | 20.16                        | 20.37                    | 20.22                         | 20.20                  |                     |          |
| 15                   | 64QAM      | 1       | 74        | 20.47                 | 20.37                        | 20.45                    | 20.39                         | 20.48                  | 22                  | 2        |
| 15                   | 64QAM      | 36      | 0         | 19.47                 | 19.48                        | 19.59                    | 19.46                         | 19.39                  |                     |          |
| 15                   | 64QAM      | 36      | 20        | 19.39                 | 19.39                        | 19.50                    | 19.46                         | 19.45                  |                     |          |
| 15                   | 64QAM      | 36      | 39        | 19.54                 | 19.39                        | 19.54                    | 19.47                         | 19.38                  |                     |          |
| 15                   | 64QAM      | 75      | 0         | 19.39                 | 19.41                        | 19.49                    | 19.43                         | 19.38                  | 21                  | 3        |
| 15                   | 256QAM     | 1       | 0         | 17.58                 | 17.58                        | 17.59                    | 17.64                         | 17.56                  |                     |          |
| 15                   | 256QAM     | 1       | 37        | 17.38                 | 17.42                        | 17.48                    | 17.36                         | 17.34                  |                     |          |
| 15                   | 256QAM     | 1       | 74        | 17.64                 | 17.50                        | 17.73                    | 17.64                         | 17.34                  |                     |          |
| 15                   | 256QAM     | 36      | 0         | 17.64                 | 17.68                        | 17.75                    | 17.64                         | 17.59                  | 19                  | 5        |
| 15                   | 256QAM     | 36      | 20        | 17.50                 | 17.45                        | 17.55                    | 17.53                         | 17.45                  |                     |          |
| 15                   | 256QAM     | 36      | 39        | 17.43                 | 17.40                        | 17.54                    | 17.47                         | 17.31                  |                     |          |
| 15                   | 256QAM     | 75      | 0         | 17.59                 | 17.53                        | 17.59                    | 17.60                         | 17.54                  |                     |          |
| Channel              |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10                   | QPSK       | 1       | 0         | 22.84                 | 22.56                        | 22.85                    | 22.67                         | 22.71                  | 24                  | 0        |
| 10                   | QPSK       | 1       | 25        | 22.49                 | 22.54                        | 22.72                    | 22.62                         | 22.55                  |                     |          |
| 10                   | QPSK       | 1       | 49        | 22.42                 | 22.50                        | 22.62                    | 22.54                         | 22.50                  |                     |          |
| 10                   | QPSK       | 25      | 0         | 22.51                 | 22.55                        | 22.72                    | 22.61                         | 22.57                  |                     |          |
| 10                   | QPSK       | 25      | 12        | 22.39                 | 22.53                        | 22.59                    | 22.50                         | 22.42                  | 23                  | 1        |
| 10                   | QPSK       | 25      | 25        | 22.51                 | 22.45                        | 22.56                    | 22.55                         | 22.46                  |                     |          |
| 10                   | QPSK       | 50      | 0         | 22.56                 | 22.49                        | 22.70                    | 22.57                         | 22.48                  |                     |          |
| 10                   | 16QAM      | 1       | 0         | 21.75                 | 21.66                        | 21.84                    | 21.72                         | 21.72                  |                     |          |
| 10                   | 16QAM      | 1       | 25        | 21.63                 | 21.64                        | 21.84                    | 21.71                         | 21.74                  | 23                  | 1        |
| 10                   | 16QAM      | 1       | 49        | 21.69                 | 21.76                        | 21.79                    | 21.67                         | 21.65                  |                     |          |
| 10                   | 16QAM      | 25      | 0         | 20.64                 | 20.60                        | 20.77                    | 20.60                         | 20.68                  |                     |          |
| 10                   | 16QAM      | 25      | 12        | 20.51                 | 20.46                        | 20.57                    | 20.53                         | 20.56                  |                     |          |
| 10                   | 16QAM      | 25      | 25        | 20.57                 | 20.53                        | 20.60                    | 20.60                         | 20.46                  | 22                  | 2        |
| 10                   | 16QAM      | 50      | 0         | 20.75                 | 20.72                        | 20.87                    | 20.78                         | 20.69                  |                     |          |
| 10                   | 64QAM      | 1       | 0         | 20.21                 | 20.26                        | 20.34                    | 20.31                         | 20.33                  |                     |          |
| 10                   | 64QAM      | 1       | 25        | 20.21                 | 20.13                        | 20.36                    | 20.25                         | 20.20                  |                     |          |
| 10                   | 64QAM      | 1       | 49        | 20.41                 | 20.32                        | 20.55                    | 20.35                         | 20.42                  | 22                  | 2        |
| 10                   | 64QAM      | 25      | 0         | 19.50                 | 19.42                        | 19.59                    | 19.44                         | 19.47                  |                     |          |
| 10                   | 64QAM      | 25      | 12        | 19.43                 | 19.49                        | 19.60                    | 19.45                         | 19.39                  |                     |          |
| 10                   | 64QAM      | 25      | 25        | 19.50                 | 19.41                        | 19.56                    | 19.36                         | 19.41                  |                     |          |
| 10                   | 64QAM      | 50      | 0         | 19.46                 | 19.41                        | 19.56                    | 19.47                         | 19.39                  | 21                  | 3        |
| 10                   | 256QAM     | 1       | 0         | 17.58                 | 17.50                        | 17.65                    | 17.65                         | 17.48                  |                     |          |
| 10                   | 256QAM     | 1       | 25        | 17.34                 | 17.34                        | 17.47                    | 17.46                         | 17.33                  |                     |          |
| 10                   | 256QAM     | 1       | 49        | 17.58                 | 17.55                        | 17.65                    | 17.57                         | 17.64                  |                     |          |
| 10                   | 256QAM     | 25      | 0         | 17.64                 | 17.61                        | 17.68                    | 17.60                         | 17.58                  | 19                  | 5        |
| 10                   | 256QAM     | 25      | 12        | 17.56                 | 17.41                        | 17.52                    | 17.58                         | 17.53                  |                     |          |
| 10                   | 256QAM     | 25      | 25        | 17.44                 | 17.34                        | 17.53                    | 17.43                         | 17.33                  |                     |          |
| 10                   | 256QAM     | 50      | 0         | 17.54                 | 17.51                        | 17.58                    | 17.56                         | 17.46                  |                     |          |
| Channel              |            |         |           | 39675                 | 40148                        | 40620                    | 41093                         | 41565                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2498.5                | 2545.8                       | 2593                     | 2640.30                       | 2687.5                 |                     |          |
| 5                    | QPSK       | 1       | 0         | 22.76                 | 22.57                        | 22.84                    | 22.62                         | 22.64                  | 24                  | 0        |
| 5                    | QPSK       | 1       | 12        | 22.49                 | 22.50                        | 22.73                    | 22.58                         | 22.58                  |                     |          |
| 5                    | QPSK       | 1       | 24        | 22.46                 | 22.41                        | 22.67                    | 22.53                         | 22.58                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.56                 | 22.55                        | 22.72                    | 22.65                         | 22.58                  |                     |          |
| 5                    | QPSK       | 12      | 7         | 22.49                 | 22.56                        | 22.60                    | 22.52                         | 22.41                  | 23                  | 1        |
| 5                    | QPSK       | 12      | 13        | 22.44                 | 22.41                        | 22.59                    | 22.54                         | 22.45                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.49                 | 22.46                        | 22.65                    | 22.56                         | 22.51                  |                     |          |
| 5                    | 16QAM      | 1       | 0         | 21.77                 | 21.66                        | 21.79                    | 21.74                         | 21.74                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 21.71                 | 21.69                        | 21.79                    | 21.64                         | 21.69                  | 23                  | 1        |
| 5                    | 16QAM      | 1       | 24        | 21.64                 | 21.67                        | 21.74                    | 21.69                         | 21.68                  |                     |          |
| 5                    | 16QAM      | 12      | 0         | 20.57                 | 20.65                        | 20.66                    | 20.54                         | 20.66                  |                     |          |
| 5                    | 16QAM      | 12      | 7         | 20.58                 | 20.52                        | 20.65                    | 20.63                         | 20.47                  |                     |          |
| 5                    | 16QAM      | 12      | 13        | 20.55                 | 20.59                        | 20.58                    | 20.53                         | 20.42                  | 22                  | 2        |
| 5                    | 16QAM      | 25      | 0         | 20.75                 | 20.77                        | 20.78                    | 20.82                         | 20.72                  |                     |          |
| 5                    | 64QAM      | 1       | 0         | 20.29                 | 20.28                        | 20.40                    | 20.36                         | 20.35                  |                     |          |
| 5                    | 64QAM      | 1       | 12        | 20.20                 | 20.20                        | 20.28                    | 20.24                         | 20.24                  |                     |          |
| 5                    | 64QAM      | 1       | 24        | 20.43                 | 20.30                        | 20.52                    | 20.37                         | 20.48                  | 22                  | 2        |
| 5                    | 64QAM      | 12      | 0         | 19.53                 | 19.42                        | 19.58                    | 19.47                         | 19.48                  |                     |          |
| 5                    | 64QAM      | 12      | 7         | 19.44                 | 19.44                        | 19.51                    | 19.48                         | 19.38                  |                     |          |
| 5                    | 64QAM      | 12      | 13        | 19.51                 | 19.47                        | 19.55                    | 19.41                         | 19.43                  |                     |          |
| 5                    | 64QAM      | 25      | 0         | 19.50                 | 19.42                        | 19.55                    | 19.49                         | 19.38                  | 21                  | 3        |
| 5                    | 256QAM     | 1       | 0         | 17.55                 | 17.58                        | 17.67                    | 17.55                         | 17.54                  |                     |          |
| 5                    | 256QAM     | 1       | 12        | 17.28                 | 17.33                        | 17.45                    | 17.46                         | 17.38                  |                     |          |
| 5                    | 256QAM     | 1       | 24        | 17.62                 | 17.55                        | 17.71                    | 17.58                         | 17.59                  |                     |          |
| 5                    | 256QAM     | 12      | 0         | 17.61                 | 17.68                        | 17.70                    | 17.66                         | 17.67                  | 19                  | 5        |
| 5                    | 256QAM     | 12      | 7         | 17.55                 | 17.39                        | 17.55                    | 17.50                         | 17.47                  |                     |          |
| 5                    | 256QAM     | 12      | 13        | 17.49                 | 17.43                        | 17.51                    | 17.47                         | 17.39                  |                     |          |
| 5                    | 256QAM     | 25      | 0         | 17.55                 | 17.53                        | 17.65                    | 17.48                         | 17.46                  |                     |          |

**Band 42 FCC Part27Q Ant3 Default**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 42190                 | 42590                    | 42990                  |                     |          |
| Frequency (MHz) |            |         |           | 3460                  | 3500                     | 3540                   |                     |          |
| 20              | QPSK       | 1       | 0         | 22.88                 | 22.96                    | 22.79                  |                     |          |
| 20              | QPSK       | 1       | 49        | 22.65                 | 22.74                    | 22.65                  | 24                  | 0        |
| 20              | QPSK       | 1       | 99        | 22.71                 | 22.83                    | 22.80                  |                     |          |
| 20              | QPSK       | 50      | 0         | 21.85                 | 21.96                    | 21.85                  |                     |          |
| 20              | QPSK       | 50      | 24        | 21.86                 | 21.94                    | 21.86                  |                     |          |
| 20              | QPSK       | 50      | 50        | 21.69                 | 21.76                    | 21.63                  | 23                  | 1        |
| 20              | QPSK       | 100     | 0         | 21.86                 | 22.00                    | 21.85                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 21.83                 | 22.02                    | 21.90                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 21.77                 | 21.93                    | 21.82                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 21.96                 | 22.03                    | 21.93                  | 23                  | 1        |
| 20              | 16QAM      | 50      | 0         | 20.90                 | 21.01                    | 20.83                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 20.71                 | 20.78                    | 20.78                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 20.82                 | 20.95                    | 20.81                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 20.89                 | 21.02                    | 20.89                  | 22                  | 2        |
| 20              | 64QAM      | 1       | 0         | 20.59                 | 20.70                    | 20.69                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 20.70                 | 20.77                    | 20.69                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 20.44                 | 20.58                    | 20.51                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 20.06                 | 20.15                    | 20.10                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.90                 | 19.95                    | 19.86                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 19.85                 | 19.92                    | 19.77                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.87                 | 19.97                    | 19.84                  | 21                  | 3        |
| 20              | 256QAM     | 1       | 0         | 17.90                 | 18.01                    | 17.95                  |                     |          |
| 20              | 256QAM     | 1       | 49        | 17.74                 | 17.87                    | 17.78                  |                     |          |
| 20              | 256QAM     | 1       | 99        | 17.90                 | 17.94                    | 17.76                  |                     |          |
| 20              | 256QAM     | 50      | 0         | 18.08                 | 18.18                    | 18.13                  |                     |          |
| 20              | 256QAM     | 50      | 24        | 18.05                 | 18.14                    | 18.03                  |                     |          |
| 20              | 256QAM     | 50      | 50        | 17.83                 | 18.07                    | 17.92                  |                     |          |
| 20              | 256QAM     | 100     | 0         | 17.98                 | 18.02                    | 17.92                  | 19                  | 5        |
| Channel         |            |         |           | 42165                 | 42590                    | 43015                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3457.5                | 3500                     | 3542.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 22.74                 | 22.90                    | 22.74                  |                     |          |
| 15              | QPSK       | 1       | 37        | 22.59                 | 22.63                    | 22.52                  | 24                  | 0        |
| 15              | QPSK       | 1       | 74        | 22.57                 | 22.73                    | 22.69                  |                     |          |
| 15              | QPSK       | 36      | 0         | 21.74                 | 21.92                    | 21.78                  |                     |          |
| 15              | QPSK       | 36      | 20        | 21.76                 | 21.82                    | 21.75                  |                     |          |
| 15              | QPSK       | 36      | 39        | 21.61                 | 21.66                    | 21.51                  | 23                  | 1        |
| 15              | QPSK       | 75      | 0         | 21.70                 | 21.89                    | 21.79                  |                     |          |
| 15              | 16QAM      | 1       | 0         | 21.72                 | 21.96                    | 21.82                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 21.69                 | 21.82                    | 21.66                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 21.85                 | 21.91                    | 21.81                  | 23                  | 1        |
| 15              | 16QAM      | 36      | 0         | 20.77                 | 20.97                    | 20.78                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 20.65                 | 20.68                    | 20.70                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 20.68                 | 20.88                    | 20.75                  |                     |          |
| 15              | 16QAM      | 75      | 0         | 20.81                 | 20.92                    | 20.78                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 20.48                 | 20.59                    | 20.62                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 20.63                 | 20.63                    | 20.63                  |                     |          |
| 15              | 64QAM      | 1       | 74        | 20.36                 | 20.50                    | 20.43                  | 22                  | 2        |
| 15              | 64QAM      | 36      | 0         | 19.93                 | 20.10                    | 19.99                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.74                 | 19.88                    | 19.73                  |                     |          |
| 15              | 64QAM      | 36      | 39        | 19.76                 | 19.87                    | 19.66                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.81                 | 19.93                    | 19.70                  | 21                  | 3        |
| 15              | 256QAM     | 1       | 0         | 17.77                 | 17.88                    | 17.86                  |                     |          |
| 15              | 256QAM     | 1       | 37        | 17.66                 | 17.80                    | 17.70                  |                     |          |
| 15              | 256QAM     | 1       | 74        | 17.79                 | 17.87                    | 17.64                  |                     |          |
| 15              | 256QAM     | 36      | 0         | 18.00                 | 18.02                    | 18.08                  |                     |          |
| 15              | 256QAM     | 36      | 20        | 17.90                 | 18.09                    | 17.95                  |                     |          |
| 15              | 256QAM     | 36      | 39        | 17.76                 | 18.01                    | 17.85                  |                     |          |
| 15              | 256QAM     | 75      | 0         | 17.84                 | 17.89                    | 17.85                  | 19                  | 5        |
| Channel         |            |         |           | 42140                 | 42590                    | 43040                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3455                  | 3500                     | 3545                   |                     |          |
| 10              | QPSK       | 1       | 0         | 22.78                 | 22.86                    | 22.70                  |                     |          |
| 10              | QPSK       | 1       | 25        | 22.61                 | 22.67                    | 22.56                  | 24                  | 0        |
| 10              | QPSK       | 1       | 49        | 22.67                 | 22.71                    | 22.75                  |                     |          |
| 10              | QPSK       | 25      | 0         | 21.77                 | 21.82                    | 21.75                  |                     |          |
| 10              | QPSK       | 25      | 12        | 21.80                 | 21.84                    | 21.78                  |                     |          |
| 10              | QPSK       | 25      | 25        | 21.59                 | 21.62                    | 21.53                  | 23                  | 1        |
| 10              | QPSK       | 50      | 0         | 21.72                 | 21.87                    | 21.74                  |                     |          |
| 10              | 16QAM      | 1       | 0         | 21.68                 | 21.90                    | 21.85                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 21.69                 | 21.87                    | 21.69                  |                     |          |
| 10              | 16QAM      | 1       | 49        | 21.92                 | 21.96                    | 21.79                  | 23                  | 1        |
| 10              | 16QAM      | 25      | 0         | 20.83                 | 20.86                    | 20.68                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 20.64                 | 20.66                    | 20.71                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 20.76                 | 20.80                    | 20.66                  |                     |          |
| 10              | 16QAM      | 50      | 0         | 20.75                 | 20.91                    | 20.83                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 20.50                 | 20.55                    | 20.60                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 20.60                 | 20.72                    | 20.55                  |                     |          |
| 10              | 64QAM      | 1       | 49        | 20.32                 | 20.49                    | 20.35                  | 22                  | 2        |
| 10              | 64QAM      | 25      | 0         | 19.91                 | 20.10                    | 20.01                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.78                 | 19.90                    | 19.76                  |                     |          |
| 10              | 64QAM      | 25      | 25        | 19.71                 | 19.87                    | 19.63                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 19.76                 | 19.91                    | 19.76                  | 21                  | 3        |
| 10              | 256QAM     | 1       | 0         | 17.76                 | 17.92                    | 17.91                  |                     |          |
| 10              | 256QAM     | 1       | 25        | 17.60                 | 17.71                    | 17.71                  |                     |          |
| 10              | 256QAM     | 1       | 49        | 17.75                 | 17.79                    | 17.63                  |                     |          |
| 10              | 256QAM     | 25      | 0         | 17.96                 | 18.05                    | 18.02                  |                     |          |
| 10              | 256QAM     | 25      | 12        | 17.95                 | 18.00                    | 17.88                  |                     |          |
| 10              | 256QAM     | 25      | 25        | 17.77                 | 17.96                    | 17.79                  |                     |          |
| 10              | 256QAM     | 50      | 0         | 17.91                 | 17.87                    | 17.86                  | 19                  | 5        |
| Channel         |            |         |           | 42115                 | 42590                    | 43065                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3452.5                | 3500                     | 3547.5                 |                     |          |
| 5               | QPSK       | 1       | 0         | 22.74                 | 22.84                    | 22.70                  |                     |          |
| 5               | QPSK       | 1       | 12        | 22.51                 | 22.69                    | 22.55                  | 24                  | 0        |
| 5               | QPSK       | 1       | 24        | 22.56                 | 22.69                    | 22.66                  |                     |          |
| 5               | QPSK       | 12      | 0         | 21.77                 | 21.89                    | 21.78                  |                     |          |
| 5               | QPSK       | 12      | 7         | 21.72                 | 21.79                    | 21.71                  |                     |          |
| 5               | QPSK       | 12      | 13        | 21.55                 | 21.67                    | 21.55                  | 23                  | 1        |
| 5               | QPSK       | 25      | 0         | 21.82                 | 21.93                    | 21.76                  |                     |          |
| 5               | 16QAM      | 1       | 0         | 21.72                 | 21.97                    | 21.83                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 21.64                 | 21.77                    | 21.66                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 21.85                 | 21.88                    | 21.82                  | 23                  | 1        |
| 5               | 16QAM      | 12      | 0         | 20.81                 | 20.92                    | 20.67                  |                     |          |
| 5               | 16QAM      | 12      | 7         | 20.64                 | 20.71                    | 20.71                  |                     |          |
| 5               | 16QAM      | 12      | 13        | 20.77                 | 20.83                    | 20.67                  |                     |          |
| 5               | 16QAM      | 25      | 0         | 20.75                 | 20.86                    | 20.84                  |                     |          |
| 5               | 64QAM      | 1       | 0         | 20.47                 | 20.59                    | 20.64                  |                     |          |
| 5               | 64QAM      | 1       | 12        | 20.57                 | 20.72                    | 20.54                  |                     |          |
| 5               | 64QAM      | 1       | 24        | 20.34                 | 20.53                    | 20.43                  | 22                  | 2        |
| 5               | 64QAM      | 12      | 0         | 19.93                 | 20.01                    | 20.04                  |                     |          |
| 5               | 64QAM      | 12      | 7         | 19.82                 | 19.90                    | 19.76                  |                     |          |
| 5               | 64QAM      | 12      | 13        | 19.79                 | 19.82                    | 19.64                  |                     |          |
| 5               | 64QAM      | 25      | 0         | 19.81                 | 19.89                    | 19.76                  | 21                  | 3        |
| 5               | 256QAM     | 1       | 0         | 17.79                 | 17.89                    | 17.82                  |                     |          |
| 5               | 256QAM     | 1       | 12        | 17.58                 | 17.78                    | 17.73                  |                     |          |
| 5               | 256QAM     | 1       | 24        | 17.78                 | 17.85                    | 17.64                  |                     |          |
| 5               | 256QAM     | 12      | 0         | 17.94                 | 18.03                    | 17.99                  |                     |          |
| 5               | 256QAM     | 12      | 7         | 17.91                 | 17.98                    | 17.92                  |                     |          |
| 5               | 256QAM     | 12      | 13        | 17.74                 | 18.01                    | 17.86                  |                     |          |
| 5               | 256QAM     | 25      | 0         | 17.88                 | 17.92                    | 17.81                  | 19                  | 5        |





## Reduced Power Mode for DS12

| GSM850 Ant0 DS12 |                           |       |       |                     |                           |       |       |                     |
|------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850           | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|                  | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| TX Channel       | 824.2                     | 836.4 | 848.8 | 824.2               | 836.4                     | 848.8 | 824.2 | 836.4               |
| Frequency (MHz)  | 824.2                     | 836.4 | 848.8 | 824.2               | 836.4                     | 848.8 | 824.2 | 836.4               |
| GSM 1 Tx slot    | 31.76                     | 31.89 | 31.93 | 33.50               | 22.76                     | 22.89 | 22.93 | 24.50               |
| GPRS 1 Tx slot   | 31.74                     | 31.86 | 31.81 | 33.50               | 22.74                     | 22.86 | 22.81 | 24.50               |
| GPRS 2 Tx slots  | 29.67                     | 29.83 | 29.78 | 31.00               | 23.67                     | 23.83 | 23.78 | 25.00               |
| GPRS 3 Tx slots  | 27.83                     | 27.89 | 27.82 | 29.00               | 23.57                     | 23.63 | 23.56 | 24.74               |
| GPRS 4 Tx slots  | 26.69                     | 26.73 | 26.74 | 27.50               | 23.69                     | 23.73 | 23.74 | 24.50               |
| EDGE 1 Tx slot   | 26.20                     | 26.17 | 26.15 | 27.00               | 17.20                     | 17.17 | 17.15 | 18.00               |
| EDGE 2 Tx slots  | 25.43                     | 25.47 | 25.45 | 26.50               | 19.43                     | 19.47 | 19.45 | 20.50               |
| EDGE 3 Tx slots  | 22.73                     | 22.76 | 22.74 | 24.00               | 18.47                     | 18.50 | 18.48 | 19.74               |
| EDGE 4 Tx slots  | 20.07                     | 20.16 | 20.09 | 21.00               | 17.07                     | 17.18 | 17.09 | 18.00               |

| WCDMA V Ant0 DS12 |                   |         |       |       |
|-------------------|-------------------|---------|-------|-------|
| Band              |                   | WCDMA V |       |       |
| TX Channel        |                   | 4132    | 4182  | 4233  |
| Rx Channel        |                   | 4357    | 4407  | 4458  |
| Frequency (MHz)   |                   | 826.4   | 836.4 | 848.8 |
| 3GPP Rel 99       | AMR 12.2Kbps      | 22.58   | 22.61 | 22.55 |
| 3GPP Rel 99       | RMC 12.2Kbps      | 22.62   | 22.65 | 22.57 |
| 3GPP Rel 6        | HSDPA Subtest-1   | 21.62   | 21.64 | 21.59 |
| 3GPP Rel 6        | HSDPA Subtest-2   | 21.57   | 21.59 | 21.57 |
| 3GPP Rel 6        | HSDPA Subtest-3   | 21.16   | 21.16 | 21.01 |
| 3GPP Rel 6        | HSDPA Subtest-4   | 21.00   | 21.12 | 21.08 |
| 3GPP Rel 6        | DCHSDPA Subtest-1 | 21.63   | 21.71 | 21.51 |
| 3GPP Rel 6        | DCHSDPA Subtest-2 | 21.59   | 21.63 | 21.54 |
| 3GPP Rel 6        | DCHSDPA Subtest-3 | 21.13   | 21.27 | 20.97 |
| 3GPP Rel 6        | DCHSDPA Subtest-4 | 21.11   | 21.19 | 20.98 |
| 3GPP Rel 6        | HSPA Subtest-1    | 21.56   | 21.67 | 21.56 |
| 3GPP Rel 6        | HSPA Subtest-2    | 19.59   | 19.70 | 19.63 |
| 3GPP Rel 6        | HSPA Subtest-3    | 20.53   | 20.60 | 20.54 |
| 3GPP Rel 6        | HSPA Subtest-4    | 19.65   | 19.73 | 19.46 |
| 3GPP Rel 6        | HSPA Subtest-5    | 21.59   | 21.69 | 21.62 |

| Band 5 Ant0 DSI 2 |            |         |           |                       |                          |                        |                     |          |  |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW (MHz)          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel           |            |         |           | 20450                 | 20525                    | 20600                  |                     |          |  |  |
| Frequency (MHz)   |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |  |
| 10                | QPSK       | 1       | 0         | 22.36                 | 22.47                    | 22.41                  | 24                  | 0        |  |  |
| 10                | QPSK       | 1       | 25        | 22.22                 | 22.35                    | 22.32                  |                     |          |  |  |
| 10                | QPSK       | 1       | 49        | 22.28                 | 22.37                    | 22.34                  |                     |          |  |  |
| 10                | QPSK       | 25      | 0         | 21.44                 | 21.51                    | 21.48                  |                     |          |  |  |
| 10                | QPSK       | 25      | 12        | 21.36                 | 21.44                    | 21.38                  |                     |          |  |  |
| 10                | QPSK       | 25      | 25        | 21.26                 | 21.38                    | 21.33                  | 23                  | 1        |  |  |
| 10                | QPSK       | 50      | 0         | 21.43                 | 21.49                    | 21.41                  |                     |          |  |  |
| 10                | 16QAM      | 1       | 0         | 21.70                 | 21.85                    | 21.81                  |                     |          |  |  |
| 10                | 16QAM      | 1       | 25        | 21.61                 | 21.75                    | 21.74                  |                     |          |  |  |
| 10                | 16QAM      | 1       | 49        | 21.62                 | 21.76                    | 21.65                  |                     |          |  |  |
| 10                | 16QAM      | 25      | 0         | 20.53                 | 20.58                    | 20.51                  | 22                  | 2        |  |  |
| 10                | 16QAM      | 25      | 12        | 20.37                 | 20.46                    | 20.44                  |                     |          |  |  |
| 10                | 16QAM      | 25      | 25        | 20.22                 | 20.37                    | 20.37                  |                     |          |  |  |
| 10                | 16QAM      | 50      | 0         | 20.47                 | 20.52                    | 20.51                  |                     |          |  |  |
| 10                | 64QAM      | 1       | 0         | 20.58                 | 20.67                    | 20.67                  |                     |          |  |  |
| 10                | 64QAM      | 1       | 25        | 20.34                 | 20.51                    | 20.52                  | 22                  | 2        |  |  |
| 10                | 64QAM      | 1       | 49        | 20.65                 | 20.75                    | 20.74                  |                     |          |  |  |
| 10                | 64QAM      | 25      | 0         | 19.41                 | 19.57                    | 19.55                  |                     |          |  |  |
| 10                | 64QAM      | 25      | 12        | 19.39                 | 19.46                    | 19.39                  |                     |          |  |  |
| 10                | 64QAM      | 25      | 25        | 19.37                 | 19.52                    | 19.49                  |                     |          |  |  |
| 10                | 256QAM     | 1       | 0         | 17.40                 | 17.43                    | 17.43                  | 19                  | 5        |  |  |
| 10                | 256QAM     | 1       | 25        | 17.26                 | 17.43                    | 17.39                  |                     |          |  |  |
| 10                | 256QAM     | 1       | 49        | 17.39                 | 17.54                    | 17.48                  |                     |          |  |  |
| 10                | 256QAM     | 25      | 0         | 17.51                 | 17.59                    | 17.52                  |                     |          |  |  |
| 10                | 256QAM     | 25      | 12        | 17.28                 | 17.38                    | 17.29                  |                     |          |  |  |
| 10                | 256QAM     | 25      | 25        | 17.30                 | 17.41                    | 17.39                  | 19                  | 5        |  |  |
| 10                | 256QAM     | 50      | 0         | 17.48                 | 17.54                    | 17.46                  |                     |          |  |  |
| Channel           |            |         |           | 20425                 | 20525                    | 20595                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |  |
| 5                 | QPSK       | 1       | 0         | 22.27                 | 22.31                    | 22.34                  | 24                  | 0        |  |  |
| 5                 | QPSK       | 1       | 12        | 22.11                 | 22.24                    | 22.21                  |                     |          |  |  |
| 5                 | QPSK       | 1       | 24        | 22.23                 | 22.21                    | 22.20                  |                     |          |  |  |
| 5                 | QPSK       | 12      | 0         | 21.33                 | 21.38                    | 21.38                  |                     |          |  |  |
| 5                 | QPSK       | 12      | 7         | 21.32                 | 21.38                    | 21.31                  |                     |          |  |  |
| 5                 | QPSK       | 12      | 13        | 21.14                 | 21.25                    | 21.23                  | 23                  | 1        |  |  |
| 5                 | QPSK       | 25      | 0         | 21.32                 | 21.44                    | 21.53                  |                     |          |  |  |
| 5                 | 16QAM      | 1       | 0         | 21.64                 | 21.81                    | 21.69                  |                     |          |  |  |
| 5                 | 16QAM      | 1       | 12        | 21.49                 | 21.62                    | 21.66                  |                     |          |  |  |
| 5                 | 16QAM      | 1       | 24        | 21.49                 | 21.71                    | 21.58                  |                     |          |  |  |
| 5                 | 16QAM      | 12      | 0         | 20.43                 | 20.44                    | 20.37                  | 22                  | 2        |  |  |
| 5                 | 16QAM      | 12      | 7         | 20.30                 | 20.36                    | 20.38                  |                     |          |  |  |
| 5                 | 16QAM      | 12      | 13        | 20.26                 | 20.35                    | 20.28                  |                     |          |  |  |
| 5                 | 16QAM      | 25      | 0         | 20.38                 | 20.40                    | 20.35                  |                     |          |  |  |
| 5                 | 64QAM      | 1       | 0         | 20.53                 | 20.58                    | 20.56                  |                     |          |  |  |
| 5                 | 64QAM      | 1       | 12        | 20.26                 | 20.40                    | 20.41                  | 22                  | 2        |  |  |
| 5                 | 64QAM      | 1       | 24        | 20.52                 | 20.64                    | 20.61                  |                     |          |  |  |
| 5                 | 64QAM      | 12      | 0         | 19.27                 | 19.48                    | 19.44                  |                     |          |  |  |
| 5                 | 64QAM      | 12      | 7         | 19.25                 | 19.38                    | 19.32                  |                     |          |  |  |
| 5                 | 64QAM      | 12      | 13        | 19.30                 | 19.48                    | 19.39                  |                     |          |  |  |
| 5                 | 64QAM      | 25      | 0         | 19.30                 | 19.38                    | 19.37                  | 21                  | 3        |  |  |
| 5                 | 256QAM     | 1       | 0         | 17.31                 | 17.43                    | 17.34                  |                     |          |  |  |
| 5                 | 256QAM     | 1       | 12        | 17.21                 | 17.32                    | 17.28                  |                     |          |  |  |
| 5                 | 256QAM     | 1       | 24        | 17.23                 | 17.43                    | 17.42                  |                     |          |  |  |
| 5                 | 256QAM     | 12      | 0         | 17.37                 | 17.48                    | 17.40                  |                     |          |  |  |
| 5                 | 256QAM     | 12      | 7         | 17.22                 | 17.23                    | 17.14                  | 19                  | 5        |  |  |
| 5                 | 256QAM     | 12      | 13        | 17.18                 | 17.34                    | 17.33                  |                     |          |  |  |
| 5                 | 256QAM     | 25      | 0         | 17.37                 | 17.46                    | 17.40                  |                     |          |  |  |
| Channel           |            |         |           | 20415                 | 20525                    | 20635                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 825.5                 | 836.5                    | 847.5                  |                     |          |  |  |
| 3                 | QPSK       | 1       | 0         | 22.21                 | 22.30                    | 22.28                  | 24                  | 0        |  |  |
| 3                 | QPSK       | 1       | 8         | 22.17                 | 22.30                    | 22.17                  |                     |          |  |  |
| 3                 | QPSK       | 1       | 14        | 22.21                 | 22.24                    | 22.20                  |                     |          |  |  |
| 3                 | QPSK       | 8       | 0         | 21.40                 | 21.44                    | 21.42                  |                     |          |  |  |
| 3                 | QPSK       | 8       | 4         | 21.51                 | 21.29                    | 21.23                  |                     |          |  |  |
| 3                 | QPSK       | 8       | 7         | 21.20                 | 21.28                    | 21.24                  | 23                  | 1        |  |  |
| 3                 | QPSK       | 15      | 0         | 21.33                 | 21.37                    | 21.29                  |                     |          |  |  |
| 3                 | 16QAM      | 1       | 0         | 21.58                 | 21.71                    | 21.76                  |                     |          |  |  |
| 3                 | 16QAM      | 1       | 8         | 21.47                 | 21.65                    | 21.68                  |                     |          |  |  |
| 3                 | 16QAM      | 1       | 14        | 21.49                 | 21.71                    | 21.56                  |                     |          |  |  |
| 3                 | 16QAM      | 8       | 0         | 20.45                 | 20.47                    | 20.41                  | 22                  | 2        |  |  |
| 3                 | 16QAM      | 8       | 4         | 20.30                 | 20.34                    | 20.32                  |                     |          |  |  |
| 3                 | 16QAM      | 8       | 7         | 20.17                 | 20.22                    | 20.32                  |                     |          |  |  |
| 3                 | 16QAM      | 15      | 0         | 20.34                 | 20.44                    | 20.47                  |                     |          |  |  |
| 3                 | 64QAM      | 1       | 0         | 20.51                 | 20.54                    | 20.60                  |                     |          |  |  |
| 3                 | 64QAM      | 1       | 8         | 20.29                 | 20.39                    | 20.38                  | 22                  | 2        |  |  |
| 3                 | 64QAM      | 1       | 14        | 20.50                 | 20.62                    | 20.66                  |                     |          |  |  |
| 3                 | 64QAM      | 8       | 0         | 19.35                 | 19.50                    | 19.39                  |                     |          |  |  |
| 3                 | 64QAM      | 8       | 4         | 19.34                 | 19.42                    | 19.27                  |                     |          |  |  |
| 3                 | 64QAM      | 8       | 7         | 19.27                 | 19.43                    | 19.40                  |                     |          |  |  |
| 3                 | 64QAM      | 15      | 0         | 19.26                 | 19.40                    | 19.41                  | 21                  | 3        |  |  |
| 3                 | 256QAM     | 1       | 0         | 17.29                 | 17.40                    | 17.39                  |                     |          |  |  |
| 3                 | 256QAM     | 1       | 8         | 17.13                 | 17.31                    | 17.27                  |                     |          |  |  |
| 3                 | 256QAM     | 1       | 14        | 17.24                 | 17.42                    | 17.33                  |                     |          |  |  |
| 3                 | 256QAM     | 8       | 0         | 17.39                 | 17.47                    | 17.47                  |                     |          |  |  |
| 3                 | 256QAM     | 8       | 4         | 17.21                 | 17.30                    | 17.16                  | 19                  | 5        |  |  |
| 3                 | 256QAM     | 8       | 7         | 17.16                 | 17.32                    | 17.32                  |                     |          |  |  |
| 3                 | 256QAM     | 15      | 0         | 17.30                 | 17.40                    | 17.36                  |                     |          |  |  |
| Channel           |            |         |           | 20407                 | 20525                    | 20643                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 824.7                 | 836.5                    | 848.3                  |                     |          |  |  |
| 1.4               | QPSK       | 1       | 0         | 22.25                 | 22.35                    | 22.33                  | 24                  | 0        |  |  |
| 1.4               | QPSK       | 1       | 3         | 22.13                 | 22.29                    | 22.26                  |                     |          |  |  |
| 1.4               | QPSK       | 1       | 5         | 22.23                 | 22.26                    | 22.22                  |                     |          |  |  |
| 1.4               | QPSK       | 3       | 0         | 22.20                 | 22.38                    | 22.35                  |                     |          |  |  |
| 1.4               | QPSK       | 3       | 3         | 22.20                 | 22.30                    | 22.23                  |                     |          |  |  |
| 1.4               | QPSK       | 6       | 0         | 21.33                 | 21.35                    | 21.25                  | 23                  | 1        |  |  |
| 1.4               | 16QAM      | 1       | 0         | 21.62                 | 21.73                    | 21.70                  |                     |          |  |  |
| 1.4               | 16QAM      | 1       | 3         | 21.50                 | 21.64                    | 21.60                  |                     |          |  |  |
| 1.4               | 16QAM      | 1       | 5         | 21.50                 | 21.68                    | 21.54                  |                     |          |  |  |
| 1.4               | 16QAM      | 3       | 0         | 21.30                 | 21.32                    | 21.26                  |                     |          |  |  |
| 1.4               | 16QAM      | 3       | 1         | 21.57                 | 21.72                    | 21.65                  | 22                  | 2        |  |  |
| 1.4               | 16QAM      | 3       | 3         | 21.55                 | 21.66                    | 21.65                  |                     |          |  |  |
| 1.4               | 16QAM      | 6       | 0         | 21.56                 | 21.72                    | 21.57                  |                     |          |  |  |
| 1.4               | 64QAM      | 1       | 0         | 20.54                 | 20.56                    | 20.62                  |                     |          |  |  |
| 1.4               | 64QAM      | 1       | 3         | 20.22                 | 20.42                    | 20.41                  |                     |          |  |  |
| 1.4               | 64QAM      | 1       | 5         | 20.53                 | 20.68                    | 20.62                  | 22                  | 2        |  |  |
| 1.4               | 64QAM      | 3       | 0         | 20.58                 | 20.51                    | 20.65                  |                     |          |  |  |
| 1.4               | 64QAM      | 3       | 1         | 20.28                 | 20.47                    | 20.40                  |                     |          |  |  |
| 1.4               | 64QAM      | 3       | 3         | 20.57                 | 20.72                    | 20.62                  |                     |          |  |  |
| 1.4               | 64QAM      | 6       | 0         | 19.30                 | 19.40                    | 19.40                  |                     |          |  |  |
| 1.4               | 256QAM     | 1       | 0         | 17.32                 | 17.41                    | 17.34                  | 21                  | 3        |  |  |
| 1.4               | 256QAM     | 1       | 3         | 17.18                 | 17.37                    | 17.33                  |                     |          |  |  |
| 1.4               | 256QAM     | 1       | 5         | 17.30                 | 17.50                    | 17.33                  |                     |          |  |  |
| 1.4               | 256QAM     | 3       | 0         | 17.47                 | 17.47                    | 17.47                  |                     |          |  |  |
| 1.4               | 256QAM     | 3       | 1         | 17.21                 | 17.52                    | 17.34                  | 19                  | 5        |  |  |
| 1.4               | 256QAM     | 3       | 3         | 17.24                 | 17.33                    | 17.34                  |                     |          |  |  |
| 1.4               | 256QAM     | 6       | 0         | 17.34                 | 17.44                    | 17.31                  |                     |          |  |  |



| Band 17 Ant0 DSI 2 |            |         |           |                         |                            |                          |                           |             |  |
|--------------------|------------|---------|-----------|-------------------------|----------------------------|--------------------------|---------------------------|-------------|--|
| BW (MHz)           | Modulation | RB Size | RB Offset | Power Low<br>Ch./ Freq. | Power Middle<br>Ch./ Freq. | Power High<br>Ch./ Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Channel            |            |         |           |                         |                            |                          |                           |             |  |
| Frequency (MHz)    |            |         |           | 709                     | 710                        | 711                      |                           |             |  |
| 10                 | QPSK       | 1       | 0         | 22.39                   | 22.42                      | 22.40                    | 24                        | 0           |  |
| 10                 | QPSK       | 1       | 25        | 22.20                   | 22.26                      | 22.18                    |                           |             |  |
| 10                 | QPSK       | 1       | 49        | 22.16                   | 22.31                      | 22.23                    |                           |             |  |
| 10                 | QPSK       | 25      | 0         | 21.36                   | 21.41                      | 21.31                    |                           |             |  |
| 10                 | QPSK       | 25      | 12        | 21.17                   | 21.28                      | 21.20                    | 23                        | 1           |  |
| 10                 | QPSK       | 25      | 25        | 21.27                   | 21.36                      | 21.26                    |                           |             |  |
| 10                 | QPSK       | 50      | 0         | 21.18                   | 21.30                      | 21.22                    |                           |             |  |
| 10                 | 16QAM      | 1       | 0         | 21.46                   | 21.61                      | 21.45                    |                           |             |  |
| 10                 | 16QAM      | 1       | 25        | 21.30                   | 21.41                      | 21.31                    | 23                        | 1           |  |
| 10                 | 16QAM      | 1       | 49        | 21.30                   | 21.43                      | 21.35                    |                           |             |  |
| 10                 | 16QAM      | 25      | 0         | 20.31                   | 20.44                      | 20.36                    |                           |             |  |
| 10                 | 16QAM      | 25      | 12        | 20.43                   | 20.49                      | 20.40                    |                           |             |  |
| 10                 | 16QAM      | 25      | 25        | 20.40                   | 20.52                      | 20.46                    | 22                        | 2           |  |
| 10                 | 16QAM      | 50      | 0         | 20.21                   | 20.33                      | 20.23                    |                           |             |  |
| 10                 | 64QAM      | 1       | 0         | 20.33                   | 20.46                      | 20.34                    |                           |             |  |
| 10                 | 64QAM      | 1       | 25        | 20.28                   | 20.38                      | 20.33                    |                           |             |  |
| 10                 | 64QAM      | 1       | 49        | 20.27                   | 20.43                      | 20.29                    | 22                        | 2           |  |
| 10                 | 64QAM      | 25      | 0         | 19.45                   | 19.51                      | 19.45                    |                           |             |  |
| 10                 | 64QAM      | 25      | 12        | 19.17                   | 19.27                      | 19.16                    |                           |             |  |
| 10                 | 64QAM      | 25      | 25        | 19.34                   | 19.43                      | 19.29                    |                           |             |  |
| 10                 | 64QAM      | 50      | 0         | 19.24                   | 19.38                      | 19.30                    | 21                        | 3           |  |
| 10                 | 256QAM     | 1       | 0         | 17.39                   | 17.54                      | 17.47                    |                           |             |  |
| 10                 | 256QAM     | 1       | 25        | 17.11                   | 17.24                      | 17.20                    |                           |             |  |
| 10                 | 256QAM     | 1       | 49        | 17.32                   | 17.46                      | 17.35                    |                           |             |  |
| 10                 | 256QAM     | 25      | 0         | 17.17                   | 17.33                      | 17.20                    | 19                        | 5           |  |
| 10                 | 256QAM     | 25      | 12        | 17.10                   | 17.23                      | 17.15                    |                           |             |  |
| 10                 | 256QAM     | 25      | 25        | 17.39                   | 17.47                      | 17.43                    |                           |             |  |
| 10                 | 256QAM     | 50      | 0         | 17.26                   | 17.41                      | 17.29                    |                           |             |  |
| Channel            |            |         |           | 23755                   | 23790                      | 23825                    | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)    |            |         |           | 706.5                   | 710                        | 713.5                    |                           |             |  |
| 5                  | QPSK       | 1       | 0         | 22.27                   | 22.37                      | 22.33                    | 24                        | 0           |  |
| 5                  | QPSK       | 1       | 12        | 22.05                   | 22.16                      | 22.08                    |                           |             |  |
| 5                  | QPSK       | 1       | 24        | 22.01                   | 22.15                      | 22.16                    |                           |             |  |
| 5                  | QPSK       | 12      | 0         | 21.29                   | 21.29                      | 21.18                    |                           |             |  |
| 5                  | QPSK       | 12      | 7         | 21.06                   | 21.12                      | 21.15                    | 23                        | 1           |  |
| 5                  | QPSK       | 12      | 13        | 21.23                   | 21.22                      | 21.20                    |                           |             |  |
| 5                  | QPSK       | 25      | 0         | 21.06                   | 21.16                      | 21.10                    |                           |             |  |
| 5                  | 16QAM      | 1       | 0         | 21.34                   | 21.57                      | 21.41                    |                           |             |  |
| 5                  | 16QAM      | 1       | 12        | 21.14                   | 21.28                      | 21.15                    | 23                        | 1           |  |
| 5                  | 16QAM      | 1       | 24        | 21.20                   | 21.32                      | 21.33                    |                           |             |  |
| 5                  | 16QAM      | 12      | 0         | 20.22                   | 20.33                      | 20.22                    |                           |             |  |
| 5                  | 16QAM      | 12      | 7         | 20.39                   | 20.39                      | 20.33                    |                           |             |  |
| 5                  | 16QAM      | 12      | 13        | 20.29                   | 20.40                      | 20.36                    | 22                        | 2           |  |
| 5                  | 16QAM      | 25      | 0         | 20.14                   | 20.28                      | 20.10                    |                           |             |  |
| 5                  | 64QAM      | 1       | 0         | 20.17                   | 20.41                      | 20.20                    |                           |             |  |
| 5                  | 64QAM      | 1       | 12        | 20.17                   | 20.26                      | 20.16                    |                           |             |  |
| 5                  | 64QAM      | 1       | 24        | 20.17                   | 20.38                      | 20.14                    | 22                        | 2           |  |
| 5                  | 64QAM      | 12      | 0         | 19.35                   | 19.37                      | 19.26                    |                           |             |  |
| 5                  | 64QAM      | 12      | 7         | 19.10                   | 19.22                      | 19.10                    |                           |             |  |
| 5                  | 64QAM      | 12      | 13        | 19.28                   | 19.27                      | 19.17                    |                           |             |  |
| 5                  | 64QAM      | 25      | 0         | 19.20                   | 19.28                      | 19.25                    | 21                        | 3           |  |
| 5                  | 256QAM     | 1       | 0         | 17.29                   | 17.46                      | 17.33                    |                           |             |  |
| 5                  | 256QAM     | 1       | 12        | 17.03                   | 17.19                      | 17.06                    |                           |             |  |
| 5                  | 256QAM     | 1       | 24        | 17.27                   | 17.41                      | 17.31                    |                           |             |  |
| 5                  | 256QAM     | 12      | 0         | 17.06                   | 17.29                      | 17.09                    | 19                        | 5           |  |
| 5                  | 256QAM     | 12      | 7         | 17.02                   | 17.09                      | 17.04                    |                           |             |  |
| 5                  | 256QAM     | 12      | 13        | 17.30                   | 17.39                      | 17.29                    |                           |             |  |
| 5                  | 256QAM     | 25      | 0         | 17.20                   | 17.34                      | 17.17                    |                           |             |  |

| Band 26 for FCC Ant0 DSI 2 |            |         |           |                          |                             |                           |                        |             |       |
|----------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|-------|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Turn-up<br>limit (dBm) | MPR<br>(dB) |       |
| Channel                    |            |         |           |                          |                             |                           |                        |             |       |
| Frequency (MHz)            |            |         |           |                          |                             |                           | 831.5                  | 831.5       | 841.5 |
| 15                         | QPSK       | 1       | 0         | 22.19                    | 22.38                       | 22.25                     | 24                     | 0           |       |
| 15                         | QPSK       | 1       | 37        | 22.05                    | 22.17                       | 22.10                     |                        |             |       |
| 15                         | QPSK       | 1       | 74        | 22.15                    | 22.21                       | 22.13                     |                        |             |       |
| 15                         | QPSK       | 36      | 0         | 21.40                    | 21.46                       | 21.41                     |                        |             |       |
| 15                         | QPSK       | 36      | 20        | 21.24                    | 21.32                       | 21.26                     | 23                     | 1           |       |
| 15                         | QPSK       | 36      | 39        | 21.27                    | 21.41                       | 21.37                     |                        |             |       |
| 15                         | QPSK       | 75      | 0         | 21.28                    | 21.35                       | 21.26                     |                        |             |       |
| 15                         | 16QAM      | 1       | 0         | 21.27                    | 21.38                       | 21.31                     |                        |             |       |
| 15                         | 16QAM      | 1       | 37        | 21.19                    | 21.26                       | 21.14                     | 23                     | 1           |       |
| 15                         | 16QAM      | 1       | 74        | 21.40                    | 21.45                       | 21.29                     |                        |             |       |
| 15                         | 16QAM      | 36      | 0         | 20.41                    | 20.52                       | 20.42                     |                        |             |       |
| 15                         | 16QAM      | 36      | 20        | 20.34                    | 20.43                       | 20.34                     |                        |             |       |
| 15                         | 16QAM      | 36      | 39        | 20.22                    | 20.31                       | 20.20                     | 22                     | 2           |       |
| 15                         | 16QAM      | 75      | 0         | 20.35                    | 20.46                       | 20.36                     |                        |             |       |
| 15                         | 64QAM      | 1       | 0         | 20.37                    | 20.43                       | 20.38                     |                        |             |       |
| 15                         | 64QAM      | 1       | 37        | 20.16                    | 20.28                       | 20.12                     |                        |             |       |
| 15                         | 64QAM      | 1       | 74        | 20.26                    | 20.36                       | 20.24                     | 22                     | 2           |       |
| 15                         | 64QAM      | 36      | 0         | 19.35                    | 19.48                       | 19.41                     |                        |             |       |
| 15                         | 64QAM      | 36      | 20        | 19.11                    | 19.21                       | 19.13                     |                        |             |       |
| 15                         | 64QAM      | 36      | 39        | 19.28                    | 19.38                       | 19.29                     |                        |             |       |
| 15                         | 64QAM      | 75      | 0         | 19.39                    | 19.47                       | 19.39                     | 21                     | 3           |       |
| 15                         | 256QAM     | 1       | 0         | 17.36                    | 17.43                       | 17.37                     |                        |             |       |
| 15                         | 256QAM     | 1       | 37        | 17.23                    | 17.29                       | 17.25                     |                        |             |       |
| 15                         | 256QAM     | 1       | 74        | 17.26                    | 17.36                       | 17.29                     |                        |             |       |
| 15                         | 256QAM     | 36      | 0         | 17.45                    | 17.55                       | 17.45                     | 19                     | 5           |       |
| 15                         | 256QAM     | 36      | 20        | 17.37                    | 17.42                       | 17.34                     |                        |             |       |
| 15                         | 256QAM     | 36      | 39        | 17.23                    | 17.38                       | 17.26                     |                        |             |       |
| 15                         | 256QAM     | 75      | 0         | 17.38                    | 17.51                       | 17.42                     |                        |             |       |
| Channel                    |            |         |           |                          |                             |                           | 26740                  | 26665       | 26990 |
| Frequency (MHz)            |            |         |           |                          |                             |                           | 819                    | 831.5       | 844   |
| 10                         | QPSK       | 1       | 0         | 22.10                    | 22.22                       | 22.19                     | 24                     | 0           |       |
| 10                         | QPSK       | 1       | 25        | 22.04                    | 22.04                       | 22.01                     |                        |             |       |
| 10                         | QPSK       | 1       | 49        | 22.05                    | 22.06                       | 22.11                     |                        |             |       |
| 10                         | QPSK       | 25      | 0         | 21.27                    | 21.37                       | 21.25                     |                        |             |       |
| 10                         | QPSK       | 25      | 12        | 21.09                    | 21.25                       | 21.14                     | 23                     | 1           |       |
| 10                         | QPSK       | 25      | 25        | 21.16                    | 21.29                       | 21.31                     |                        |             |       |
| 10                         | QPSK       | 50      | 0         | 21.13                    | 21.24                       | 21.16                     |                        |             |       |
| 10                         | 16QAM      | 1       | 0         | 21.18                    | 21.27                       | 21.22                     |                        |             |       |
| 10                         | 16QAM      | 1       | 25        | 21.13                    | 21.14                       | 21.02                     | 23                     | 1           |       |
| 10                         | 16QAM      | 1       | 49        | 21.30                    | 21.37                       | 21.16                     |                        |             |       |
| 10                         | 16QAM      | 25      | 0         | 20.31                    | 20.45                       | 20.33                     |                        |             |       |
| 10                         | 16QAM      | 25      | 12        | 20.20                    | 20.31                       | 20.26                     |                        |             |       |
| 10                         | 16QAM      | 50      | 0         | 20.18                    | 20.24                       | 20.15                     | 22                     | 2           |       |
| 10                         | 16QAM      | 50      | 0         | 20.23                    | 20.30                       | 20.27                     |                        |             |       |
| 10                         | 64QAM      | 1       | 0         | 20.28                    | 20.31                       | 20.31                     |                        |             |       |
| 10                         | 64QAM      | 1       | 25        | 20.00                    | 20.13                       | 20.06                     |                        |             |       |
| 10                         | 64QAM      | 1       | 49        | 20.22                    | 20.22                       | 20.11                     | 22                     | 2           |       |
| 10                         | 64QAM      | 25      | 0         | 19.25                    | 19.41                       | 19.30                     |                        |             |       |
| 10                         | 64QAM      | 25      | 12        | 19.21                    | 19.11                       | 19.11                     |                        |             |       |
| 10                         | 64QAM      | 25      | 25        | 19.15                    | 19.29                       | 19.23                     |                        |             |       |
| 10                         | 64QAM      | 50      | 0         | 19.32                    | 19.43                       | 19.32                     | 21                     | 3           |       |
| 10                         | 256QAM     | 1       | 0         | 17.26                    | 17.28                       | 17.23                     |                        |             |       |
| 10                         | 256QAM     | 1       | 25        | 17.09                    | 17.16                       | 17.14                     |                        |             |       |
| 10                         | 256QAM     | 1       | 49        | 17.12                    | 17.31                       | 17.18                     |                        |             |       |
| 10                         | 256QAM     | 25      | 0         | 17.32                    | 17.43                       | 17.41                     | 19                     | 5           |       |
| 10                         | 256QAM     | 25      | 12        | 17.24                    | 17.28                       | 17.21                     |                        |             |       |
| 10                         | 256QAM     | 25      | 25        | 17.15                    | 17.33                       | 17.15                     |                        |             |       |
| 10                         | 256QAM     | 50      | 0         | 17.32                    | 17.40                       | 17.26                     |                        |             |       |
| Channel                    |            |         |           |                          |                             |                           | 26715                  | 26665       | 26715 |
| Frequency (MHz)            |            |         |           |                          |                             |                           | 818.5                  | 831.5       | 846.5 |
| 5                          | QPSK       | 1       | 0         | 22.14                    | 22.22                       | 22.15                     | 24                     | 0           |       |
| 5                          | QPSK       | 1       | 12        | 22.03                    | 22.13                       | 22.05                     |                        |             |       |
| 5                          | QPSK       | 1       | 24        | 22.06                    | 22.09                       | 22.01                     |                        |             |       |
| 5                          | QPSK       | 12      | 0         | 21.35                    | 21.38                       | 21.26                     |                        |             |       |
| 5                          | QPSK       | 12      | 7         | 21.20                    | 21.24                       | 21.18                     | 23                     | 1           |       |
| 5                          | QPSK       | 12      | 13        | 21.15                    | 21.35                       | 21.28                     |                        |             |       |
| 5                          | QPSK       | 25      | 0         | 21.15                    | 21.21                       | 21.12                     |                        |             |       |
| 5                          | 16QAM      | 1       | 0         | 21.14                    | 21.31                       | 21.22                     |                        |             |       |
| 5                          | 16QAM      | 1       | 12        | 21.06                    | 21.15                       | 21.03                     | 23                     | 1           |       |
| 5                          | 16QAM      | 1       | 24        | 21.35                    | 21.30                       | 21.23                     |                        |             |       |
| 5                          | 16QAM      | 12      | 0         | 20.33                    | 20.39                       | 20.32                     |                        |             |       |
| 5                          | 16QAM      | 12      | 7         | 20.21                    | 20.33                       | 20.26                     |                        |             |       |
| 5                          | 16QAM      | 12      | 13        | 20.16                    | 20.27                       | 20.09                     | 22                     | 2           |       |
| 5                          | 16QAM      | 25      | 0         | 20.22                    | 20.33                       | 20.30                     |                        |             |       |
| 5                          | 16QAM      | 25      | 7         | 20.30                    | 20.37                       | 20.34                     |                        |             |       |
| 5                          | 64QAM      | 1       | 12        | 20.08                    | 20.13                       | 20.18                     |                        |             |       |
| 5                          | 64QAM      | 1       | 24        | 20.12                    | 20.31                       | 20.18                     | 22                     | 2           |       |
| 5                          | 64QAM      | 12      | 0         | 19.30                    | 19.36                       | 19.32                     |                        |             |       |
| 5                          | 64QAM      | 12      | 7         | 19.03                    | 19.14                       | 19.01                     |                        |             |       |
| 5                          | 64QAM      | 12      | 13        | 19.13                    | 19.26                       | 19.16                     |                        |             |       |
| 5                          | 64QAM      | 25      | 0         | 19.29                    | 19.43                       | 19.23                     | 21                     | 3           |       |
| 5                          | 256QAM     | 1       | 0         | 17.21                    | 17.36                       | 17.22                     |                        |             |       |
| 5                          | 256QAM     | 1       | 12        | 17.09                    | 17.16                       | 17.17                     |                        |             |       |
| 5                          | 256QAM     | 1       | 24        | 17.16                    | 17.20                       | 17.21                     |                        |             |       |
| 5                          | 256QAM     | 12      | 0         | 17.31                    | 17.45                       | 17.34                     | 19                     | 5           |       |
| 5                          | 256QAM     | 12      | 7         | 17.28                    | 17.29                       | 17.21                     |                        |             |       |
| 5                          | 256QAM     | 12      | 13        | 17.09                    | 17.32                       | 17.21                     |                        |             |       |
| 5                          | 256QAM     | 25      | 0         | 17.30                    | 17.42                       | 17.27                     |                        |             |       |
| Channel                    |            |         |           |                          |                             |                           | 26705                  | 26665       | 26705 |
| Frequency (MHz)            |            |         |           |                          |                             |                           | 815.5                  | 831.5       | 847.5 |
| 3                          | QPSK       | 1       | 0         | 22.05                    | 22.23                       | 22.09                     | 24                     | 0           |       |
| 3                          | QPSK       | 1       | 8         | 22.04                    | 22.11                       | 22.02                     |                        |             |       |
| 3                          | QPSK       | 1       | 14        | 22.02                    | 22.07                       | 22.04                     |                        |             |       |
| 3                          | QPSK       | 8       | 0         | 21.31                    | 21.30                       | 21.23                     |                        |             |       |
| 3                          | QPSK       | 8       | 4         | 21.08                    | 21.27                       | 21.12                     | 23                     | 1           |       |
| 3                          | QPSK       | 8       | 7         | 21.17                    | 21.27                       | 21.25                     |                        |             |       |
| 3                          | QPSK       | 15      | 0         | 21.18                    | 21.22                       | 21.16                     |                        |             |       |
| 3                          | 16QAM      | 1       | 0         | 21.15                    | 21.28                       | 21.21                     |                        |             |       |
| 3                          | 16QAM      | 1       | 8         | 21.15                    | 21.18                       | 21.22                     | 23                     | 1           |       |
| 3                          | 16QAM      | 1       | 14        | 21.34                    | 21.40                       | 21.21                     |                        |             |       |
| 3                          | 16QAM      | 8       | 0         | 20.27                    | 20.36                       | 20.38                     |                        |             |       |
| 3                          | 16QAM      | 8       | 4         | 20.26                    | 20.38                       | 20.30                     |                        |             |       |
| 3                          | 16QAM      | 8       | 7         | 20.05                    | 20.21                       | 20.12                     | 22                     | 2           |       |
| 3                          | 16QAM      | 15      | 0         | 20.26                    | 20.31                       | 20.31                     |                        |             |       |
| 3                          | 64QAM      | 1       | 0         | 20.28                    | 20.37                       | 20.25                     |                        |             |       |
| 3                          | 64QAM      | 1       | 8         | 20.08                    | 20.16                       | 20.01                     |                        |             |       |
| 3                          | 64QAM      | 1       | 14        | 20.13                    | 20.29                       | 20.09                     | 22                     | 2           |       |
| 3                          | 64QAM      | 8       | 0         | 19.25                    | 19.38                       | 19.27                     |                        |             |       |
| 3                          | 64QAM      | 8       | 4         | 19.11                    | 19.12                       | 19.03                     |                        |             |       |
| 3                          | 64QAM      | 8       | 7         | 19.16                    | 19.33                       | 19.18                     |                        |             |       |
| 3                          | 64QAM      | 15      | 0         | 19.32                    | 19.37                       | 19.32                     | 21                     | 3           |       |
| 3                          | 256QAM     | 1       | 0         | 17.22                    | 17.36                       | 17.32                     |                        |             |       |
| 3                          | 256QAM     | 1       | 8         | 17.16                    | 17.20                       | 17.16                     |                        |             |       |
| 3                          | 256QAM     | 1       | 14        | 17.21                    | 17.22                       | 17.14                     |                        |             |       |
| 3                          | 256QAM     | 8       | 0         | 17.36                    | 17.44                       | 17.30                     | 19                     | 5           |       |
| 3                          | 256QAM     | 8       | 4         | 17.23                    | 17.26                       | 17.24                     |                        |             |       |
| 3                          | 256QAM     | 8       | 7         | 17.11                    | 17.24                       | 17.12                     |                        |             |       |
| 3                          | 256QAM     | 15      | 0         | 17.25                    | 17.48                       | 17.28                     |                        |             |       |
| Channel                    |            |         |           |                          |                             |                           | 26697                  | 26665       | 27033 |
| Frequency (MHz)            |            |         |           |                          |                             |                           | 814.7                  | 831.5       | 846.3 |
| 1.4                        | QPSK       | 1       | 0         | 22.05                    | 22.25                       | 22.17                     | 24                     | 0           |       |
| 1.4                        | QPSK       | 1       | 3         | 22.00                    | 22.01                       | 22.00                     |                        |             |       |
| 1.4                        | QPSK       | 1       | 5         | 22.11                    | 22.14                       | 22.03                     |                        |             |       |
| 1.4                        | QPSK       | 3       | 0         | 22.05                    | 22.12                       | 22.16                     |                        |             |       |
| 1.4                        | QPSK       | 3       | 1         | 22.00                    | 22.06                       | 22.05                     | 23                     | 1           |       |
| 1.4                        | QPSK       | 3       | 3         | 22.10                    | 22.16                       | 22.01                     |                        |             |       |
| 1.4                        | QPSK       | 6       | 0         | 21.12                    | 21.31                       | 21.17                     |                        |             |       |
| 1.4                        | 16QAM      | 1       | 0         | 21.20                    | 21.24                       | 21.17                     |                        |             |       |
| 1.4                        | 16QAM      | 1       | 3         | 21.12                    | 21.19                       | 21.05                     | 23                     | 1           |       |
| 1.4                        | 16QAM      | 1       | 5         | 21.34                    | 21.31                       | 21.18                     |                        |             |       |
| 1.4                        | 16QAM      | 3       | 0         | 21.16                    | 21.30                       | 21.26                     |                        |             |       |
| 1.4                        | 16QAM      | 3       | 1         | 21.19                    | 21.28                       | 21.12                     |                        |             |       |
| 1.4                        | 16QAM      | 6       | 0         | 20.31                    | 20.35                       | 20.29                     | 22                     | 2           |       |
| 1.4                        | 16QAM      | 6       | 1         | 20.30                    | 20.36                       | 20.32                     |                        |             |       |
| 1.4                        | 64QAM      | 1       | 3         | 20.31                    | 20.23                       | 20.07                     |                        |             |       |
| 1.4                        | 64QAM      | 1       | 5         | 20.19                    | 20.22                       | 20.08                     |                        |             |       |
| 1.4                        | 64QAM      | 3       | 0         | 20.28                    | 20.43                       | 20.27                     | 22                     | 2           |       |
| 1.4                        | 64QAM      | 3       | 1         | 20.27                    | 20.30                       | 20.24                     |                        |             |       |
| 1.4                        | 64QAM      | 3       | 3         | 20.17                    | 20.19                       | 20.09                     |                        |             |       |
| 1.4                        | 64QAM      | 6       | 0         | 19.26                    | 19.38                       | 19.26                     |                        |             |       |
| 1.4                        | 256QAM     | 1       | 0         | 17.27                    | 17.35                       | 17.31                     | 19                     | 5           |       |
| 1.4                        | 256QAM     | 1       | 3         | 17.12                    | 17.23                       | 17.21                     |                        |             |       |
| 1.4                        | 256QAM     | 1       | 5         | 17.18                    | 17.22                       | 17.24                     |                        |             |       |
| 1.4                        | 256QAM     | 3       | 0         | 17.41                    | 17.50                       | 17.36                     |                        |             |       |
| 1.4                        | 256QAM     | 3       | 1         | 17.33                    | 17.31                       | 17.28                     | 19                     | 5           |       |
| 1.4                        | 256QAM     | 3       | 3         | 17.15                    | 17.27                       | 17.12                     |                        |             |       |
| 1.4                        | 256QAM     | 6       | 0         | 17.34                    | 17.40                       | 17.31                     | 19                     | 5           |       |

| GSM1900 Ant1 DSI 2 |                           |       |        |                     |                           |       |        |
|--------------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|
| GSM1900            | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        |
|                    | 512                       | 661   | 810    |                     | 512                       | 661   | 810    |
| TX Channel         | 512                       | 661   | 810    | Limit               | 512                       | 661   | 810    |
| Frequency (MHz)    | 1850.2                    | 1860  | 1869.8 | (dBm)               | 1850.2                    | 1860  | 1869.8 |
| GSM 1 Tx slot      | 29.40                     | 29.39 | 29.32  | 30.50               | 20.40                     | 20.39 | 20.32  |
| GPRS 1 Tx slot     | 29.39                     | 29.38 | 29.30  | 30.50               | 20.39                     | 20.36 | 20.30  |
| GPRS 2 Tx slots    | 27.53                     | 27.62 | 27.52  | 28.50               | 21.53                     | 21.62 | 21.52  |
| GPRS 3 Tx slots    | 24.93                     | 24.96 | 24.80  | 26.00               | 20.67                     | 20.60 | 20.54  |
| GPRS 4 Tx slots    | 23.99                     | 23.04 | 23.08  | 24.00               | 19.99                     | 20.04 | 20.08  |
| EDGE 1 Tx slot     | 24.54                     | 24.61 | 24.61  | 25.50               | 15.54                     | 15.61 | 15.61  |
| EDGE 2 Tx slots    | 23.29                     | 23.30 | 23.30  | 24.50               | 17.29                     | 17.30 | 17.30  |
| EDGE 3 Tx slots    | 21.24                     | 21.18 | 21.09  | 22.00               | 16.98                     | 16.92 | 16.83  |
| EDGE 4 Tx slots    | 19.10                     | 19.09 | 18.99  | 20.00               | 16.10                     | 16.09 | 15.99  |

| WCDMA II Ant1 DSI 2 |                   |       |        | WCDMA IV Ant1 DSI 2 |          |        |        |
|---------------------|-------------------|-------|--------|---------------------|----------|--------|--------|
| Band                | WCDMA II          |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        |
|                     | 5262              | 5400  | 5538   |                     | 1312     | 1413   | 1513   |
| Rx Channel          | 5262              | 5400  | 5538   | Limit               | 1312     | 1413   | 1513   |
| Frequency (MHz)     | 1852.4            | 1880  | 1907.6 | (dBm)               | 1712.4   | 1732.6 | 1752.8 |
| 3GPP Rel 99         | 22.50             | 22.64 | 22.53  | 24.00               | 22.51    | 22.55  | 22.48  |
| 3GPP Rel 99         | RNC 12.2kbps      | 22.51 | 22.69  | 22.59               | 24.00    | 22.59  | 22.51  |
| 3GPP Rel 6          | HSDPA Subtest-1   | 21.63 | 21.75  | 21.52               | 23.00    | 21.56  | 21.54  |
| 3GPP Rel 6          | HSDPA Subtest-2   | 21.63 | 21.63  | 21.52               | 23.00    | 21.70  | 21.59  |
| 3GPP Rel 6          | HSDPA Subtest-3   | 21.29 | 21.24  | 21.01               | 22.50    | 21.11  | 21.24  |
| 3GPP Rel 6          | HSDPA Subtest-4   | 20.93 | 21.05  | 20.98               | 22.50    | 20.95  | 21.14  |
| 3GPP Rel 6          | DCHSDPA Subtest-1 | 21.66 | 21.65  | 21.50               | 23.00    | 21.67  | 21.63  |
| 3GPP Rel 6          | DCHSDPA Subtest-2 | 21.69 | 21.61  | 21.50               | 23.00    | 21.50  | 21.62  |
| 3GPP Rel 6          | DCHSDPA Subtest-3 | 21.07 | 21.36  | 21.00               | 22.50    | 21.24  | 21.20  |
| 3GPP Rel 6          | DCHSDPA Subtest-4 | 21.10 | 21.15  | 21.04               | 22.50    | 21.11  | 21.21  |
| 3GPP Rel 6          | HSPA Subtest-1    | 21.48 | 21.66  | 21.69               | 23.00    | 21.48  | 21.84  |
| 3GPP Rel 6          | HSPA Subtest-2    | 19.56 | 19.74  | 19.70               | 21.00    | 19.50  | 19.66  |
| 3GPP Rel 6          | HSPA Subtest-3    | 20.44 | 20.62  | 20.46               | 22.00    | 20.59  | 20.63  |
| 3GPP Rel 6          | HSPA Subtest-4    | 19.56 | 19.64  | 19.49               | 21.00    | 19.61  | 19.71  |
| 3GPP Rel 6          | HSPA Subtest-5    | 21.55 | 21.72  | 21.64               | 23.00    | 21.66  | 21.53  |



| Band 25 Ant1 DSI 2  |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
|---------------------|------------|---------|-----------|---------------------------|----------------------------|----------------------------|--------------------------|-------------|--|--|----|---|--|--|
| BW (MHz)            | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch./Freq. | Power<br>Main<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Tune-up<br>freq.<br>(dB) | MPE<br>(dB) |  |  |    |   |  |  |
| Channel             |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| Frequency (MHz)     |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 1850 1860 1865 1865 |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 20                  | QPSK       | 1       | 0         | 22.76                     | 22.83                      | 22.79                      | 24                       | 0           |  |  |    |   |  |  |
| 20                  | QPSK       | 1       | 48        | 22.80                     | 22.74                      | 22.75                      |                          |             |  |  |    |   |  |  |
| 20                  | QPSK       | 1       | 96        | 22.83                     | 22.77                      | 22.83                      |                          |             |  |  |    |   |  |  |
| 20                  | QPSK       | 50      | 0         | 21.69                     | 22.01                      | 21.68                      |                          |             |  |  |    |   |  |  |
| 20                  | QPSK       | 50      | 24        | 21.72                     | 21.80                      | 21.69                      | 23                       | 1           |  |  |    |   |  |  |
| 20                  | QPSK       | 50      | 50        | 21.77                     | 21.81                      | 21.76                      |                          |             |  |  |    |   |  |  |
| 20                  | QPSK       | 100     | 0         | 21.82                     | 21.98                      | 21.86                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 1       | 0         | 22.12                     | 22.21                      | 22.09                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 1       | 48        | 21.96                     | 22.05                      | 21.99                      | 23                       | 1           |  |  |    |   |  |  |
| 20                  | IQAM       | 1       | 96        | 21.92                     | 22.08                      | 22.00                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 50      | 0         | 20.74                     | 20.83                      | 20.71                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 50      | 24        | 20.77                     | 20.83                      | 20.72                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 50      | 50        | 20.82                     | 20.87                      | 20.86                      | 22                       | 2           |  |  |    |   |  |  |
| 20                  | IQAM       | 100     | 0         | 20.88                     | 20.92                      | 20.89                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 1       | 0         | 20.81                     | 20.94                      | 20.86                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 1       | 48        | 20.83                     | 20.98                      | 20.88                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 1       | 96        | 20.82                     | 20.98                      | 20.86                      | 21                       | 3           |  |  |    |   |  |  |
| 20                  | IQAM       | 50      | 0         | 19.85                     | 19.94                      | 19.86                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 50      | 24        | 19.73                     | 19.82                      | 19.86                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 50      | 50        | 19.86                     | 19.94                      | 19.75                      |                          |             |  |  |    |   |  |  |
| 20                  | IQAM       | 100     | 0         | 19.80                     | 19.94                      | 19.81                      | 19                       | 5           |  |  |    |   |  |  |
| 20                  | SSBQAM     | 1       | 48        | 17.68                     | 17.77                      | 17.67                      |                          |             |  |  |    |   |  |  |
| 20                  | SSBQAM     | 1       | 96        | 17.80                     | 17.82                      | 17.78                      |                          |             |  |  |    |   |  |  |
| 20                  | SSBQAM     | 50      | 0         | 17.80                     | 17.83                      | 17.82                      |                          |             |  |  |    |   |  |  |
| 20                  | SSBQAM     | 50      | 24        | 17.72                     | 17.78                      | 17.69                      | 19                       | 5           |  |  |    |   |  |  |
| 20                  | SSBQAM     | 50      | 50        | 17.82                     | 17.82                      | 17.86                      |                          |             |  |  |    |   |  |  |
| 20                  | SSBQAM     | 100     | 0         | 17.87                     | 17.86                      | 17.88                      |                          |             |  |  |    |   |  |  |
| 20                  | SSBQAM     | 100     | 0         | 17.87                     | 17.86                      | 17.88                      |                          |             |  |  |    |   |  |  |
| Channel             |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| Frequency (MHz)     |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 1857.5 1860 1867.5  |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 15                  | QPSK       | 1       | 0         | 22.69                     | 22.67                      | 22.71                      | 24                       | 0           |  |  |    |   |  |  |
| 15                  | QPSK       | 1       | 37        | 22.67                     | 22.68                      | 22.61                      |                          |             |  |  |    |   |  |  |
| 15                  | QPSK       | 1       | 74        | 22.69                     | 22.66                      | 22.58                      |                          |             |  |  |    |   |  |  |
| 15                  | QPSK       | 36      | 0         | 21.73                     | 21.93                      | 21.76                      |                          |             |  |  |    |   |  |  |
| 15                  | QPSK       | 36      | 25        | 21.68                     | 21.87                      | 21.68                      | 23                       | 1           |  |  |    |   |  |  |
| 15                  | QPSK       | 36      | 38        | 21.83                     | 21.66                      | 21.61                      |                          |             |  |  |    |   |  |  |
| 15                  | QPSK       | 75      | 0         | 21.76                     | 21.91                      | 21.76                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 1       | 0         | 21.69                     | 22.10                      | 22.01                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 1       | 37        | 21.92                     | 21.92                      | 21.88                      | 23                       | 1           |  |  |    |   |  |  |
| 15                  | IQAM       | 1       | 74        | 21.83                     | 21.87                      | 21.73                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 36      | 0         | 20.87                     | 20.77                      | 20.85                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 36      | 25        | 20.73                     | 20.76                      | 20.81                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 36      | 25        | 20.77                     | 20.79                      | 20.81                      | 22                       | 2           |  |  |    |   |  |  |
| 15                  | IQAM       | 75      | 0         | 20.77                     | 20.79                      | 20.81                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 1       | 0         | 20.73                     | 20.79                      | 20.72                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 1       | 37        | 20.71                     | 20.80                      | 20.75                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 1       | 74        | 20.85                     | 20.88                      | 20.78                      | 21                       | 3           |  |  |    |   |  |  |
| 15                  | IQAM       | 36      | 0         | 19.80                     | 19.88                      | 19.80                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 36      | 25        | 19.86                     | 19.77                      | 19.82                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 36      | 38        | 19.74                     | 19.85                      | 19.85                      |                          |             |  |  |    |   |  |  |
| 15                  | IQAM       | 75      | 0         | 19.89                     | 19.89                      | 19.76                      | 19                       | 5           |  |  |    |   |  |  |
| 15                  | SSBQAM     | 1       | 0         | 17.73                     | 17.87                      | 17.73                      |                          |             |  |  |    |   |  |  |
| 15                  | SSBQAM     | 1       | 37        | 17.58                     | 17.65                      | 17.58                      |                          |             |  |  |    |   |  |  |
| 15                  | SSBQAM     | 1       | 74        | 17.67                     | 17.87                      | 17.71                      |                          |             |  |  |    |   |  |  |
| 15                  | SSBQAM     | 36      | 0         | 17.81                     | 17.80                      | 17.82                      | 19                       | 5           |  |  |    |   |  |  |
| 15                  | SSBQAM     | 36      | 25        | 17.66                     | 17.68                      | 17.59                      |                          |             |  |  |    |   |  |  |
| 15                  | SSBQAM     | 36      | 38        | 17.75                     | 17.78                      | 17.70                      |                          |             |  |  |    |   |  |  |
| 15                  | SSBQAM     | 75      | 0         | 17.75                     | 17.87                      | 17.75                      |                          |             |  |  |    |   |  |  |
| Channel             |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| Frequency (MHz)     |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 1855 1860 1865 1865 |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 10                  | QPSK       | 1       | 0         | 22.62                     | 22.68                      | 22.61                      | 24                       | 0           |  |  |    |   |  |  |
| 10                  | QPSK       | 1       | 25        | 22.50                     | 22.67                      | 22.63                      |                          |             |  |  |    |   |  |  |
| 10                  | QPSK       | 1       | 49        | 22.53                     | 22.68                      | 22.58                      |                          |             |  |  |    |   |  |  |
| 10                  | QPSK       | 25      | 0         | 21.80                     | 21.92                      | 21.82                      |                          |             |  |  |    |   |  |  |
| 10                  | QPSK       | 25      | 12        | 21.89                     | 21.69                      | 21.49                      | 23                       | 1           |  |  |    |   |  |  |
| 10                  | QPSK       | 25      | 25        | 21.66                     | 21.67                      | 21.60                      |                          |             |  |  |    |   |  |  |
| 10                  | QPSK       | 25      | 38        | 21.76                     | 21.69                      | 21.69                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 1       | 0         | 22.00                     | 22.17                      | 21.93                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 1       | 25        | 21.85                     | 21.80                      | 21.82                      | 23                       | 1           |  |  |    |   |  |  |
| 10                  | IQAM       | 1       | 49        | 21.86                     | 21.95                      | 21.82                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 25      | 0         | 20.84                     | 20.73                      | 20.83                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 25      | 12        | 20.66                     | 20.70                      | 20.62                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 25      | 25        | 20.91                     | 20.98                      | 20.84                      | 22                       | 2           |  |  |    |   |  |  |
| 10                  | IQAM       | 50      | 0         | 20.76                     | 20.87                      | 20.78                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 1       | 0         | 20.69                     | 20.79                      | 20.78                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 1       | 25        | 20.89                     | 20.83                      | 20.82                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 1       | 49        | 20.77                     | 20.93                      | 20.78                      | 21                       | 3           |  |  |    |   |  |  |
| 10                  | IQAM       | 25      | 0         | 19.69                     | 19.90                      | 19.71                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 25      | 12        | 19.85                     | 19.72                      | 19.85                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 25      | 25        | 19.78                     | 19.68                      | 19.72                      |                          |             |  |  |    |   |  |  |
| 10                  | IQAM       | 50      | 0         | 19.66                     | 19.84                      | 19.67                      | 19                       | 5           |  |  |    |   |  |  |
| 10                  | SSBQAM     | 1       | 0         | 17.68                     | 17.84                      | 17.71                      |                          |             |  |  |    |   |  |  |
| 10                  | SSBQAM     | 1       | 25        | 17.66                     | 17.68                      | 17.58                      |                          |             |  |  |    |   |  |  |
| 10                  | SSBQAM     | 1       | 49        | 17.69                     | 17.80                      | 17.65                      |                          |             |  |  |    |   |  |  |
| 10                  | SSBQAM     | 25      | 0         | 17.82                     | 17.85                      | 17.84                      | 19                       | 5           |  |  |    |   |  |  |
| 10                  | SSBQAM     | 25      | 12        | 17.67                     | 17.69                      | 17.69                      |                          |             |  |  |    |   |  |  |
| 10                  | SSBQAM     | 25      | 25        | 17.69                     | 17.80                      | 17.62                      |                          |             |  |  |    |   |  |  |
| 10                  | SSBQAM     | 50      | 0         | 17.75                     | 17.86                      | 17.64                      |                          |             |  |  |    |   |  |  |
| Channel             |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| Frequency (MHz)     |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 1862.5 1860 1867.5  |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 5                   | QPSK       | 1       | 0         | 22.67                     | 22.71                      | 22.61                      | 24                       | 0           |  |  |    |   |  |  |
| 5                   | QPSK       | 1       | 12        | 22.53                     | 22.61                      | 22.50                      |                          |             |  |  |    |   |  |  |
| 5                   | QPSK       | 1       | 24        | 22.53                     | 22.71                      | 22.51                      |                          |             |  |  |    |   |  |  |
| 5                   | QPSK       | 13      | 0         | 21.74                     | 21.90                      | 21.84                      |                          |             |  |  |    |   |  |  |
| 5                   | QPSK       | 12      | 7         | 21.62                     | 21.74                      | 21.58                      | 23                       | 1           |  |  |    |   |  |  |
| 5                   | QPSK       | 12      | 13        | 21.73                     | 21.68                      | 21.62                      |                          |             |  |  |    |   |  |  |
| 5                   | QPSK       | 25      | 0         | 21.71                     | 21.81                      | 21.62                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 1       | 0         | 22.04                     | 22.11                      | 21.98                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 1       | 12        | 21.90                     | 22.01                      | 21.89                      | 23                       | 1           |  |  |    |   |  |  |
| 5                   | IQAM       | 1       | 24        | 21.93                     | 21.94                      | 21.87                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 12      | 5         | 20.83                     | 20.73                      | 20.87                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 12      | 7         | 20.67                     | 20.70                      | 20.61                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 12      | 13        | 20.17                     | 20.60                      | 20.47                      | 22                       | 2           |  |  |    |   |  |  |
| 5                   | IQAM       | 25      | 0         | 20.81                     | 20.88                      | 20.78                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 1       | 0         | 20.66                     | 20.84                      | 20.72                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 1       | 12        | 20.78                     | 20.88                      | 20.88                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 1       | 24        | 20.69                     | 20.93                      | 20.78                      | 22                       | 2           |  |  |    |   |  |  |
| 5                   | IQAM       | 12      | 0         | 19.77                     | 19.78                      | 19.81                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 12      | 7         | 19.66                     | 19.74                      | 19.69                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 12      | 13        | 19.71                     | 19.87                      | 19.69                      |                          |             |  |  |    |   |  |  |
| 5                   | IQAM       | 25      | 0         | 19.71                     | 19.80                      | 19.71                      | 19                       | 5           |  |  |    |   |  |  |
| 5                   | SSBQAM     | 1       | 0         | 17.75                     | 17.76                      | 17.67                      |                          |             |  |  |    |   |  |  |
| 5                   | SSBQAM     | 1       | 12        | 17.66                     | 17.64                      | 17.69                      |                          |             |  |  |    |   |  |  |
| 5                   | SSBQAM     | 1       | 24        | 17.67                     | 17.87                      | 17.69                      | 19                       | 5           |  |  |    |   |  |  |
| 5                   | SSBQAM     | 12      | 5         | 17.82                     | 17.80                      | 17.69                      |                          |             |  |  |    |   |  |  |
| 5                   | SSBQAM     | 12      | 7         | 17.67                     | 17.69                      | 17.69                      |                          |             |  |  |    |   |  |  |
| 5                   | SSBQAM     | 12      | 13        | 17.75                     | 17.78                      | 17.70                      |                          |             |  |  |    |   |  |  |
| 5                   | SSBQAM     | 25      | 0         | 17.82                     | 17.80                      | 17.84                      |                          |             |  |  |    |   |  |  |
| Channel             |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| Frequency (MHz)     |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 1860.5 1860 1860.5  |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 3                   | QPSK       | 1       | 0         | 22.71                     | 22.68                      | 22.73                      | 24                       | 0           |  |  |    |   |  |  |
| 3                   | QPSK       | 1       | 12        | 22.68                     | 22.69                      | 22.61                      |                          |             |  |  |    |   |  |  |
| 3                   | QPSK       | 1       | 24        | 22.71                     | 22.68                      | 22.61                      |                          |             |  |  |    |   |  |  |
| 3                   | QPSK       | 8       | 0         | 21.84                     | 21.90                      | 21.74                      |                          |             |  |  |    |   |  |  |
| 3                   | QPSK       | 8       | 4         | 21.85                     | 21.71                      | 21.58                      | 23                       | 1           |  |  |    |   |  |  |
| 3                   | QPSK       | 8       | 12        | 21.82                     | 21.68                      | 21.62                      |                          |             |  |  |    |   |  |  |
| 3                   | QPSK       | 16      | 0         | 21.69                     | 21.83                      | 21.79                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 0         | 22.02                     | 22.12                      | 22.00                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 12        | 21.91                     | 21.92                      | 21.89                      | 23                       | 1           |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 24        | 21.93                     | 21.94                      | 21.87                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 4         | 20.71                     | 20.78                      | 20.75                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 8         | 20.52                     | 20.62                      | 20.51                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 12        | 20.57                     | 20.64                      | 20.54                      | 22                       | 2           |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 0         | 20.68                     | 20.84                      | 20.72                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 8         | 20.70                     | 20.82                      | 20.88                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 16        | 20.78                     | 20.80                      | 20.81                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 0         | 19.72                     | 19.90                      | 19.77                      | 21                       | 3           |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 4         | 19.60                     | 19.76                      | 19.59                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 8         | 19.65                     | 19.79                      | 19.68                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 12        | 19.68                     | 19.77                      | 19.77                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 0         | 17.68                     | 17.77                      | 17.77                      | 19                       | 5           |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 8         | 17.67                     | 17.74                      | 17.74                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 1       | 16        | 17.71                     | 17.79                      | 17.60                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 0         | 17.80                     | 17.82                      | 17.80                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 4         | 17.61                     | 17.62                      | 17.63                      | 19                       | 5           |  |  |    |   |  |  |
| 3                   | IQAM       | 8       | 8         | 17.73                     | 17.79                      | 17.79                      |                          |             |  |  |    |   |  |  |
| 3                   | IQAM       | 16      | 0         | 17.72                     | 17.86                      | 17.84                      |                          |             |  |  |    |   |  |  |
| Channel             |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| Frequency (MHz)     |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 1860.7 1860 1860.7  |            |         |           |                           |                            |                            |                          |             |  |  |    |   |  |  |
| 1.4                 | QPSK       | 1       | 0         | 22.66                     | 22.76                      | 22.72                      |                          |             |  |  | 24 | 0 |  |  |
| 1.4                 | QPSK       | 1       | 12        | 22.62                     | 22.76                      | 22.72                      |                          |             |  |  |    |   |  |  |
| 1.4                 | QPSK       | 1       | 24        | 22.65                     | 22.68                      | 22.61                      |                          |             |  |  |    |   |  |  |
| 1.4                 | QPSK       | 3       | 0         | 22.65                     | 22.76                      | 22.63                      |                          |             |  |  |    |   |  |  |
| 1.4                 | QPSK       | 3       | 3         | 22.64                     | 22.68                      | 22.61                      | 23                       | 1           |  |  |    |   |  |  |
| 1.4                 | QPSK       | 3       | 6         | 22.65                     | 22.68                      | 22.61                      |                          |             |  |  |    |   |  |  |
| 1.4                 | QPSK       | 6       | 0         | 21.76                     | 21.88                      | 21.77                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 1       | 0         | 21.87                     | 21.90                      | 21.88                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 1       | 3         | 21.84                     | 21.91                      | 21.87                      | 23                       | 1           |  |  |    |   |  |  |
| 1.4                 | IQAM       | 1       | 6         | 21.85                     | 21.88                      | 21.79                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 3       | 0         | 21.80                     | 21.94                      | 21.84                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 3       | 3         | 21.82                     | 21.87                      | 21.82                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 6       | 0         | 20.68                     | 20.80                      | 20.81                      | 22                       | 2           |  |  |    |   |  |  |
| 1.4                 | IQAM       | 6       | 3         | 20.69                     | 20.82                      | 20.74                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 3       | 6         | 20.70                     | 20.84                      | 20.74                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 3       | 9         | 20.72                     | 20.88                      | 20.79                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 6       | 0         | 19.78                     | 19.90                      | 19.79                      | 21                       | 3           |  |  |    |   |  |  |
| 1.4                 | IQAM       | 6       | 3         | 19.75                     | 19.85                      | 19.75                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 6       | 6         | 19.74                     | 19.88                      | 19.73                      |                          |             |  |  |    |   |  |  |
| 1.4                 | IQAM       | 6       | 9         | 17.66                     | 17.82                      | 17.67                      |                          |             |  |  |    |   |  |  |
| 1.4                 | SSBQAM     | 1       | 0         | 17.52                     | 17.71                      | 17.60                      | 19                       | 5           |  |  |    |   |  |  |
| 1.4                 | SSBQAM     | 1       | 3         | 17.68                     | 17.68                      | 17.64                      |                          |             |  |  |    |   |  |  |
| 1.4                 | SSBQAM     | 1       | 6         | 17.65                     | 17.62                      | 17.62                      |                          |             |  |  |    |   |  |  |
| 1.4                 | SSBQAM     | 3       | 0         | 17.60                     | 17.69                      | 17.59                      |                          |             |  |  |    |   |  |  |
| 1.4                 | SSBQAM     | 3       | 3         | 17.77                     | 17.84                      | 17.78                      |                          |             |  |  |    |   |  |  |
| 1.4                 | SSBQAM     | 6       | 0         | 17.86                     | 17.86                      | 17.82                      |                          |             |  |  |    |   |  |  |
| 1.4                 | SSBQAM     | 6       | 3         | 17.87                     | 17.87                      | 17.83                      |                          |             |  |  |    |   |  |  |

| Band 38 Ant1 DSI 2 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|--------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|--|--|
| BW [MHz]           | 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                  |                     |          |  |  |  |  |  |
| Frequency (MHz)    |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |  |  |  |  |
| 20                 | QPSK       | 1       | 0         | 22.86                 | 22.92                    | 22.82                  | 24                  | 0        |  |  |  |  |  |
| 20                 | QPSK       | 1       | 49        | 22.86                 | 22.74                    | 22.67                  |                     |          |  |  |  |  |  |
| 20                 | QPSK       | 50      | 0         | 21.64                 | 21.78                    | 21.63                  | 23                  | 1        |  |  |  |  |  |
| 20                 | QPSK       | 50      | 24        | 21.55                 | 21.68                    | 21.62                  |                     |          |  |  |  |  |  |
| 20                 | QPSK       | 50      | 50        | 21.66                 | 21.75                    | 21.61                  | 23                  | 1        |  |  |  |  |  |
| 20                 | QPSK       | 100     | 0         | 21.61                 | 21.70                    | 21.62                  |                     |          |  |  |  |  |  |
| 20                 | 16QAM      | 1       | 0         | 21.79                 | 21.90                    | 21.79                  | 23                  | 1        |  |  |  |  |  |
| 20                 | 16QAM      | 1       | 49        | 21.66                 | 21.79                    | 21.65                  |                     |          |  |  |  |  |  |
| 20                 | 16QAM      | 1       | 99        | 21.64                 | 21.73                    | 21.59                  | 22                  | 2        |  |  |  |  |  |
| 20                 | 16QAM      | 50      | 0         | 20.72                 | 20.82                    | 20.75                  |                     |          |  |  |  |  |  |
| 20                 | 16QAM      | 50      | 24        | 20.53                 | 20.63                    | 20.54                  | 22                  | 2        |  |  |  |  |  |
| 20                 | 16QAM      | 50      | 50        | 20.61                 | 20.70                    | 20.66                  |                     |          |  |  |  |  |  |
| 20                 | 16QAM      | 100     | 0         | 20.67                 | 20.73                    | 20.67                  | 22                  | 2        |  |  |  |  |  |
| 20                 | 64QAM      | 1       | 0         | 21.66                 | 21.75                    | 21.61                  |                     |          |  |  |  |  |  |
| 20                 | 64QAM      | 1       | 49        | 21.53                 | 21.61                    | 21.50                  | 22                  | 2        |  |  |  |  |  |
| 20                 | 64QAM      | 1       | 99        | 21.66                 | 21.73                    | 21.64                  |                     |          |  |  |  |  |  |
| 20                 | 64QAM      | 50      | 0         | 20.70                 | 20.74                    | 20.62                  | 21                  | 3        |  |  |  |  |  |
| 20                 | 64QAM      | 50      | 24        | 20.52                 | 20.58                    | 20.46                  |                     |          |  |  |  |  |  |
| 20                 | 64QAM      | 50      | 50        | 20.66                 | 20.72                    | 20.67                  | 21                  | 3        |  |  |  |  |  |
| 20                 | 64QAM      | 100     | 0         | 20.64                 | 20.78                    | 20.73                  |                     |          |  |  |  |  |  |
| 20                 | 256QAM     | 1       | 0         | 17.63                 | 17.70                    | 17.58                  | 19                  | 5        |  |  |  |  |  |
| 20                 | 256QAM     | 1       | 49        | 17.52                 | 17.61                    | 17.56                  |                     |          |  |  |  |  |  |
| 20                 | 256QAM     | 1       | 99        | 17.55                 | 17.64                    | 17.51                  | 19                  | 5        |  |  |  |  |  |
| 20                 | 256QAM     | 50      | 0         | 17.78                 | 17.85                    | 17.78                  |                     |          |  |  |  |  |  |
| 20                 | 256QAM     | 50      | 24        | 17.58                 | 17.68                    | 17.59                  | 19                  | 5        |  |  |  |  |  |
| 20                 | 256QAM     | 50      | 50        | 17.62                 | 17.77                    | 17.64                  |                     |          |  |  |  |  |  |
| 20                 | 256QAM     | 100     | 0         | 17.61                 | 17.76                    | 17.68                  |                     |          |  |  |  |  |  |
| Channel            |            |         |           | 37625                 | 38000                    | 38175                  |                     |          |  |  |  |  |  |
| Frequency (MHz)    |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |  |  |  |  |
| 15                 | QPSK       | 1       | 0         | 22.76                 | 22.79                    | 22.71                  | 24                  | 0        |  |  |  |  |  |
| 15                 | QPSK       | 1       | 37        | 22.57                 | 22.60                    | 22.63                  |                     |          |  |  |  |  |  |
| 15                 | QPSK       | 1       | 74        | 22.43                 | 22.49                    | 22.49                  | 23                  | 1        |  |  |  |  |  |
| 15                 | QPSK       | 36      | 0         | 21.60                 | 21.71                    | 21.53                  |                     |          |  |  |  |  |  |
| 15                 | QPSK       | 36      | 20        | 21.40                 | 21.52                    | 21.52                  | 23                  | 1        |  |  |  |  |  |
| 15                 | QPSK       | 36      | 39        | 21.54                 | 21.66                    | 21.57                  |                     |          |  |  |  |  |  |
| 15                 | QPSK       | 75      | 0         | 21.55                 | 21.59                    | 21.50                  | 23                  | 1        |  |  |  |  |  |
| 15                 | 16QAM      | 1       | 0         | 21.71                 | 21.81                    | 21.66                  |                     |          |  |  |  |  |  |
| 15                 | 16QAM      | 1       | 37        | 21.51                 | 21.66                    | 21.50                  | 22                  | 2        |  |  |  |  |  |
| 15                 | 16QAM      | 1       | 74        | 21.55                 | 21.57                    | 21.45                  |                     |          |  |  |  |  |  |
| 15                 | 16QAM      | 36      | 0         | 20.36                 | 20.73                    | 20.69                  | 22                  | 2        |  |  |  |  |  |
| 15                 | 16QAM      | 36      | 20        | 20.39                 | 20.50                    | 20.49                  |                     |          |  |  |  |  |  |
| 15                 | 16QAM      | 36      | 39        | 20.51                 | 20.60                    | 20.50                  | 22                  | 2        |  |  |  |  |  |
| 15                 | 16QAM      | 75      | 0         | 20.58                 | 20.62                    | 20.54                  |                     |          |  |  |  |  |  |
| 15                 | 64QAM      | 1       | 0         | 21.54                 | 21.64                    | 21.55                  | 22                  | 2        |  |  |  |  |  |
| 15                 | 64QAM      | 1       | 37        | 21.38                 | 21.53                    | 21.38                  |                     |          |  |  |  |  |  |
| 15                 | 64QAM      | 1       | 74        | 21.51                 | 21.67                    | 21.49                  | 21                  | 3        |  |  |  |  |  |
| 15                 | 64QAM      | 36      | 0         | 20.62                 | 20.68                    | 20.48                  |                     |          |  |  |  |  |  |
| 15                 | 64QAM      | 36      | 20        | 20.42                 | 20.48                    | 20.39                  | 21                  | 3        |  |  |  |  |  |
| 15                 | 64QAM      | 36      | 39        | 20.58                 | 20.63                    | 20.56                  |                     |          |  |  |  |  |  |
| 15                 | 64QAM      | 75      | 0         | 20.55                 | 20.67                    | 20.58                  | 19                  | 5        |  |  |  |  |  |
| 15                 | 256QAM     | 1       | 0         | 17.58                 | 17.62                    | 17.52                  |                     |          |  |  |  |  |  |
| 15                 | 256QAM     | 1       | 37        | 17.46                 | 17.52                    | 17.47                  | 19                  | 5        |  |  |  |  |  |
| 15                 | 256QAM     | 1       | 74        | 17.48                 | 17.52                    | 17.38                  |                     |          |  |  |  |  |  |
| 15                 | 256QAM     | 36      | 0         | 17.68                 | 17.70                    | 17.73                  | 19                  | 5        |  |  |  |  |  |
| 15                 | 256QAM     | 36      | 20        | 17.53                 | 17.62                    | 17.43                  |                     |          |  |  |  |  |  |
| 15                 | 256QAM     | 36      | 39        | 17.55                 | 17.69                    | 17.56                  | 19                  | 5        |  |  |  |  |  |
| 15                 | 256QAM     | 75      | 0         | 17.54                 | 17.65                    | 17.59                  |                     |          |  |  |  |  |  |
| Channel            |            |         |           | 37600                 | 38000                    | 38200                  |                     |          |  |  |  |  |  |
| Frequency (MHz)    |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |  |  |  |  |
| 10                 | QPSK       | 1       | 0         | 22.78                 | 22.81                    | 22.73                  | 24                  | 0        |  |  |  |  |  |
| 10                 | QPSK       | 1       | 25        | 22.56                 | 22.67                    | 22.57                  |                     |          |  |  |  |  |  |
| 10                 | QPSK       | 1       | 49        | 22.41                 | 22.46                    | 22.45                  | 23                  | 1        |  |  |  |  |  |
| 10                 | QPSK       | 25      | 0         | 21.53                 | 21.70                    | 21.50                  |                     |          |  |  |  |  |  |
| 10                 | QPSK       | 25      | 12        | 21.44                 | 21.59                    | 21.48                  | 23                  | 1        |  |  |  |  |  |
| 10                 | QPSK       | 25      | 25        | 21.53                 | 21.62                    | 21.52                  |                     |          |  |  |  |  |  |
| 10                 | QPSK       | 50      | 0         | 21.50                 | 21.56                    | 21.54                  | 23                  | 1        |  |  |  |  |  |
| 10                 | 16QAM      | 1       | 0         | 21.71                 | 21.76                    | 21.68                  |                     |          |  |  |  |  |  |
| 10                 | 16QAM      | 1       | 25        | 21.59                 | 21.73                    | 21.49                  | 23                  | 1        |  |  |  |  |  |
| 10                 | 16QAM      | 1       | 49        | 21.52                 | 21.64                    | 21.48                  |                     |          |  |  |  |  |  |
| 10                 | 16QAM      | 25      | 0         | 20.67                 | 20.68                    | 20.64                  | 22                  | 2        |  |  |  |  |  |
| 10                 | 16QAM      | 25      | 12        | 20.48                 | 20.51                    | 20.45                  |                     |          |  |  |  |  |  |
| 10                 | 16QAM      | 25      | 25        | 20.46                 | 20.58                    | 20.57                  | 22                  | 2        |  |  |  |  |  |
| 10                 | 16QAM      | 50      | 0         | 20.57                 | 20.62                    | 20.58                  |                     |          |  |  |  |  |  |
| 10                 | 64QAM      | 1       | 0         | 21.60                 | 21.61                    | 21.52                  | 22                  | 2        |  |  |  |  |  |
| 10                 | 64QAM      | 1       | 25        | 21.39                 | 21.56                    | 21.36                  |                     |          |  |  |  |  |  |
| 10                 | 64QAM      | 1       | 49        | 21.62                 | 21.65                    | 21.55                  | 21                  | 3        |  |  |  |  |  |
| 10                 | 64QAM      | 25      | 0         | 20.64                 | 20.58                    | 20.58                  |                     |          |  |  |  |  |  |
| 10                 | 64QAM      | 25      | 12        | 20.39                 | 20.54                    | 20.33                  | 21                  | 3        |  |  |  |  |  |
| 10                 | 64QAM      | 25      | 25        | 20.56                 | 20.66                    | 20.58                  |                     |          |  |  |  |  |  |
| 10                 | 64QAM      | 50      | 0         | 20.59                 | 20.73                    | 20.63                  | 19                  | 5        |  |  |  |  |  |
| 10                 | 256QAM     | 1       | 0         | 17.49                 | 17.58                    | 17.51                  |                     |          |  |  |  |  |  |
| 10                 | 256QAM     | 1       | 25        | 17.44                 | 17.45                    | 17.43                  | 19                  | 5        |  |  |  |  |  |
| 10                 | 256QAM     | 1       | 49        | 17.40                 | 17.59                    | 17.40                  |                     |          |  |  |  |  |  |
| 10                 | 256QAM     | 25      | 0         | 17.65                 | 17.69                    | 17.64                  | 19                  | 5        |  |  |  |  |  |
| 10                 | 256QAM     | 25      | 12        | 17.51                 | 17.53                    | 17.44                  |                     |          |  |  |  |  |  |
| 10                 | 256QAM     | 25      | 25        | 17.56                 | 17.73                    | 17.61                  | 19                  | 5        |  |  |  |  |  |
| 10                 | 256QAM     | 50      | 0         | 17.49                 | 17.64                    | 17.52                  |                     |          |  |  |  |  |  |
| Channel            |            |         |           | 37775                 | 38000                    | 38225                  |                     |          |  |  |  |  |  |
| Frequency (MHz)    |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |  |  |  |  |
| 5                  | QPSK       | 1       | 0         | 22.80                 | 22.79                    | 22.77                  | 24                  | 0        |  |  |  |  |  |
| 5                  | QPSK       | 1       | 12        | 22.60                 | 22.63                    | 22.59                  |                     |          |  |  |  |  |  |
| 5                  | QPSK       | 1       | 24        | 22.38                 | 22.54                    | 22.49                  | 23                  | 1        |  |  |  |  |  |
| 5                  | QPSK       | 12      | 0         | 21.50                 | 21.65                    | 21.48                  |                     |          |  |  |  |  |  |
| 5                  | QPSK       | 12      | 7         | 21.44                 | 21.54                    | 21.49                  | 23                  | 1        |  |  |  |  |  |
| 5                  | QPSK       | 12      | 13        | 21.61                 | 21.63                    | 21.52                  |                     |          |  |  |  |  |  |
| 5                  | QPSK       | 25      | 0         | 21.51                 | 21.58                    | 21.57                  | 23                  | 1        |  |  |  |  |  |
| 5                  | 16QAM      | 1       | 0         | 21.67                 | 21.77                    | 21.71                  |                     |          |  |  |  |  |  |
| 5                  | 16QAM      | 1       | 12        | 21.55                 | 21.66                    | 21.51                  | 23                  | 1        |  |  |  |  |  |
| 5                  | 16QAM      | 1       | 24        | 21.53                 | 21.61                    | 21.51                  |                     |          |  |  |  |  |  |
| 5                  | 16QAM      | 12      | 0         | 20.60                 | 20.71                    | 20.63                  | 22                  | 2        |  |  |  |  |  |
| 5                  | 16QAM      | 12      | 7         | 20.37                 | 20.52                    | 20.40                  |                     |          |  |  |  |  |  |
| 5                  | 16QAM      | 12      | 13        | 20.52                 | 20.58                    | 20.58                  | 22                  | 2        |  |  |  |  |  |
| 5                  | 16QAM      | 25      | 0         | 20.55                 | 20.66                    | 20.63                  |                     |          |  |  |  |  |  |
| 5                  | 64QAM      | 1       | 0         | 21.53                 | 21.66                    | 21.46                  | 22                  | 2        |  |  |  |  |  |
| 5                  | 64QAM      | 1       | 12        | 21.48                 | 21.48                    | 21.36                  |                     |          |  |  |  |  |  |
| 5                  | 64QAM      | 1       | 24        | 21.61                 | 21.61                    | 21.59                  | 21                  | 3        |  |  |  |  |  |
| 5                  | 64QAM      | 12      | 0         | 20.57                 | 20.66                    | 20.58                  |                     |          |  |  |  |  |  |
| 5                  | 64QAM      | 12      | 7         | 20.47                 | 20.42                    | 20.41                  | 21                  | 3        |  |  |  |  |  |
| 5                  | 64QAM      | 12      | 13        | 20.51                 | 20.56                    | 20.49                  |                     |          |  |  |  |  |  |
| 5                  | 64QAM      | 25      | 0         | 20.58                 | 20.63                    | 20.67                  | 19                  | 5        |  |  |  |  |  |
| 5                  | 256QAM     | 1       | 0         | 17.51                 | 17.62                    | 17.51                  |                     |          |  |  |  |  |  |
| 5                  | 256QAM     | 1       | 12        | 17.47                 | 17.51                    | 17.48                  | 19                  | 5        |  |  |  |  |  |
| 5                  | 256QAM     | 1       | 24        | 17.46                 | 17.53                    | 17.36                  |                     |          |  |  |  |  |  |
| 5                  | 256QAM     | 12      | 0         | 17.69                 | 17.81                    | 17.68                  | 19                  | 5        |  |  |  |  |  |
| 5                  | 256QAM     | 12      | 7         | 17.52                 | 17.55                    | 17.46                  |                     |          |  |  |  |  |  |
| 5                  | 256QAM     | 12      | 13        | 17.53                 | 17.68                    | 17.62                  | 19                  | 5        |  |  |  |  |  |
| 5                  | 256QAM     | 25      | 0         | 17.46                 | 17.60                    | 17.54                  |                     |          |  |  |  |  |  |

| Band 42 FCC Part27Q Ant3 DSI 2 |            |         |           |                             |                                |                              |                        |             |  |
|--------------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| 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                        |            |         |           | 42190                       | 42590                          | 42990                        | 22.7                   | 0           |  |
| Frequency (MHz)                |            |         |           | 3460                        | 3500                           | 3540                         |                        |             |  |
| 20                             | QPSK       | 1       | 0         | 21.66                       | 21.76                          | 21.57                        | 22.7                   | 0           |  |
| 20                             | QPSK       | 1       | 49        | 21.51                       | 21.60                          | 21.48                        |                        |             |  |
| 20                             | QPSK       | 1       | 99        | 21.54                       | 21.63                          | 21.63                        |                        |             |  |
| 20                             | QPSK       | 50      | 0         | 21.55                       | 21.55                          | 21.44                        | 22.7                   | 0           |  |
| 20                             | QPSK       | 50      | 24        | 21.43                       | 21.44                          | 21.44                        |                        |             |  |
| 20                             | QPSK       | 50      | 50        | 21.37                       | 21.52                          | 21.46                        |                        |             |  |
| 20                             | QPSK       | 100     | 0         | 21.44                       | 21.52                          | 21.37                        | 22.7                   | 0           |  |
| 20                             | 16QAM      | 1       | 0         | 21.25                       | 21.31                          | 21.36                        |                        |             |  |
| 20                             | 16QAM      | 1       | 49        | 21.30                       | 21.38                          | 21.37                        |                        |             |  |
| 20                             | 16QAM      | 1       | 99        | 21.46                       | 21.43                          | 21.34                        | 22                     | 0.7         |  |
| 20                             | 16QAM      | 50      | 0         | 21.10                       | 21.21                          | 21.03                        |                        |             |  |
| 20                             | 16QAM      | 50      | 24        | 20.91                       | 20.98                          | 20.98                        |                        |             |  |
| 20                             | 16QAM      | 50      | 50        | 21.02                       | 21.15                          | 21.01                        | 22                     | 0.7         |  |
| 20                             | 16QAM      | 100     | 0         | 21.09                       | 21.22                          | 21.09                        |                        |             |  |
| 20                             | 64QAM      | 1       | 0         | 20.79                       | 20.90                          | 20.89                        |                        |             |  |
| 20                             | 64QAM      | 1       | 49        | 20.90                       | 20.97                          | 20.89                        | 21                     | 1.7         |  |
| 20                             | 64QAM      | 1       | 99        | 20.64                       | 20.78                          | 20.71                        |                        |             |  |
| 20                             | 64QAM      | 50      | 0         | 20.26                       | 20.35                          | 20.30                        |                        |             |  |
| 20                             | 64QAM      | 50      | 24        | 20.10                       | 20.15                          | 20.06                        | 19                     | 3.7         |  |
| 20                             | 64QAM      | 50      | 50        | 20.05                       | 20.12                          | 19.97                        |                        |             |  |
| 20                             | 64QAM      | 100     | 0         | 20.07                       | 20.17                          | 20.04                        |                        |             |  |
| 20                             | 256QAM     | 1       | 0         | 18.10                       | 18.21                          | 18.15                        | 19                     | 3.7         |  |
| 20                             | 256QAM     | 1       | 49        | 17.94                       | 18.07                          | 17.98                        |                        |             |  |
| 20                             | 256QAM     | 1       | 99        | 18.10                       | 18.14                          | 17.96                        |                        |             |  |
| 20                             | 256QAM     | 50      | 0         | 18.28                       | 18.36                          | 18.33                        | 19                     | 3.7         |  |
| 20                             | 256QAM     | 50      | 24        | 18.25                       | 18.34                          | 18.23                        |                        |             |  |
| 20                             | 256QAM     | 50      | 50        | 18.03                       | 18.27                          | 18.12                        |                        |             |  |
| 20                             | 256QAM     | 100     | 0         | 18.18                       | 18.22                          | 18.12                        | 22.7                   | 0           |  |
| Channel                        |            |         |           | 42165                       | 42590                          | 43015                        |                        |             |  |
| Frequency (MHz)                |            |         |           | 3452.5                      | 3500                           | 3542.5                       | 22.7                   | 0           |  |
| 15                             | QPSK       | 1       | 0         | 21.57                       | 21.62                          | 21.45                        |                        |             |  |
| 15                             | QPSK       | 1       | 37        | 21.44                       | 21.46                          | 21.38                        | 22.7                   | 0           |  |
| 15                             | QPSK       | 1       | 74        | 21.48                       | 21.57                          | 21.53                        |                        |             |  |
| 15                             | QPSK       | 36      | 0         | 21.43                       | 21.44                          | 21.34                        |                        |             |  |
| 15                             | QPSK       | 36      | 20        | 21.35                       | 21.35                          | 21.39                        | 22.7                   | 0           |  |
| 15                             | QPSK       | 36      | 39        | 21.23                       | 21.42                          | 21.39                        |                        |             |  |
| 15                             | QPSK       | 75      | 0         | 21.36                       | 21.45                          | 21.29                        |                        |             |  |
| 15                             | 16QAM      | 1       | 0         | 21.19                       | 21.25                          | 21.28                        | 22.7                   | 0           |  |
| 15                             | 16QAM      | 1       | 37        | 21.20                       | 21.30                          | 21.30                        |                        |             |  |
| 15                             | 16QAM      | 1       | 74        | 21.40                       | 21.28                          | 21.22                        |                        |             |  |
| 15                             | 16QAM      | 36      | 0         | 20.77                       | 20.97                          | 20.76                        | 22                     | 0.7         |  |
| 15                             | 16QAM      | 36      | 20        | 20.95                       | 20.68                          | 20.70                        |                        |             |  |
| 15                             | 16QAM      | 36      | 39        | 20.68                       | 20.88                          | 20.75                        |                        |             |  |
| 15                             | 16QAM      | 75      | 0         | 20.81                       | 20.92                          | 20.78                        | 22                     | 0.7         |  |
| 15                             | 64QAM      | 1       | 0         | 20.48                       | 20.59                          | 20.62                        |                        |             |  |
| 15                             | 64QAM      | 1       | 37        | 20.63                       | 20.63                          | 20.63                        |                        |             |  |
| 15                             | 64QAM      | 1       | 74        | 20.36                       | 20.50                          | 20.43                        | 21                     | 1.7         |  |
| 15                             | 64QAM      | 36      | 0         | 19.93                       | 20.10                          | 19.99                        |                        |             |  |
| 15                             | 64QAM      | 36      | 20        | 19.74                       | 19.88                          | 19.73                        |                        |             |  |
| 15                             | 64QAM      | 36      | 39        | 19.76                       | 19.87                          | 19.66                        | 19                     | 3.7         |  |
| 15                             | 256QAM     | 1       | 0         | 19.81                       | 19.93                          | 19.70                        |                        |             |  |
| 15                             | 256QAM     | 1       | 0         | 17.77                       | 17.88                          | 17.86                        |                        |             |  |
| 15                             | 256QAM     | 1       | 37        | 17.66                       | 17.80                          | 17.70                        | 19                     | 3.7         |  |
| 15                             | 256QAM     | 1       | 74        | 17.79                       | 17.87                          | 17.64                        |                        |             |  |
| 15                             | 256QAM     | 36      | 0         | 18.00                       | 18.02                          | 18.08                        |                        |             |  |
| 15                             | 256QAM     | 36      | 20        | 17.90                       | 18.09                          | 17.95                        | 19                     | 3.7         |  |
| 15                             | 256QAM     | 36      | 39        | 17.76                       | 18.01                          | 17.85                        |                        |             |  |
| 15                             | 256QAM     | 75      | 0         | 17.84                       | 17.89                          | 17.85                        |                        |             |  |
| Channel                        |            |         |           | 42140                       | 42590                          | 43040                        | 22.7                   | 0           |  |
| Frequency (MHz)                |            |         |           | 3455                        | 3500                           | 3545                         |                        |             |  |
| 10                             | QPSK       | 1       | 0         | 21.60                       | 21.65                          | 21.44                        | 22.7                   | 0           |  |
| 10                             | QPSK       | 1       | 25        | 21.43                       | 21.49                          | 21.42                        |                        |             |  |
| 10                             | QPSK       | 1       | 49        | 21.45                       | 21.58                          | 21.58                        |                        |             |  |
| 10                             | QPSK       | 25      | 0         | 21.45                       | 21.53                          | 21.32                        | 22.7                   | 0           |  |
| 10                             | QPSK       | 25      | 12        | 21.37                       | 21.31                          | 21.38                        |                        |             |  |
| 10                             | QPSK       | 25      | 25        | 21.28                       | 21.36                          | 21.36                        |                        |             |  |
| 10                             | QPSK       | 50      | 0         | 21.34                       | 21.45                          | 21.29                        | 22.7                   | 0           |  |
| 10                             | 16QAM      | 1       | 0         | 21.15                       | 21.19                          | 21.23                        |                        |             |  |
| 10                             | 16QAM      | 1       | 25        | 21.14                       | 21.25                          | 21.32                        |                        |             |  |
| 10                             | 16QAM      | 1       | 49        | 21.32                       | 21.28                          | 21.26                        | 22                     | 0.7         |  |
| 10                             | 16QAM      | 25      | 0         | 20.83                       | 20.86                          | 20.68                        |                        |             |  |
| 10                             | 16QAM      | 25      | 12        | 20.64                       | 20.66                          | 20.71                        |                        |             |  |
| 10                             | 16QAM      | 25      | 25        | 20.76                       | 20.80                          | 20.66                        | 22                     | 0.7         |  |
| 10                             | 16QAM      | 50      | 0         | 20.75                       | 20.91                          | 20.83                        |                        |             |  |
| 10                             | 64QAM      | 1       | 0         | 20.50                       | 20.55                          | 20.60                        |                        |             |  |
| 10                             | 64QAM      | 1       | 25        | 20.60                       | 20.72                          | 20.55                        | 21                     | 1.7         |  |
| 10                             | 64QAM      | 1       | 49        | 20.32                       | 20.49                          | 20.35                        |                        |             |  |
| 10                             | 64QAM      | 25      | 0         | 19.91                       | 20.10                          | 20.01                        |                        |             |  |
| 10                             | 64QAM      | 25      | 12        | 19.78                       | 19.90                          | 19.76                        | 19                     | 3.7         |  |
| 10                             | 64QAM      | 25      | 25        | 19.71                       | 19.87                          | 19.63                        |                        |             |  |
| 10                             | 64QAM      | 50      | 0         | 19.76                       | 19.91                          | 19.76                        |                        |             |  |
| 10                             | 256QAM     | 1       | 0         | 17.76                       | 17.92                          | 17.91                        | 19                     | 3.7         |  |
| 10                             | 256QAM     | 1       | 25        | 17.60                       | 17.71                          | 17.71                        |                        |             |  |
| 10                             | 256QAM     | 1       | 49        | 17.75                       | 17.79                          | 17.63                        |                        |             |  |
| 10                             | 256QAM     | 25      | 0         | 17.96                       | 18.05                          | 18.02                        | 19                     | 3.7         |  |
| 10                             | 256QAM     | 25      | 12        | 17.95                       | 18.00                          | 17.98                        |                        |             |  |
| 10                             | 256QAM     | 25      | 25        | 17.77                       | 17.96                          | 17.79                        |                        |             |  |
| 10                             | 256QAM     | 50      | 0         | 17.91                       | 17.87                          | 17.86                        | 22.7                   | 0           |  |
| Channel                        |            |         |           | 42115                       | 42590                          | 43065                        |                        |             |  |
| Frequency (MHz)                |            |         |           | 3452.5                      | 3500                           | 3547.5                       | 22.7                   | 0           |  |
| 5                              | QPSK       | 1       | 0         | 21.55                       | 21.65                          | 21.47                        |                        |             |  |
| 5                              | QPSK       | 1       | 12        | 21.38                       | 21.53                          | 21.40                        | 22.7                   | 0           |  |
| 5                              | QPSK       | 1       | 24        | 21.46                       | 21.54                          | 21.51                        |                        |             |  |
| 5                              | QPSK       | 12      | 0         | 21.48                       | 21.44                          | 21.36                        |                        |             |  |
| 5                              | QPSK       | 12      | 7         | 21.34                       | 21.31                          | 21.29                        | 22.7                   | 0           |  |
| 5                              | QPSK       | 12      | 13        | 21.27                       | 21.47                          | 21.38                        |                        |             |  |
| 5                              | QPSK       | 25      | 0         | 21.38                       | 21.42                          | 21.32                        |                        |             |  |
| 5                              | 16QAM      | 1       | 0         | 21.14                       | 21.26                          | 21.24                        | 22.7                   | 0           |  |
| 5                              | 16QAM      | 1       | 12        | 21.17                       | 21.25                          | 21.29                        |                        |             |  |
| 5                              | 16QAM      | 1       | 24        | 21.32                       | 21.34                          | 21.21                        |                        |             |  |
| 5                              | 16QAM      | 12      | 0         | 20.81                       | 20.92                          | 20.67                        | 22                     | 0.7         |  |
| 5                              | 16QAM      | 12      | 7         | 20.64                       | 20.71                          | 20.71                        |                        |             |  |
| 5                              | 16QAM      | 12      | 13        | 20.77                       | 20.83                          | 20.67                        |                        |             |  |
| 5                              | 16QAM      | 25      | 0         | 20.75                       | 20.86                          | 20.84                        | 22                     | 0.7         |  |
| 5                              | 64QAM      | 1       | 0         | 20.47                       | 20.59                          | 20.64                        |                        |             |  |
| 5                              | 64QAM      | 1       | 12        | 20.57                       | 20.72                          | 20.54                        |                        |             |  |
| 5                              | 64QAM      | 1       | 24        | 20.34                       | 20.53                          | 20.43                        | 21                     | 1.7         |  |
| 5                              | 64QAM      | 12      | 0         | 19.93                       | 20.01                          | 20.04                        |                        |             |  |
| 5                              | 64QAM      | 12      | 7         | 19.82                       | 19.90                          | 19.76                        |                        |             |  |
| 5                              | 64QAM      | 12      | 13        | 19.79                       | 19.82                          | 19.64                        | 19                     | 3.7         |  |
| 5                              | 64QAM      | 25      | 0         | 19.81                       | 19.89                          | 19.76                        |                        |             |  |
| 5                              | 256QAM     | 1       | 0         | 17.79                       | 17.89                          | 17.82                        |                        |             |  |
| 5                              | 256QAM     | 1       | 12        | 17.58                       | 17.78                          | 17.73                        | 19                     | 3.7         |  |
| 5                              | 256QAM     | 1       | 24        | 17.78                       | 17.85                          | 17.64                        |                        |             |  |
| 5                              | 256QAM     | 12      | 0         | 17.94                       | 18.03                          | 17.99                        |                        |             |  |
| 5                              | 256QAM     | 12      | 7         | 17.91                       | 17.98                          | 17.92                        | 19                     | 3.7         |  |
| 5                              | 256QAM     | 12      | 13        | 17.74                       | 18.01                          | 17.86                        |                        |             |  |
| 5                              | 256QAM     | 25      | 0         | 17.88                       | 17.92                          | 17.81                        |                        |             |  |

| Band 2 Ant4 DSI 2 |            |         |           |                      |                      |                       |                   |          |  |  |
|-------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|-------------------|----------|--|--|
| BW (MHz)          | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Tune-up Init (dB) | APR (dB) |  |  |
| Channel           |            |         |           |                      |                      |                       |                   |          |  |  |
| Frequency (MHz)   |            |         |           |                      |                      |                       |                   |          |  |  |
| 20                | QPSK       | 1       | 0         | 18.77                | 18.87                | 18.74                 | 19.7              | 0        |  |  |
| 20                | QPSK       | 1       | 49        | 18.77                | 18.81                | 18.47                 |                   |          |  |  |
| 20                | QPSK       | 1       | 98        | 18.81                | 18.72                | 18.62                 |                   |          |  |  |
| 20                | QPSK       | 50      | 0         | 18.58                | 18.68                | 18.52                 | 19.7              | 0        |  |  |
| 20                | QPSK       | 50      | 24        | 18.49                | 18.58                | 18.48                 |                   |          |  |  |
| 20                | QPSK       | 50      | 50        | 18.50                | 18.66                | 18.60                 |                   |          |  |  |
| 20                | QPSK       | 100     | 0         | 18.59                | 18.66                | 18.64                 | 19.7              | 0        |  |  |
| 20                | QPSK       | 100     | 25        | 18.33                | 18.37                | 18.27                 |                   |          |  |  |
| 20                | 16QAM      | 1       | 49        | 18.36                | 18.45                | 18.47                 |                   |          |  |  |
| 20                | 16QAM      | 1       | 99        | 18.42                | 18.52                | 18.32                 | 19.7              | 0        |  |  |
| 20                | 16QAM      | 50      | 0         | 18.52                | 18.57                | 18.44                 |                   |          |  |  |
| 20                | 16QAM      | 50      | 24        | 18.52                | 18.42                | 18.36                 |                   |          |  |  |
| 20                | 16QAM      | 50      | 50        | 18.47                | 18.56                | 18.47                 | 19.7              | 0        |  |  |
| 20                | 16QAM      | 100     | 0         | 18.49                | 18.50                | 18.29                 |                   |          |  |  |
| 20                | 16QAM      | 100     | 25        | 18.51                | 18.46                | 18.37                 |                   |          |  |  |
| 20                | 16QAM      | 1       | 49        | 18.47                | 18.46                | 18.42                 | 19.7              | 0        |  |  |
| 20                | 16QAM      | 1       | 99        | 18.48                | 18.50                | 18.36                 |                   |          |  |  |
| 20                | 16QAM      | 50      | 0         | 18.40                | 18.50                | 18.38                 |                   |          |  |  |
| 20                | 16QAM      | 50      | 24        | 18.48                | 18.50                | 18.42                 | 19.5              | 0.2      |  |  |
| 20                | 16QAM      | 50      | 50        | 18.50                | 18.47                | 18.30                 |                   |          |  |  |
| 20                | 16QAM      | 100     | 0         | 18.50                | 18.50                | 18.35                 |                   |          |  |  |
| 20                | 256QAM     | 1       | 49        | 18.54                | 18.74                | 18.54                 | 17.5              | 2.2      |  |  |
| 20                | 256QAM     | 1       | 99        | 18.54                | 18.52                | 18.32                 |                   |          |  |  |
| 20                | 256QAM     | 1       | 99        | 16.60                | 16.73                | 16.67                 |                   |          |  |  |
| 20                | 256QAM     | 50      | 0         | 18.77                | 18.59                | 18.33                 | 17.5              | 2.2      |  |  |
| 20                | 256QAM     | 50      | 24        | 18.67                | 18.74                | 18.69                 |                   |          |  |  |
| 20                | 256QAM     | 50      | 50        | 18.67                | 16.72                | 16.69                 |                   |          |  |  |
| 20                | 256QAM     | 100     | 0         | 18.65                | 16.70                | 16.64                 | 17.5              | 2.2      |  |  |
| Channel           |            |         |           |                      |                      |                       |                   |          |  |  |
| Frequency (MHz)   |            |         |           |                      |                      |                       |                   |          |  |  |
| 15                | QPSK       | 1       | 0         | 18.63                | 18.73                | 18.64                 | 19.7              | 0        |  |  |
| 15                | QPSK       | 1       | 37        | 18.65                | 18.47                | 18.26                 |                   |          |  |  |
| 15                | QPSK       | 1       | 74        | 18.55                | 18.66                | 18.63                 |                   |          |  |  |
| 15                | QPSK       | 36      | 0         | 18.49                | 18.52                | 18.43                 | 19.7              | 0        |  |  |
| 15                | QPSK       | 36      | 18        | 18.39                | 18.46                | 18.38                 |                   |          |  |  |
| 15                | QPSK       | 36      | 36        | 18.39                | 18.50                | 18.42                 |                   |          |  |  |
| 15                | QPSK       | 75      | 0         | 18.39                | 18.39                | 18.36                 | 19.7              | 0        |  |  |
| 15                | 16QAM      | 1       | 1         | 18.30                | 18.29                | 18.23                 |                   |          |  |  |
| 15                | 16QAM      | 1       | 37        | 18.29                | 18.39                | 18.32                 |                   |          |  |  |
| 15                | 16QAM      | 36      | 0         | 18.33                | 18.38                | 18.29                 | 19.7              | 0        |  |  |
| 15                | 16QAM      | 36      | 20        | 18.33                | 18.37                | 18.31                 |                   |          |  |  |
| 15                | 16QAM      | 36      | 40        | 18.40                | 18.46                | 18.33                 |                   |          |  |  |
| 15                | 16QAM      | 75      | 0         | 18.43                | 18.30                | 18.20                 | 19.7              | 0        |  |  |
| 15                | 16QAM      | 1       | 0         | 18.40                | 18.44                | 18.31                 |                   |          |  |  |
| 15                | 16QAM      | 1       | 74        | 18.40                | 18.34                | 18.26                 |                   |          |  |  |
| 15                | 16QAM      | 36      | 0         | 18.44                | 18.36                | 18.25                 | 19.5              | 0.2      |  |  |
| 15                | 16QAM      | 36      | 0         | 18.44                | 18.34                | 18.25                 |                   |          |  |  |
| 15                | 16QAM      | 36      | 36        | 18.35                | 18.34                | 18.15                 |                   |          |  |  |
| 15                | 16QAM      | 75      | 0         | 18.43                | 18.40                | 18.28                 | 17.5              | 2.2      |  |  |
| 15                | 256QAM     | 1       | 37        | 18.46                | 18.57                | 18.43                 |                   |          |  |  |
| 15                | 256QAM     | 1       | 74        | 18.54                | 18.59                | 18.62                 |                   |          |  |  |
| 15                | 256QAM     | 36      | 0         | 18.67                | 18.56                | 18.46                 | 17.5              | 2.2      |  |  |
| 15                | 256QAM     | 36      | 20        | 18.51                | 18.55                | 18.53                 |                   |          |  |  |
| 15                | 256QAM     | 36      | 39        | 18.54                | 18.66                | 18.59                 |                   |          |  |  |
| 15                | 256QAM     | 75      | 0         | 18.54                | 18.54                | 18.53                 | 17.5              | 2.2      |  |  |
| Channel           |            |         |           |                      |                      |                       |                   |          |  |  |
| Frequency (MHz)   |            |         |           |                      |                      |                       |                   |          |  |  |
| 10                | QPSK       | 1       | 0         | 18.65                | 18.69                | 18.65                 | 19.7              | 0        |  |  |
| 10                | QPSK       | 1       | 25        | 18.55                | 18.56                | 18.39                 |                   |          |  |  |
| 10                | QPSK       | 1       | 49        | 18.50                | 18.61                | 18.58                 |                   |          |  |  |
| 10                | QPSK       | 12      | 0         | 18.52                | 18.49                | 18.34                 | 19.7              | 0        |  |  |
| 10                | QPSK       | 25      | 12        | 18.38                | 18.41                | 18.34                 |                   |          |  |  |
| 10                | QPSK       | 25      | 25        | 18.38                | 18.45                | 18.46                 |                   |          |  |  |
| 10                | QPSK       | 50      | 0         | 18.46                | 18.53                | 18.34                 | 19.7              | 0        |  |  |
| 10                | 16QAM      | 1       | 0         | 18.33                | 18.21                | 18.24                 |                   |          |  |  |
| 10                | 16QAM      | 1       | 25        | 18.32                | 18.38                | 18.40                 |                   |          |  |  |
| 10                | 16QAM      | 1       | 50        | 18.30                | 18.46                | 18.33                 | 19.7              | 0        |  |  |
| 10                | 16QAM      | 25      | 0         | 18.38                | 18.48                | 18.29                 |                   |          |  |  |
| 10                | 16QAM      | 25      | 12        | 18.32                | 18.34                | 18.31                 |                   |          |  |  |
| 10                | 16QAM      | 36      | 0         | 18.31                | 18.42                | 18.34                 | 19.7              | 0        |  |  |
| 10                | 16QAM      | 50      | 0         | 18.38                | 18.29                | 18.29                 |                   |          |  |  |
| 10                | 16QAM      | 1       | 0         | 18.42                | 18.43                | 18.27                 |                   |          |  |  |
| 10                | 16QAM      | 1       | 24        | 18.44                | 18.46                | 18.28                 | 19.5              | 0.2      |  |  |
| 10                | 16QAM      | 1       | 49        | 18.45                | 18.33                | 18.29                 |                   |          |  |  |
| 10                | 16QAM      | 25      | 0         | 18.32                | 18.43                | 18.27                 |                   |          |  |  |
| 10                | 16QAM      | 25      | 12        | 18.35                | 18.36                | 18.26                 | 17.5              | 2.2      |  |  |
| 10                | 16QAM      | 50      | 0         | 18.37                | 18.45                | 18.26                 |                   |          |  |  |
| 10                | 256QAM     | 1       | 49        | 18.54                | 18.61                | 18.58                 |                   |          |  |  |
| 10                | 256QAM     | 1       | 25        | 18.53                | 18.52                | 18.32                 | 17.5              | 2.2      |  |  |
| 10                | 256QAM     | 1       | 49        | 16.47                | 16.70                | 16.57                 |                   |          |  |  |
| 10                | 256QAM     | 25      | 0         | 18.75                | 18.62                | 18.56                 |                   |          |  |  |
| 10                | 256QAM     | 25      | 12        | 18.63                | 18.57                | 18.51                 | 17.5              | 2.2      |  |  |
| 10                | 256QAM     | 25      | 25        | 18.52                | 18.65                | 18.59                 |                   |          |  |  |
| 10                | 256QAM     | 50      | 0         | 18.49                | 18.68                | 18.50                 |                   |          |  |  |
| Channel           |            |         |           |                      |                      |                       |                   |          |  |  |
| Frequency (MHz)   |            |         |           |                      |                      |                       |                   |          |  |  |
| 5                 | QPSK       | 1       | 0         | 18.63                | 18.69                | 18.65                 | 19.7              | 0        |  |  |
| 5                 | QPSK       | 1       | 12        | 18.55                | 18.51                | 18.42                 |                   |          |  |  |
| 5                 | QPSK       | 1       | 24        | 18.55                | 18.57                | 18.62                 |                   |          |  |  |
| 5                 | QPSK       | 12      | 0         | 18.42                | 18.58                | 18.48                 | 19.7              | 0        |  |  |
| 5                 | QPSK       | 12      | 7         | 18.43                | 18.51                | 18.30                 |                   |          |  |  |
| 5                 | QPSK       | 12      | 13        | 18.30                | 18.51                | 18.48                 |                   |          |  |  |
| 5                 | QPSK       | 25      | 0         | 18.45                | 18.48                | 18.37                 | 19.7              | 0        |  |  |
| 5                 | 16QAM      | 1       | 0         | 18.32                | 18.20                | 18.20                 |                   |          |  |  |
| 5                 | 16QAM      | 1       | 12        | 18.30                | 18.42                | 18.43                 |                   |          |  |  |
| 5                 | 16QAM      | 1       | 24        | 18.44                | 18.46                | 18.28                 | 19.7              | 0        |  |  |
| 5                 | 16QAM      | 12      | 0         | 18.37                | 18.46                | 18.33                 |                   |          |  |  |
| 5                 | 16QAM      | 12      | 7         | 18.41                | 18.30                | 18.25                 |                   |          |  |  |
| 5                 | 16QAM      | 12      | 13        | 18.32                | 18.44                | 18.38                 | 19.7              | 0        |  |  |
| 5                 | 16QAM      | 25      | 0         | 18.44                | 18.37                | 18.18                 |                   |          |  |  |
| 5                 | 16QAM      | 1       | 0         | 18.41                | 18.36                | 18.31                 |                   |          |  |  |
| 5                 | 16QAM      | 1       | 12        | 18.47                | 18.44                | 18.30                 | 19.7              | 0        |  |  |
| 5                 | 16QAM      | 1       | 24        | 18.39                | 18.30                | 18.27                 |                   |          |  |  |
| 5                 | 16QAM      | 12      | 0         | 18.36                | 18.45                | 18.25                 |                   |          |  |  |
| 5                 | 16QAM      | 12      | 7         | 18.39                | 18.35                | 18.27                 | 19.5              | 0.2      |  |  |
| 5                 | 16QAM      | 25      | 0         | 18.42                | 18.39                | 18.25                 |                   |          |  |  |
| 5                 | 16QAM      | 25      | 13        | 18.44                | 18.34                | 18.33                 |                   |          |  |  |
| 5                 | 16QAM      | 50      | 0         | 18.54                | 18.54                | 18.50                 | 17.5              | 2.2      |  |  |
| 5                 | 256QAM     | 1       | 12        | 18.50                | 18.54                | 18.46                 |                   |          |  |  |
| 5                 | 256QAM     | 1       | 24        | 18.48                | 18.64                | 18.56                 |                   |          |  |  |
| 5                 | 256QAM     | 12      | 0         | 18.67                | 18.77                | 18.65                 | 17.5              | 2.2      |  |  |
| 5                 | 256QAM     | 12      | 7         | 18.47                | 18.59                | 18.54                 |                   |          |  |  |
| 5                 | 256QAM     | 12      | 13        | 18.48                | 18.59                | 18.54                 | 17.5              | 2.2      |  |  |
| 5                 | 256QAM     | 25      | 0         | 18.60                | 18.66                | 18.62                 |                   |          |  |  |
| 5                 | 256QAM     | 25      | 0         | 18.60                | 16.66                | 16.62                 |                   |          |  |  |
| Channel           |            |         |           |                      |                      |                       |                   |          |  |  |
| Frequency (MHz)   |            |         |           |                      |                      |                       |                   |          |  |  |
| 1.4               | QPSK       | 1       | 0         | 18.65                | 18.69                | 18.66                 | 19.7              | 0        |  |  |
| 1.4               | QPSK       | 1       | 14        | 18.46                | 18.46                | 18.46                 |                   |          |  |  |
| 1.4               | QPSK       | 1       | 14        | 18.57                | 18.57                | 18.54                 |                   |          |  |  |
| 1.4               | QPSK       | 3       | 0         | 18.52                | 18.52                | 18.43                 | 19.7              | 0        |  |  |
| 1.4               | QPSK       | 3       | 43        | 18.42                | 18.42                | 18.42                 |                   |          |  |  |
| 1.4               | QPSK       | 3       | 7         | 18.37                | 18.35                | 18.29                 |                   |          |  |  |
| 1.4               | QPSK       | 15      | 0         | 18.38                | 18.47                | 18.34                 | 19.7              | 0        |  |  |
| 1.4               | QPSK       | 15      | 1         | 18.27                | 18.30                | 18.25                 |                   |          |  |  |
| 1.4               | QPSK       | 15      | 8         | 18.25                | 18.38                | 18.33                 |                   |          |  |  |
| 1.4               | QPSK       | 1       | 14        | 18.37                | 18.37                | 18.29                 | 19.7              | 0        |  |  |
| 1.4               | QPSK       | 8       | 0         | 18.36                | 18.47                | 18.25                 |                   |          |  |  |
| 1.4               | QPSK       | 4       | 0         | 18.38                | 18.38                | 18.28                 |                   |          |  |  |
| 1.4               | QPSK       | 8       | 7         | 18.29                | 18.48                | 18.45                 | 19.7              | 0        |  |  |
| 1.4               | QPSK       | 15      | 0         | 18.43                | 18.39                | 18.25                 |                   |          |  |  |
| 1.4               | QPSK       | 1       | 0         | 18.45                | 18.48                | 18.31                 |                   |          |  |  |
| 1.4               | QPSK       | 1       | 8         | 18.37                | 18.39                | 18.25                 | 19.7              | 0        |  |  |
| 1.4               | QPSK       | 1       | 38        | 18.38                | 18.32                | 18.28                 |                   |          |  |  |
| 1.4               | QPSK       | 8       | 4         | 18.42                | 18.34                | 18.26                 |                   |          |  |  |
| 1.4               | QPSK       | 1       | 14        | 18.41                | 18.41                | 18.28                 | 19.5              | 0.2      |  |  |
| 1.4               | QPSK       | 3       | 0         | 18.42                | 18.38                | 18.29                 |                   |          |  |  |
| 1.4               | QPSK       | 15      | 0         | 18.46                | 18.40                | 18.41                 |                   |          |  |  |
| 1.4               | QPSK       | 1       | 14        | 18.52                | 18.43                | 18.28                 | 17.5              | 2.2      |  |  |
| 1.4               | QPSK       | 1       | 14        | 18.53                | 18.50                | 18.62                 |                   |          |  |  |
| 1.4               | QPSK       | 3       | 0         | 18.67                | 18.70                | 18.69                 |                   |          |  |  |
| 1.4               | QPSK       | 8       | 4         | 18.47                | 18.63                | 18.56                 | 17.5              | 2.2      |  |  |
| 1.4               | QPSK       | 8       | 7         | 16.50                | 16.54                | 16.56                 |                   |          |  |  |
| 1.4               | QPSK       | 15      | 0         | 16.45                | 16.58                | 16.59                 |                   |          |  |  |
| Channel           |            |         |           |                      |                      |                       |                   |          |  |  |
| Frequency (MHz)   |            |         |           |                      |                      |                       |                   |          |  |  |
| 1.4               | QPSK       | 1       | 0         | 18.65                | 18.69                | 18.66                 | 19.7              | 0        |  |  |
| 1.4               | QPSK       | 1       | 3         | 18.55                | 18.67                | 18.64                 |                   |          |  |  |
| 1.4               | QPSK       | 1       | 14        | 18.46                | 18.46                | 18.44                 |                   |          |  |  |
| 1.4               | QPSK       | 3       | 0         | 18.50                | 18.50                | 18.41                 | 19.7              | 0        |  |  |
| 1.4               | QPSK       | 3       | 3         | 18.31                | 18.45                | 18.50                 |                   |          |  |  |
| 1.4               | QPSK       | 3       | 15        | 18.46                | 18.59                | 18.57                 |                   |          |  |  |
| 1.4               | QPSK       | 1       | 0         | 18.25                | 18.25                | 18.27                 | 19.7              | 0        |  |  |
| 1.4               | 16QAM      | 1       | 3         | 18.35                | 18.37                | 18.30                 |                   |          |  |  |
| 1.4               | 16QAM      | 1       | 33        | 18.40                | 18.40                | 18.32                 |                   |          |  |  |
| 1.4               | 16QAM      | 3       | 0         | 18.29                | 18.43                | 18.28                 | 19.7              | 0        |  |  |
| 1.4               | 16QAM      | 3       | 1         | 18.37                | 18.33                | 18.27                 |                   |          |  |  |
| 1.4               | 16QAM      | 3       | 38        | 18.38                | 18.38                | 18.27                 |                   |          |  |  |
| 1.4               | 16QAM      | 8       | 0         | 18.42                | 18.34                | 18.19                 | 19.7              | 0        |  |  |
| 1.4               | 16QAM      | 8       | 0         | 18.43                | 18.43                | 18.30                 |                   |          |  |  |
| 1.4               | 16QAM      | 8       | 4         | 18.48                | 18.42                | 18.23                 |                   |          |  |  |
| 1.4               | 16QAM      | 1       | 5         | 18.43                | 18.34                | 18.23                 | 19.7              | 0        |  |  |
| 1.4               | 16QAM      | 3       | 0         | 18.38                | 18.44                | 18.30                 |                   |          |  |  |
| 1.4               | 16QAM      | 3       | 17        | 18.41                | 18.41                | 18.25                 |                   |          |  |  |
| 1.4               | 16QAM      | 3       | 3         | 18.38                | 18.37                | 18.25                 | 19.5              | 0.2      |  |  |
| 1.4               | 16QAM      | 8       | 0         | 18.43                | 18.40                | 18.25                 |                   |          |  |  |
| 1.4               | 16QAM      | 8       | 0         | 18.42                | 18.42                | 18.30                 |                   |          |  |  |
| 1.4               | 256QAM     | 1       | 3         | 18.52                | 18.62                | 18.64                 | 17.5              | 2.2      |  |  |
| 1.4               | 256QAM     | 1       | 3         | 16.53                | 16.60                | 16.55                 |                   |          |  |  |
| 1.4               | 256QAM     | 1       | 3         | 16.60                | 16.78                | 16.74                 |                   |          |  |  |
| 1.4               | 256QAM     | 3       | 1         | 18.50                | 18.55                | 18.55                 | 17.5              | 2.2      |  |  |



## Reduced Power Mode for DSI3

| GSM850 AnnD DSI 3 |  |                           |       |       |                     |                           |       |       |
|-------------------|--|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|
| GSM850            |  | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame Average Power (dBm) |       |       |
| TX Channel        |  | 128                       | 198   | 291   |                     | 128                       | 189   | 291   |
| Frequency (MHz)   |  | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |
| GSM 1 Tx slot     |  | 31.76                     | 31.89 | 31.93 | 33.50               | 22.76                     | 22.89 | 22.93 |
| GPRS 1 Tx slot    |  | 31.74                     | 31.86 | 31.81 | 33.50               | 22.74                     | 22.86 | 22.81 |
| GPRS 2 Tx slots   |  | 29.87                     | 29.83 | 29.78 | 31.00               | 23.87                     | 23.83 | 23.78 |
| GPRS 3 Tx slots   |  | 27.83                     | 27.89 | 27.82 | 29.00               | 23.57                     | 23.63 | 23.56 |
| GPRS 4 Tx slots   |  | 26.69                     | 26.73 | 26.74 | 27.50               | 23.69                     | 23.73 | 23.74 |
| EDGE 1 Tx slot    |  | 26.20                     | 26.17 | 26.15 | 27.50               | 17.20                     | 17.17 | 17.15 |
| EDGE 2 Tx slots   |  | 25.43                     | 25.47 | 25.45 | 26.50               | 19.43                     | 19.47 | 19.45 |
| EDGE 3 Tx slots   |  | 22.73                     | 22.76 | 22.74 | 24.00               | 18.47                     | 18.50 | 18.48 |
| EDGE 4 Tx slots   |  | 20.07                     | 20.18 | 20.09 | 21.00               | 17.07                     | 17.18 | 17.09 |

| WCDMA V AnnD DSI 3 |                    |         |       |       |                     |
|--------------------|--------------------|---------|-------|-------|---------------------|
| Band               |                    | WCDMA V |       |       | Tune-up Limit (dBm) |
| TX Channel         |                    | 4132    | 4182  | 4233  |                     |
| Rx Channel         |                    | 4357    | 4407  | 4458  |                     |
| Frequency (MHz)    |                    | 826.4   | 838.4 | 848.6 |                     |
| 3GPP Rel 99        | AMR 12.2Kbps       | 22.58   | 22.61 | 22.55 | 24.00               |
| 3GPP Rel 99        | RMC 12.2Kbps       | 22.62   | 22.65 | 22.57 | 24.00               |
| 3GPP Rel 6         | HSDPA Subtest-1    | 21.62   | 21.64 | 21.58 | 23.00               |
| 3GPP Rel 6         | HSDPA Subtest-2    | 21.57   | 21.59 | 21.57 | 23.00               |
| 3GPP Rel 6         | HSDPA Subtest-3    | 21.18   | 21.18 | 21.01 | 22.50               |
| 3GPP Rel 6         | HSDPA Subtest-4    | 21.00   | 21.12 | 21.08 | 22.50               |
| 3GPP Rel 6         | DCHSDPA Subtest-1  | 21.63   | 21.71 | 21.51 | 23.00               |
| 3GPP Rel 6         | DCHSDPA Subtest-2  | 21.59   | 21.63 | 21.54 | 23.00               |
| 3GPP Rel 8         | DC-HSDPA Subtest-3 | 21.13   | 21.27 | 20.97 | 22.50               |
| 3GPP Rel 8         | DC-HSDPA Subtest-4 | 21.11   | 21.19 | 20.98 | 22.50               |
| 3GPP Rel 6         | HSUPA Subtest-1    | 21.58   | 21.67 | 21.58 | 23.00               |
| 3GPP Rel 6         | HSUPA Subtest-2    | 19.59   | 19.70 | 19.63 | 21.00               |
| 3GPP Rel 6         | HSUPA Subtest-3    | 20.53   | 20.60 | 20.54 | 22.00               |
| 3GPP Rel 6         | HSUPA Subtest-4    | 19.65   | 19.73 | 19.46 | 21.00               |
| 3GPP Rel 6         | HSUPA Subtest-5    | 21.59   | 21.59 | 21.62 | 23.00               |

| Band 5 Ant0 DSI 3 |            |         |           |                     |                        |                      |                     |          |  |  |
|-------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|--|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dbm) | MPR (db) |  |  |
| Channel           |            |         |           | 20450               | 20525                  | 20600                |                     |          |  |  |
| Frequency (MHz)   |            |         |           | 829                 | 836.5                  | 844                  |                     |          |  |  |
| 10                | QPSK       | 1       | 0         | 22.36               | 22.47                  | 22.41                | 24                  | 0        |  |  |
| 10                | QPSK       | 1       | 25        | 22.22               | 22.35                  | 22.32                |                     |          |  |  |
| 10                | QPSK       | 1       | 49        | 22.28               | 22.37                  | 22.34                |                     |          |  |  |
| 10                | QPSK       | 25      | 0         | 21.44               | 21.51                  | 21.48                |                     |          |  |  |
| 10                | QPSK       | 25      | 12        | 21.36               | 21.44                  | 21.38                |                     |          |  |  |
| 10                | QPSK       | 25      | 25        | 21.26               | 21.38                  | 21.33                | 23                  | 1        |  |  |
| 10                | QPSK       | 50      | 0         | 21.43               | 21.49                  | 21.41                |                     |          |  |  |
| 10                | 16QAM      | 1       | 0         | 21.70               | 21.85                  | 21.81                |                     |          |  |  |
| 10                | 16QAM      | 1       | 25        | 21.61               | 21.75                  | 21.74                |                     |          |  |  |
| 10                | 16QAM      | 1       | 49        | 21.62               | 21.76                  | 21.65                |                     |          |  |  |
| 10                | 16QAM      | 25      | 0         | 20.53               | 20.58                  | 20.51                | 22                  | 2        |  |  |
| 10                | 16QAM      | 25      | 12        | 20.37               | 20.46                  | 20.44                |                     |          |  |  |
| 10                | 16QAM      | 25      | 25        | 20.22               | 20.37                  | 20.37                |                     |          |  |  |
| 10                | 16QAM      | 50      | 0         | 20.47               | 20.52                  | 20.51                |                     |          |  |  |
| 10                | 64QAM      | 1       | 0         | 20.58               | 20.67                  | 20.67                |                     |          |  |  |
| 10                | 64QAM      | 1       | 25        | 20.34               | 20.51                  | 20.52                | 22                  | 2        |  |  |
| 10                | 64QAM      | 1       | 49        | 20.65               | 20.75                  | 20.74                |                     |          |  |  |
| 10                | 64QAM      | 25      | 0         | 19.41               | 19.57                  | 19.55                |                     |          |  |  |
| 10                | 64QAM      | 25      | 12        | 19.39               | 19.46                  | 19.39                |                     |          |  |  |
| 10                | 64QAM      | 25      | 25        | 19.37               | 19.52                  | 19.52                |                     |          |  |  |
| 10                | 256QAM     | 1       | 0         | 17.40               | 17.53                  | 17.43                | 19                  | 5        |  |  |
| 10                | 256QAM     | 1       | 25        | 17.26               | 17.43                  | 17.39                |                     |          |  |  |
| 10                | 256QAM     | 1       | 49        | 17.39               | 17.54                  | 17.48                |                     |          |  |  |
| 10                | 256QAM     | 25      | 0         | 17.51               | 17.59                  | 17.52                |                     |          |  |  |
| 10                | 256QAM     | 25      | 12        | 17.28               | 17.38                  | 17.29                |                     |          |  |  |
| 10                | 256QAM     | 25      | 25        | 17.30               | 17.41                  | 17.39                | 19                  | 5        |  |  |
| 10                | 256QAM     | 50      | 0         | 17.48               | 17.54                  | 17.46                |                     |          |  |  |
| Channel           |            |         |           | 829.5               | 836.5                  | 844.5                | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)   |            |         |           | 829.5               | 836.5                  | 844.5                |                     |          |  |  |
| 5                 | QPSK       | 1       | 0         | 22.27               | 22.31                  | 22.34                | 24                  | 0        |  |  |
| 5                 | QPSK       | 1       | 12        | 22.11               | 22.24                  | 22.21                |                     |          |  |  |
| 5                 | QPSK       | 1       | 24        | 22.23               | 22.21                  | 22.26                |                     |          |  |  |
| 5                 | QPSK       | 12      | 0         | 21.33               | 21.38                  | 21.38                |                     |          |  |  |
| 5                 | QPSK       | 12      | 7         | 21.32               | 21.38                  | 21.31                |                     |          |  |  |
| 5                 | QPSK       | 12      | 13        | 21.14               | 21.25                  | 21.23                | 23                  | 1        |  |  |
| 5                 | QPSK       | 25      | 0         | 21.22               | 21.44                  | 21.53                |                     |          |  |  |
| 5                 | 16QAM      | 1       | 0         | 21.64               | 21.81                  | 21.69                |                     |          |  |  |
| 5                 | 16QAM      | 1       | 12        | 21.49               | 21.62                  | 21.68                |                     |          |  |  |
| 5                 | 16QAM      | 1       | 24        | 21.49               | 21.71                  | 21.58                |                     |          |  |  |
| 5                 | 16QAM      | 12      | 0         | 20.43               | 20.43                  | 20.37                | 22                  | 2        |  |  |
| 5                 | 16QAM      | 12      | 7         | 20.30               | 20.36                  | 20.38                |                     |          |  |  |
| 5                 | 16QAM      | 12      | 13        | 20.26               | 20.35                  | 20.35                |                     |          |  |  |
| 5                 | 16QAM      | 25      | 0         | 20.38               | 20.40                  | 20.35                |                     |          |  |  |
| 5                 | 64QAM      | 1       | 0         | 20.53               | 20.56                  | 20.56                |                     |          |  |  |
| 5                 | 64QAM      | 1       | 12        | 20.26               | 20.40                  | 20.41                | 22                  | 2        |  |  |
| 5                 | 64QAM      | 1       | 24        | 20.52               | 20.64                  | 20.61                |                     |          |  |  |
| 5                 | 64QAM      | 12      | 0         | 19.27               | 19.48                  | 19.44                |                     |          |  |  |
| 5                 | 64QAM      | 12      | 7         | 19.25               | 19.39                  | 19.32                |                     |          |  |  |
| 5                 | 64QAM      | 12      | 13        | 19.30               | 19.48                  | 19.39                |                     |          |  |  |
| 5                 | 64QAM      | 25      | 0         | 19.30               | 19.38                  | 19.37                | 19                  | 5        |  |  |
| 5                 | 256QAM     | 1       | 0         | 17.31               | 17.43                  | 17.34                |                     |          |  |  |
| 5                 | 256QAM     | 1       | 12        | 17.21               | 17.32                  | 17.28                |                     |          |  |  |
| 5                 | 256QAM     | 1       | 24        | 17.23               | 17.43                  | 17.42                |                     |          |  |  |
| 5                 | 256QAM     | 12      | 0         | 17.37               | 17.48                  | 17.40                |                     |          |  |  |
| 5                 | 256QAM     | 12      | 7         | 17.22               | 17.23                  | 17.14                | 19                  | 5        |  |  |
| 5                 | 256QAM     | 12      | 13        | 17.18               | 17.34                  | 17.33                |                     |          |  |  |
| 5                 | 256QAM     | 25      | 0         | 17.37               | 17.46                  | 17.40                |                     |          |  |  |
| Channel           |            |         |           | 20515               | 20595                  | 20635                | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)   |            |         |           | 825.5               | 836.5                  | 847.5                |                     |          |  |  |
| 3                 | QPSK       | 1       | 0         | 22.21               | 22.30                  | 22.28                | 24                  | 0        |  |  |
| 3                 | QPSK       | 1       | 8         | 22.17               | 22.30                  | 22.17                |                     |          |  |  |
| 3                 | QPSK       | 1       | 14        | 22.21               | 22.24                  | 22.20                |                     |          |  |  |
| 3                 | QPSK       | 8       | 0         | 21.40               | 21.44                  | 21.42                |                     |          |  |  |
| 3                 | QPSK       | 8       | 4         | 21.51               | 21.29                  | 21.23                |                     |          |  |  |
| 3                 | QPSK       | 8       | 7         | 21.20               | 21.28                  | 21.24                | 23                  | 1        |  |  |
| 3                 | QPSK       | 15      | 0         | 21.33               | 21.37                  | 21.29                |                     |          |  |  |
| 3                 | 16QAM      | 1       | 0         | 21.58               | 21.71                  | 21.76                |                     |          |  |  |
| 3                 | 16QAM      | 1       | 8         | 21.47               | 21.65                  | 21.68                |                     |          |  |  |
| 3                 | 16QAM      | 1       | 14        | 21.49               | 21.71                  | 21.56                |                     |          |  |  |
| 3                 | 16QAM      | 8       | 0         | 20.45               | 20.47                  | 20.41                | 22                  | 2        |  |  |
| 3                 | 16QAM      | 8       | 4         | 20.30               | 20.34                  | 20.32                |                     |          |  |  |
| 3                 | 16QAM      | 8       | 7         | 20.17               | 20.22                  | 20.32                |                     |          |  |  |
| 3                 | 16QAM      | 15      | 0         | 20.34               | 20.44                  | 20.47                |                     |          |  |  |
| 3                 | 64QAM      | 1       | 0         | 20.51               | 20.54                  | 20.60                |                     |          |  |  |
| 3                 | 64QAM      | 1       | 8         | 20.29               | 20.39                  | 20.38                | 22                  | 2        |  |  |
| 3                 | 64QAM      | 1       | 14        | 20.58               | 20.62                  | 20.66                |                     |          |  |  |
| 3                 | 64QAM      | 8       | 0         | 19.35               | 19.50                  | 19.39                |                     |          |  |  |
| 3                 | 64QAM      | 8       | 4         | 19.34               | 19.42                  | 19.27                |                     |          |  |  |
| 3                 | 64QAM      | 8       | 7         | 19.27               | 19.43                  | 19.40                |                     |          |  |  |
| 3                 | 64QAM      | 15      | 0         | 19.26               | 19.40                  | 19.41                | 19                  | 5        |  |  |
| 3                 | 256QAM     | 1       | 0         | 17.29               | 17.40                  | 17.39                |                     |          |  |  |
| 3                 | 256QAM     | 1       | 8         | 17.13               | 17.31                  | 17.27                |                     |          |  |  |
| 3                 | 256QAM     | 1       | 14        | 17.24               | 17.42                  | 17.33                |                     |          |  |  |
| 3                 | 256QAM     | 8       | 0         | 17.39               | 17.47                  | 17.47                |                     |          |  |  |
| 3                 | 256QAM     | 8       | 4         | 17.21               | 17.30                  | 17.16                | 19                  | 5        |  |  |
| 3                 | 256QAM     | 8       | 7         | 17.16               | 17.32                  | 17.32                |                     |          |  |  |
| 3                 | 256QAM     | 15      | 0         | 17.30               | 17.40                  | 17.36                |                     |          |  |  |
| Channel           |            |         |           | 20407               | 20525                  | 20643                | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)   |            |         |           | 824.7               | 836.5                  | 848.3                |                     |          |  |  |
| 1.4               | QPSK       | 1       | 0         | 22.25               | 22.35                  | 22.33                | 24                  | 0        |  |  |
| 1.4               | QPSK       | 1       | 3         | 22.13               | 22.29                  | 22.26                |                     |          |  |  |
| 1.4               | QPSK       | 1       | 5         | 22.23               | 22.26                  | 22.22                |                     |          |  |  |
| 1.4               | QPSK       | 3       | 0         | 22.20               | 22.30                  | 22.23                |                     |          |  |  |
| 1.4               | QPSK       | 3       | 1         | 22.16               | 22.31                  | 22.21                |                     |          |  |  |
| 1.4               | QPSK       | 3       | 3         | 22.20               | 22.30                  | 22.23                | 23                  | 1        |  |  |
| 1.4               | QPSK       | 6       | 0         | 21.33               | 21.35                  | 21.25                |                     |          |  |  |
| 1.4               | 16QAM      | 1       | 0         | 21.62               | 21.73                  | 21.70                |                     |          |  |  |
| 1.4               | 16QAM      | 1       | 3         | 21.50               | 21.64                  | 21.62                |                     |          |  |  |
| 1.4               | 16QAM      | 1       | 5         | 21.50               | 21.68                  | 21.54                |                     |          |  |  |
| 1.4               | 16QAM      | 3       | 0         | 21.30               | 21.32                  | 21.26                | 23                  | 1        |  |  |
| 1.4               | 16QAM      | 3       | 1         | 21.57               | 21.72                  | 21.65                |                     |          |  |  |
| 1.4               | 16QAM      | 3       | 3         | 21.55               | 21.66                  | 21.65                |                     |          |  |  |
| 1.4               | 16QAM      | 6       | 0         | 21.56               | 21.72                  | 21.57                |                     |          |  |  |
| 1.4               | 64QAM      | 1       | 0         | 20.54               | 20.56                  | 20.62                |                     |          |  |  |
| 1.4               | 64QAM      | 1       | 3         | 20.22               | 20.42                  | 20.41                | 22                  | 2        |  |  |
| 1.4               | 64QAM      | 1       | 5         | 20.53               | 20.68                  | 20.62                |                     |          |  |  |
| 1.4               | 64QAM      | 3       | 0         | 20.58               | 20.51                  | 20.65                |                     |          |  |  |
| 1.4               | 64QAM      | 3       | 1         | 20.28               | 20.47                  | 20.40                |                     |          |  |  |
| 1.4               | 64QAM      | 3       | 3         | 20.57               | 20.72                  | 20.62                |                     |          |  |  |
| 1.4               | 256QAM     | 1       | 0         | 19.30               | 19.40                  | 19.40                | 21                  | 3        |  |  |
| 1.4               | 256QAM     | 1       | 3         | 17.32               | 17.41                  | 17.34                |                     |          |  |  |
| 1.4               | 256QAM     | 1       | 5         | 17.30               | 17.50                  | 17.33                |                     |          |  |  |
| 1.4               | 256QAM     | 3       | 0         | 17.47               | 17.47                  | 17.47                |                     |          |  |  |
| 1.4               | 256QAM     | 3       | 1         | 17.21               | 17.52                  | 17.34                | 19                  | 5        |  |  |
| 1.4               | 256QAM     | 3       | 3         | 17.24               | 17.33                  | 17.34                |                     |          |  |  |
| 1.4               | 256QAM     | 6       | 0         | 17.34               | 17.44                  | 17.31                |                     |          |  |  |



| Band 17 Ant0 DSI 3 |            |                 |           |                         |                            |                          |                           |             |  |
|--------------------|------------|-----------------|-----------|-------------------------|----------------------------|--------------------------|---------------------------|-------------|--|
| BW (MHz)           | Modulation | RB Size         | RB Offset | Power Low<br>Ch./ Freq. | Power Middle<br>Ch./ Freq. | Power High<br>Ch./ Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Channel            |            |                 |           |                         |                            |                          |                           |             |  |
|                    |            | Frequency (MHz) |           | 709                     | 710                        | 711                      |                           |             |  |
| 10                 | QPSK       | 1               | 0         | 22.39                   | 22.42                      | 22.40                    | 24                        | 0           |  |
| 10                 | QPSK       | 1               | 25        | 22.20                   | 22.26                      | 22.18                    |                           |             |  |
| 10                 | QPSK       | 1               | 49        | 22.16                   | 22.31                      | 22.23                    |                           |             |  |
| 10                 | QPSK       | 25              | 0         | 21.36                   | 21.41                      | 21.31                    |                           |             |  |
| 10                 | QPSK       | 25              | 12        | 21.17                   | 21.28                      | 21.20                    | 23                        | 1           |  |
| 10                 | QPSK       | 25              | 25        | 21.27                   | 21.36                      | 21.26                    |                           |             |  |
| 10                 | QPSK       | 50              | 0         | 21.18                   | 21.30                      | 21.22                    |                           |             |  |
| 10                 | 16QAM      | 1               | 0         | 21.46                   | 21.61                      | 21.45                    |                           |             |  |
| 10                 | 16QAM      | 1               | 25        | 21.30                   | 21.41                      | 21.31                    | 23                        | 1           |  |
| 10                 | 16QAM      | 1               | 49        | 21.30                   | 21.43                      | 21.35                    |                           |             |  |
| 10                 | 16QAM      | 25              | 0         | 20.31                   | 20.44                      | 20.36                    |                           |             |  |
| 10                 | 16QAM      | 25              | 12        | 20.43                   | 20.49                      | 20.40                    |                           |             |  |
| 10                 | 16QAM      | 25              | 25        | 20.40                   | 20.52                      | 20.46                    | 22                        | 2           |  |
| 10                 | 16QAM      | 50              | 0         | 20.21                   | 20.33                      | 20.23                    |                           |             |  |
| 10                 | 84QAM      | 1               | 0         | 20.33                   | 20.46                      | 20.34                    |                           |             |  |
| 10                 | 84QAM      | 1               | 25        | 20.28                   | 20.38                      | 20.33                    |                           |             |  |
| 10                 | 84QAM      | 1               | 49        | 20.27                   | 20.43                      | 20.29                    | 22                        | 2           |  |
| 10                 | 84QAM      | 25              | 0         | 19.45                   | 19.51                      | 19.45                    |                           |             |  |
| 10                 | 84QAM      | 25              | 12        | 19.17                   | 19.27                      | 19.16                    |                           |             |  |
| 10                 | 84QAM      | 25              | 25        | 19.34                   | 19.43                      | 19.29                    |                           |             |  |
| 10                 | 84QAM      | 50              | 0         | 19.24                   | 19.38                      | 19.30                    | 19                        | 5           |  |
| 10                 | 256QAM     | 1               | 0         | 17.39                   | 17.54                      | 17.47                    |                           |             |  |
| 10                 | 256QAM     | 1               | 25        | 17.11                   | 17.24                      | 17.20                    |                           |             |  |
| 10                 | 256QAM     | 1               | 49        | 17.32                   | 17.46                      | 17.35                    |                           |             |  |
| 10                 | 256QAM     | 25              | 0         | 17.17                   | 17.33                      | 17.20                    | 19                        | 5           |  |
| 10                 | 256QAM     | 25              | 12        | 17.10                   | 17.23                      | 17.15                    |                           |             |  |
| 10                 | 256QAM     | 25              | 25        | 17.39                   | 17.47                      | 17.43                    |                           |             |  |
| 10                 | 256QAM     | 50              | 0         | 17.26                   | 17.41                      | 17.29                    |                           |             |  |
| Channel            |            |                 |           |                         |                            |                          |                           |             |  |
|                    |            | Frequency (MHz) |           | 706.5                   | 710                        | 713.5                    | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| 5                  | QPSK       | 1               | 0         | 22.27                   | 22.37                      | 22.33                    | 24                        | 0           |  |
| 5                  | QPSK       | 1               | 12        | 22.05                   | 22.16                      | 22.08                    |                           |             |  |
| 5                  | QPSK       | 1               | 24        | 22.01                   | 22.15                      | 22.16                    |                           |             |  |
| 5                  | QPSK       | 12              | 0         | 21.29                   | 21.29                      | 21.18                    |                           |             |  |
| 5                  | QPSK       | 12              | 7         | 21.06                   | 21.12                      | 21.15                    | 23                        | 1           |  |
| 5                  | QPSK       | 12              | 13        | 21.23                   | 21.22                      | 21.20                    |                           |             |  |
| 5                  | QPSK       | 25              | 0         | 21.06                   | 21.16                      | 21.10                    |                           |             |  |
| 5                  | 16QAM      | 1               | 0         | 21.34                   | 21.57                      | 21.41                    |                           |             |  |
| 5                  | 16QAM      | 1               | 12        | 21.14                   | 21.28                      | 21.15                    | 23                        | 1           |  |
| 5                  | 16QAM      | 1               | 24        | 21.20                   | 21.32                      | 21.33                    |                           |             |  |
| 5                  | 16QAM      | 12              | 0         | 20.22                   | 20.33                      | 20.22                    |                           |             |  |
| 5                  | 16QAM      | 12              | 7         | 20.39                   | 20.39                      | 20.33                    |                           |             |  |
| 5                  | 16QAM      | 12              | 13        | 20.29                   | 20.40                      | 20.36                    | 22                        | 2           |  |
| 5                  | 16QAM      | 25              | 0         | 20.14                   | 20.28                      | 20.10                    |                           |             |  |
| 5                  | 84QAM      | 1               | 0         | 20.17                   | 20.41                      | 20.20                    |                           |             |  |
| 5                  | 84QAM      | 1               | 12        | 20.17                   | 20.26                      | 20.16                    |                           |             |  |
| 5                  | 84QAM      | 1               | 24        | 20.17                   | 20.38                      | 20.14                    | 22                        | 2           |  |
| 5                  | 84QAM      | 12              | 0         | 19.35                   | 19.37                      | 19.26                    |                           |             |  |
| 5                  | 84QAM      | 12              | 7         | 19.10                   | 19.22                      | 19.10                    |                           |             |  |
| 5                  | 84QAM      | 12              | 13        | 19.28                   | 19.27                      | 19.17                    |                           |             |  |
| 5                  | 84QAM      | 25              | 0         | 19.20                   | 19.28                      | 19.25                    | 21                        | 3           |  |
| 5                  | 256QAM     | 1               | 0         | 17.29                   | 17.46                      | 17.33                    |                           |             |  |
| 5                  | 256QAM     | 1               | 12        | 17.03                   | 17.19                      | 17.06                    |                           |             |  |
| 5                  | 256QAM     | 1               | 24        | 17.27                   | 17.41                      | 17.31                    |                           |             |  |
| 5                  | 256QAM     | 12              | 0         | 17.06                   | 17.29                      | 17.09                    | 19                        | 5           |  |
| 5                  | 256QAM     | 12              | 7         | 17.02                   | 17.09                      | 17.04                    |                           |             |  |
| 5                  | 256QAM     | 12              | 13        | 17.30                   | 17.39                      | 17.29                    |                           |             |  |
| 5                  | 256QAM     | 25              | 0         | 17.20                   | 17.34                      | 17.17                    |                           |             |  |

| Band 26 for FCC Ant0 DSI 3 |            |         |           |                        |                           |                         |                           |             |  |
|----------------------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------------|-------------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Power High<br>Ch./Freq. | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                    |            |         |           | 26165                  | 26665                     | 26965                   |                           |             |  |
| Frequency (MHz)            |            |         |           | 821.5                  | 831.5                     | 841.5                   |                           |             |  |
| 15                         | QPSK       | 1       | 0         | 22.19                  | 22.38                     | 22.25                   | 24                        | 0           |  |
| 15                         | QPSK       | 1       | 37        | 22.05                  | 22.17                     | 22.10                   |                           |             |  |
| 15                         | QPSK       | 1       | 74        | 22.15                  | 22.21                     | 22.13                   |                           |             |  |
| 15                         | QPSK       | 36      | 0         | 21.40                  | 21.46                     | 21.41                   |                           |             |  |
| 15                         | QPSK       | 36      | 20        | 21.24                  | 21.32                     | 21.28                   | 23                        | 1           |  |
| 15                         | QPSK       | 36      | 39        | 21.27                  | 21.41                     | 21.37                   |                           |             |  |
| 15                         | QPSK       | 75      | 0         | 21.28                  | 21.35                     | 21.26                   |                           |             |  |
| 15                         | 16QAM      | 1       | 0         | 21.27                  | 21.38                     | 21.31                   |                           |             |  |
| 15                         | 16QAM      | 1       | 37        | 21.19                  | 21.26                     | 21.14                   | 23                        | 1           |  |
| 15                         | 16QAM      | 1       | 74        | 21.40                  | 21.45                     | 21.29                   |                           |             |  |
| 15                         | 16QAM      | 36      | 0         | 20.41                  | 20.52                     | 20.42                   |                           |             |  |
| 15                         | 16QAM      | 36      | 20        | 20.34                  | 20.43                     | 20.34                   |                           |             |  |
| 15                         | 16QAM      | 36      | 39        | 20.22                  | 20.31                     | 20.20                   | 22                        | 2           |  |
| 15                         | 16QAM      | 75      | 0         | 20.35                  | 20.46                     | 20.36                   |                           |             |  |
| 15                         | 84QAM      | 1       | 0         | 20.37                  | 20.43                     | 20.38                   |                           |             |  |
| 15                         | 84QAM      | 1       | 37        | 20.16                  | 20.28                     | 20.12                   |                           |             |  |
| 15                         | 84QAM      | 1       | 74        | 20.26                  | 20.36                     | 20.24                   | 21                        | 3           |  |
| 15                         | 84QAM      | 36      | 0         | 19.35                  | 19.48                     | 19.41                   |                           |             |  |
| 15                         | 84QAM      | 36      | 20        | 19.11                  | 19.21                     | 19.13                   |                           |             |  |
| 15                         | 84QAM      | 36      | 39        | 19.28                  | 19.38                     | 19.29                   |                           |             |  |
| 15                         | 84QAM      | 75      | 0         | 19.39                  | 19.47                     | 19.39                   | 19                        | 5           |  |
| 15                         | 256QAM     | 1       | 0         | 17.36                  | 17.43                     | 17.37                   |                           |             |  |
| 15                         | 256QAM     | 1       | 37        | 17.23                  | 17.29                     | 17.25                   |                           |             |  |
| 15                         | 256QAM     | 1       | 74        | 17.26                  | 17.36                     | 17.29                   |                           |             |  |
| 15                         | 256QAM     | 36      | 0         | 17.45                  | 17.55                     | 17.45                   | 19                        | 5           |  |
| 15                         | 256QAM     | 36      | 20        | 17.37                  | 17.42                     | 17.34                   |                           |             |  |
| 15                         | 256QAM     | 36      | 39        | 17.23                  | 17.38                     | 17.26                   |                           |             |  |
| 15                         | 256QAM     | 75      | 0         | 17.38                  | 17.51                     | 17.42                   |                           |             |  |
| Channel                    |            |         |           | 26740                  | 26665                     | 26990                   | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)            |            |         |           | 819                    | 831.5                     | 844                     |                           |             |  |
| 10                         | QPSK       | 1       | 0         | 22.10                  | 22.22                     | 22.19                   | 24                        | 0           |  |
| 10                         | QPSK       | 1       | 25        | 22.04                  | 22.04                     | 22.01                   |                           |             |  |
| 10                         | QPSK       | 1       | 49        | 22.05                  | 22.06                     | 22.11                   |                           |             |  |
| 10                         | QPSK       | 25      | 0         | 21.27                  | 21.37                     | 21.25                   |                           |             |  |
| 10                         | QPSK       | 25      | 12        | 21.09                  | 21.25                     | 21.14                   | 23                        | 1           |  |
| 10                         | QPSK       | 25      | 25        | 21.16                  | 21.29                     | 21.31                   |                           |             |  |
| 10                         | QPSK       | 50      | 0         | 21.13                  | 21.24                     | 21.16                   |                           |             |  |
| 10                         | 16QAM      | 1       | 0         | 21.18                  | 21.27                     | 21.21                   |                           |             |  |
| 10                         | 16QAM      | 1       | 25        | 21.13                  | 21.14                     | 21.02                   | 23                        | 1           |  |
| 10                         | 16QAM      | 1       | 49        | 21.30                  | 21.37                     | 21.16                   |                           |             |  |
| 10                         | 16QAM      | 25      | 0         | 20.31                  | 20.45                     | 20.33                   |                           |             |  |
| 10                         | 16QAM      | 25      | 12        | 20.20                  | 20.31                     | 20.26                   |                           |             |  |
| 10                         | 16QAM      | 50      | 0         | 20.18                  | 20.24                     | 20.15                   | 22                        | 2           |  |
| 10                         | 16QAM      | 50      | 0         | 20.23                  | 20.30                     | 20.27                   |                           |             |  |
| 10                         | 84QAM      | 1       | 0         | 20.28                  | 20.31                     | 20.31                   |                           |             |  |
| 10                         | 84QAM      | 1       | 25        | 20.00                  | 20.13                     | 20.06                   |                           |             |  |
| 10                         | 84QAM      | 1       | 49        | 20.22                  | 20.22                     | 20.11                   | 22                        | 2           |  |
| 10                         | 84QAM      | 25      | 0         | 19.25                  | 19.41                     | 19.30                   |                           |             |  |
| 10                         | 84QAM      | 25      | 12        | 19.21                  | 19.11                     | 19.11                   |                           |             |  |
| 10                         | 84QAM      | 25      | 25        | 19.15                  | 19.29                     | 19.23                   |                           |             |  |
| 10                         | 84QAM      | 50      | 0         | 19.32                  | 19.43                     | 19.32                   | 21                        | 3           |  |
| 10                         | 256QAM     | 1       | 0         | 17.26                  | 17.28                     | 17.23                   |                           |             |  |
| 10                         | 256QAM     | 1       | 25        | 17.09                  | 17.16                     | 17.14                   |                           |             |  |
| 10                         | 256QAM     | 1       | 49        | 17.12                  | 17.31                     | 17.18                   |                           |             |  |
| 10                         | 256QAM     | 25      | 0         | 17.32                  | 17.43                     | 17.41                   | 19                        | 5           |  |
| 10                         | 256QAM     | 25      | 12        | 17.24                  | 17.28                     | 17.21                   |                           |             |  |
| 10                         | 256QAM     | 25      | 25        | 17.15                  | 17.33                     | 17.15                   |                           |             |  |
| 10                         | 256QAM     | 50      | 0         | 17.32                  | 17.40                     | 17.26                   |                           |             |  |
| Channel                    |            |         |           | 26715                  | 26665                     | 27075                   | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)            |            |         |           | 818.5                  | 831.5                     | 846.5                   |                           |             |  |
| 5                          | QPSK       | 1       | 0         | 22.14                  | 22.22                     | 22.15                   | 24                        | 0           |  |
| 5                          | QPSK       | 1       | 12        | 22.03                  | 22.13                     | 22.05                   |                           |             |  |
| 5                          | QPSK       | 1       | 24        | 22.06                  | 22.09                     | 22.01                   |                           |             |  |
| 5                          | QPSK       | 12      | 0         | 21.35                  | 21.38                     | 21.26                   |                           |             |  |
| 5                          | QPSK       | 12      | 7         | 21.20                  | 21.24                     | 21.18                   | 23                        | 1           |  |
| 5                          | QPSK       | 12      | 13        | 21.15                  | 21.35                     | 21.28                   |                           |             |  |
| 5                          | QPSK       | 25      | 0         | 21.15                  | 21.21                     | 21.12                   |                           |             |  |
| 5                          | 16QAM      | 1       | 0         | 21.14                  | 21.31                     | 21.22                   |                           |             |  |
| 5                          | 16QAM      | 1       | 12        | 21.06                  | 21.15                     | 21.03                   | 23                        | 1           |  |
| 5                          | 16QAM      | 1       | 24        | 21.35                  | 21.30                     | 21.23                   |                           |             |  |
| 5                          | 16QAM      | 12      | 0         | 20.33                  | 20.39                     | 20.32                   |                           |             |  |
| 5                          | 16QAM      | 12      | 7         | 20.21                  | 20.33                     | 20.28                   |                           |             |  |
| 5                          | 16QAM      | 12      | 13        | 20.16                  | 20.32                     | 20.29                   | 22                        | 2           |  |
| 5                          | 16QAM      | 25      | 0         | 20.22                  | 20.33                     | 20.30                   |                           |             |  |
| 5                          | 16QAM      | 25      | 7         | 20.20                  | 20.37                     | 20.34                   |                           |             |  |
| 5                          | 84QAM      | 1       | 0         | 21.26                  | 20.33                     | 20.18                   |                           |             |  |
| 5                          | 84QAM      | 1       | 24        | 20.28                  | 20.33                     | 20.18                   | 22                        | 2           |  |
| 5                          | 84QAM      | 1       | 24        | 20.12                  | 20.31                     | 20.10                   |                           |             |  |
| 5                          | 84QAM      | 12      | 0         | 19.30                  | 19.37                     | 19.23                   |                           |             |  |
| 5                          | 84QAM      | 12      | 7         | 19.03                  | 19.14                     | 19.01                   |                           |             |  |
| 5                          | 84QAM      | 12      | 13        | 19.13                  | 19.26                     | 19.16                   | 21                        | 3           |  |
| 5                          | 84QAM      | 25      | 0         | 19.29                  | 19.43                     | 19.29                   |                           |             |  |
| 5                          | 256QAM     | 1       | 0         | 17.21                  | 17.36                     | 17.22                   |                           |             |  |
| 5                          | 256QAM     | 1       | 12        | 17.09                  | 17.18                     | 17.17                   |                           |             |  |
| 5                          | 256QAM     | 1       | 24        | 17.16                  | 17.20                     | 17.21                   | 19                        | 5           |  |
| 5                          | 256QAM     | 12      | 0         | 17.31                  | 17.45                     | 17.34                   |                           |             |  |
| 5                          | 256QAM     | 12      | 7         | 17.28                  | 17.29                     | 17.21                   |                           |             |  |
| 5                          | 256QAM     | 12      | 13        | 17.09                  | 17.32                     | 17.21                   |                           |             |  |
| 5                          | 256QAM     | 25      | 0         | 17.30                  | 17.42                     | 17.27                   |                           |             |  |
| Channel                    |            |         |           | 26740                  | 26665                     | 27075                   | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)            |            |         |           | 815.5                  | 831.5                     | 847.5                   |                           |             |  |
| 3                          | QPSK       | 1       | 0         | 22.05                  | 22.23                     | 22.09                   | 24                        | 0           |  |
| 3                          | QPSK       | 1       | 8         | 22.04                  | 22.11                     | 22.02                   |                           |             |  |
| 3                          | QPSK       | 1       | 14        | 22.02                  | 22.07                     | 22.04                   |                           |             |  |
| 3                          | QPSK       | 8       | 0         | 21.31                  | 21.30                     | 21.32                   |                           |             |  |
| 3                          | QPSK       | 8       | 4         | 21.08                  | 21.27                     | 21.12                   | 23                        | 1           |  |
| 3                          | QPSK       | 8       | 21        | 21.17                  | 21.21                     | 21.25                   |                           |             |  |
| 3                          | QPSK       | 15      | 0         | 21.18                  | 21.22                     | 21.16                   |                           |             |  |
| 3                          | 16QAM      | 1       | 0         | 21.15                  | 21.28                     | 21.21                   |                           |             |  |
| 3                          | 16QAM      | 1       | 8         | 21.15                  | 21.18                     | 21.22                   | 23                        | 1           |  |
| 3                          | 16QAM      | 1       | 14        | 21.34                  | 21.40                     | 21.31                   |                           |             |  |
| 3                          | 16QAM      | 8       | 0         | 20.30                  | 20.36                     | 20.38                   |                           |             |  |
| 3                          | 16QAM      | 8       | 4         | 20.26                  | 20.38                     | 20.20                   |                           |             |  |
| 3                          | 16QAM      | 8       | 7         | 20.06                  | 20.21                     | 20.12                   | 22                        | 2           |  |
| 3                          | 16QAM      | 15      | 0         | 20.25                  | 20.31                     | 20.21                   |                           |             |  |
| 3                          | 84QAM      | 1       | 0         | 20.26                  | 20.37                     | 20.25                   |                           |             |  |
| 3                          | 84QAM      | 8       | 0         | 20.06                  | 20.37                     | 20.01                   |                           |             |  |
| 3                          | 84QAM      | 1       | 14        | 20.13                  | 20.29                     | 20.09                   | 22                        | 2           |  |
| 3                          | 84QAM      | 8       | 0         | 19.25                  | 19.36                     | 19.27                   |                           |             |  |
| 3                          | 84QAM      | 8       | 4         | 19.11                  | 19.12                     | 19.03                   |                           |             |  |
| 3                          | 84QAM      | 8       | 7         | 19.16                  | 19.33                     | 19.18                   |                           |             |  |
| 3                          | 84QAM      | 15      | 0         | 19.32                  | 19.37                     | 19.32                   | 19                        | 5           |  |
| 3                          | 256QAM     | 1       | 0         | 17.21                  | 17.26                     | 17.22                   |                           |             |  |
| 3                          | 256QAM     | 1       | 8         | 17.16                  | 17.20                     | 17.16                   |                           |             |  |
| 3                          | 256QAM     | 1       | 14        | 17.21                  | 17.22                     | 17.14                   |                           |             |  |
| 3                          | 256QAM     | 8       | 0         | 17.36                  | 17.44                     | 17.30                   | 19                        | 5           |  |
| 3                          | 256QAM     | 8       | 4         | 17.23                  | 17.26                     | 17.24                   |                           |             |  |
| 3                          | 256QAM     | 8       | 7         | 17.17                  | 17.24                     | 17.12                   |                           |             |  |
| 3                          | 256QAM     | 15      | 0         | 17.25                  | 17.46                     | 17.29                   |                           |             |  |
| Channel                    |            |         |           | 26697                  | 26665                     | 27033                   | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)            |            |         |           | 814.7                  | 831.5                     | 848.3                   |                           |             |  |
| 1.4                        | QPSK       | 1       | 0         | 22.05                  | 22.25                     | 22.17                   | 24                        | 0           |  |
| 1.4                        | QPSK       | 1       | 5         | 22.00                  | 22.01                     | 22.00                   |                           |             |  |
| 1.4                        | QPSK       | 1       | 3         | 22.02                  | 22.14                     | 22.03                   |                           |             |  |
| 1.4                        | QPSK       | 3       | 0         | 22.05                  | 22.12                     | 22.16                   |                           |             |  |
| 1.4                        | QPSK       | 3       | 1         | 22.00                  | 22.06                     | 22.05                   | 23                        | 1           |  |
| 1.4                        | QPSK       | 3       | 3         | 22.00                  | 22.16                     | 22.03                   |                           |             |  |
| 1.4                        | 16QAM      | 1       | 0         | 21.20                  | 21.34                     | 21.17                   |                           |             |  |
| 1.4                        | 16QAM      | 1       | 0         | 21.20                  | 21.34                     | 21.17                   |                           |             |  |
| 1.4                        | 16QAM      | 1       | 5         | 21.34                  | 21.31                     | 21.18                   | 23                        | 1           |  |
| 1.4                        | 16QAM      | 3       | 0         | 21.16                  | 21.30                     | 21.26                   |                           |             |  |
| 1.4                        | 16QAM      | 3       | 1         | 21.19                  | 21.28                     | 21.12                   |                           |             |  |
| 1.4                        | 16QAM      | 3       | 3         | 21.18                  | 21.28                     | 21.12                   |                           |             |  |
| 1.4                        | 16QAM      | 6       | 0         | 20.31                  | 20.35                     | 20.29                   | 22                        | 2           |  |
| 1.4                        | 16QAM      | 6       | 0         | 20.30                  | 20.36                     | 20.32                   |                           |             |  |
| 1.4                        | 84QAM      | 1       | 0         | 20.31                  | 20.23                     | 20.27                   |                           |             |  |
| 1.4                        | 84QAM      | 1       | 5         | 20.19                  | 20.22                     | 20.28                   |                           |             |  |
| 1.4                        | 84QAM      | 3       | 0         | 20.28                  | 20.43                     | 20.27                   | 22                        | 2           |  |
| 1.4                        | 84QAM      | 3       | 1         | 20.27                  | 20.30                     | 20.24                   |                           |             |  |
| 1.4                        | 84QAM      | 3       | 1         | 20.26                  | 20.30                     | 20.24                   |                           |             |  |
| 1.4                        | 84QAM      | 6       | 0         | 19.26                  | 19.39                     | 19.26                   |                           |             |  |
| 1.4                        | 256QAM     | 1       | 0         | 17.27                  | 17.35                     | 17.31                   | 19                        | 5           |  |
| 1.4                        | 256QAM     | 1       | 3         | 17.22                  | 17.23                     | 17.21                   |                           |             |  |
| 1.4                        | 256QAM     | 1       | 5         | 17.18                  | 17.22                     | 17.24                   |                           |             |  |
| 1.4                        | 256QAM     | 3       | 0         | 17.41                  | 17.50                     | 17.36                   |                           |             |  |
| 1.4                        | 256QAM     | 3       | 1         | 17.33                  | 17.37                     | 17.32                   | 19                        | 5           |  |
| 1.4                        | 256QAM     | 3       | 3         | 17.15                  | 17.27                     | 17.12                   |                           |             |  |
| 1.4                        | 256QAM     | 6       | 0         | 17.34                  | 17.40                     | 17.31                   |                           |             |  |
| 1.4                        | 256QAM     | 6       | 0         | 17.34                  | 17.40                     | 17.31                   |                           |             |  |

| GSM1900 Ant1 DSI 3 |                           |       |        |         |                           |       |        |
|--------------------|---------------------------|-------|--------|---------|---------------------------|-------|--------|
| GSM1900            | Burst Average Power (dBm) |       |        | Tune-up | Frame-Average Power (dBm) |       |        |
| TX Channel         | 512                       | 661   | 810    | Limit   | 512                       | 661   | 810    |
| Frequency (MHz)    | 1822.2                    | 1830  | 1837.8 | (dBm)   | 1822.2                    | 1830  | 1837.8 |
| GSM 1 Tx slot      | 29.40                     | 29.35 | 29.32  | 30.50   | 20.40                     | 20.39 | 20.32  |
| GPRS 1 Tx slot     | 29.30                     | 29.36 | 29.30  | 30.50   | 20.39                     | 20.36 | 20.30  |
| GPRS 2 Tx slots    | 27.53                     | 27.62 | 27.52  | 28.50   | 21.53                     | 21.62 | 21.52  |
| GPRS 3 Tx slots    | 24.93                     | 24.96 | 24.90  | 26.00   | 20.67                     | 20.60 | 20.54  |
| GPRS 4 Tx slots    | 23.99                     | 23.04 | 23.08  | 24.00   | 19.99                     | 20.04 | 20.08  |
| EDGE 1 Tx slot     | 24.54                     | 24.61 | 24.61  | 25.50   | 15.54                     | 15.61 | 15.61  |
| EDGE 2 Tx slots    | 23.29                     | 23.30 | 23.30  | 24.50   | 17.29                     | 17.30 | 17.30  |
| EDGE 3 Tx slots    | 21.24                     | 21.16 | 21.09  | 22.00   | 16.98                     | 16.92 | 16.83  |
| EDGE 4 Tx slots    | 19.10                     | 19.06 | 19.09  | 20.00   | 16.10                     | 16.09 | 16.09  |

|                 |                   | WCDMA II Ant1 DSI 3 |        |         |          | WCDMA IV Ant1 DSI 3 |        |         |  |
|-----------------|-------------------|---------------------|--------|---------|----------|---------------------|--------|---------|--|
| Band            | WCDMA II          |                     |        |         | WCDMA IV |                     |        |         |  |
| TX Channel      | 5262              | 5400                | 5538   | Tune-up | 1312     | 1413                | 1513   | Tune-up |  |
| Rx Channel      | 5692              | 5930                | 5938   | Limit   | 1537     | 1638                | 1738   | (dBm)   |  |
| Frequency (MHz) | 1852.4            | 1880                | 1907.6 |         | 1732.4   | 1732.6              | 1752.6 |         |  |
| 3GPP Rel 99     | AMR 12.2Kbps      | 21.23               | 21.31  | 21.19   | 22.30    | 20.45               | 20.41  | 20.43   |  |
| 3GPP Rel 99     | RMC 12.2Kbps      | 21.18               | 21.33  | 21.31   | 22.30    | 20.47               | 20.48  | 20.44   |  |
| 3GPP Rel 6      | HSDPA Subtest-1   | 20.32               | 20.44  | 20.19   | 21.30    | 19.47               | 19.42  | 19.59   |  |
| 3GPP Rel 6      | HSDPA Subtest-2   | 20.26               | 20.37  | 20.26   | 21.30    | 19.55               | 19.65  | 19.45   |  |
| 3GPP Rel 6      | HSDPA Subtest-3   | 19.93               | 19.88  | 19.72   | 20.80    | 19.02               | 19.16  | 19.21   |  |
| 3GPP Rel 6      | HSDPA Subtest-4   | 19.55               | 19.75  | 19.67   | 20.80    | 18.62               | 19.02  | 18.97   |  |
| 3GPP Rel 6      | DCHSDPA Subtest-1 | 20.20               | 20.38  | 20.18   | 21.30    | 19.52               | 19.57  | 19.30   |  |
| 3GPP Rel 6      | DCHSDPA Subtest-2 | 20.36               | 20.30  | 20.14   | 21.30    | 19.44               | 19.42  | 19.48   |  |
| 3GPP Rel 6      | DCHSDPA Subtest-3 | 19.70               | 20.08  | 19.72   | 20.80    | 19.14               | 19.08  | 19.04   |  |
| 3GPP Rel 6      | DCHSDPA Subtest-4 | 19.83               | 19.86  | 19.75   | 20.80    | 18.96               | 19.07  | 18.81   |  |
| 3GPP Rel 6      | HSPA Subtest-1    | 20.20               | 20.29  | 20.37   | 21.30    | 19.37               | 19.53  | 19.42   |  |
| 3GPP Rel 6      | HSPA Subtest-2    | 18.28               | 18.47  | 18.39   | 19.30    | 17.35               | 17.55  | 17.41   |  |
| 3GPP Rel 6      | HSPA Subtest-3    | 19.07               | 18.24  | 19.13   | 20.30    | 18.47               | 18.48  | 18.41   |  |
| 3GPP Rel 6      | HSPA Subtest-4    | 18.19               | 18.35  | 18.16   | 19.30    | 17.55               | 17.64  | 17.41   |  |
| 3GPP Rel 6      | HSPA Subtest-5    | 20.20               | 20.40  | 20.38   | 21.30    | 19.55               | 19.36  | 19.50   |  |





| Band 38 Ant1 DSI 3 |            |         |           |                       |                        |                          |                     |          |  |
|--------------------|------------|---------|-----------|-----------------------|------------------------|--------------------------|---------------------|----------|--|
| BW [MHz]           | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power High Ch. / Freq. | Power Middle Ch. / Freq. | Tune-up limit (dbm) | MPR (db) |  |
| Channel            |            |         |           | 37650                 | 38000                  | 38150                    |                     |          |  |
| Frequency (MHz)    |            |         |           | 2580                  | 2595                   | 2610                     |                     |          |  |
| 20                 | QPSK       | 1       | 0         | 22.31                 | 22.37                  | 22.36                    | 22.8                | 0        |  |
| 20                 | QPSK       | 1       | 49        | 22.11                 | 22.28                  | 22.14                    |                     |          |  |
| 20                 | QPSK       | 1       | 99        | 22.04                 | 22.05                  | 22.07                    |                     |          |  |
| 20                 | QPSK       | 50      | 0         | 21.64                 | 21.78                  | 21.59                    |                     |          |  |
| 20                 | QPSK       | 50      | 24        | 21.55                 | 21.68                  | 21.62                    | 22.8                | 0        |  |
| 20                 | QPSK       | 50      | 50        | 21.66                 | 21.75                  | 21.61                    |                     |          |  |
| 20                 | QPSK       | 100     | 0         | 21.61                 | 21.70                  | 21.62                    |                     |          |  |
| 20                 | 16QAM      | 1       | 0         | 21.78                 | 21.90                  | 21.79                    |                     |          |  |
| 20                 | 16QAM      | 1       | 49        | 21.66                 | 21.79                  | 21.65                    | 22.8                | 0        |  |
| 20                 | 16QAM      | 1       | 99        | 21.64                 | 21.73                  | 21.59                    |                     |          |  |
| 20                 | 16QAM      | 50      | 0         | 20.72                 | 20.82                  | 20.75                    |                     |          |  |
| 20                 | 16QAM      | 50      | 24        | 20.53                 | 20.63                  | 20.54                    |                     |          |  |
| 20                 | 16QAM      | 50      | 50        | 20.61                 | 20.70                  | 20.66                    | 22                  | 0.8      |  |
| 20                 | 16QAM      | 100     | 0         | 20.67                 | 20.73                  | 20.67                    |                     |          |  |
| 20                 | 64QAM      | 1       | 0         | 21.66                 | 21.75                  | 21.61                    |                     |          |  |
| 20                 | 64QAM      | 1       | 49        | 21.53                 | 21.61                  | 21.50                    |                     |          |  |
| 20                 | 64QAM      | 1       | 99        | 21.66                 | 21.73                  | 21.64                    | 22                  | 0.8      |  |
| 20                 | 64QAM      | 50      | 0         | 20.70                 | 20.74                  | 20.62                    |                     |          |  |
| 20                 | 64QAM      | 50      | 24        | 20.52                 | 20.58                  | 20.46                    |                     |          |  |
| 20                 | 64QAM      | 50      | 50        | 20.66                 | 20.72                  | 20.67                    |                     |          |  |
| 20                 | 64QAM      | 100     | 0         | 20.64                 | 20.78                  | 20.71                    | 21                  | 1.8      |  |
| 20                 | 256QAM     | 1       | 0         | 17.63                 | 17.70                  | 17.58                    |                     |          |  |
| 20                 | 256QAM     | 1       | 49        | 17.52                 | 17.61                  | 17.56                    |                     |          |  |
| 20                 | 256QAM     | 1       | 99        | 17.55                 | 17.64                  | 17.51                    |                     |          |  |
| 20                 | 256QAM     | 50      | 0         | 17.78                 | 17.85                  | 17.78                    | 19                  | 3.8      |  |
| 20                 | 256QAM     | 50      | 24        | 17.58                 | 17.68                  | 17.59                    |                     |          |  |
| 20                 | 256QAM     | 50      | 50        | 17.62                 | 17.77                  | 17.68                    |                     |          |  |
| 20                 | 256QAM     | 100     | 0         | 17.61                 | 17.76                  | 17.64                    |                     |          |  |
| Channel            |            |         |           | 37625                 | 38000                  | 38175                    | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)    |            |         |           | 2577.5                | 2595                   | 2612.5                   |                     |          |  |
| 15                 | QPSK       | 1       | 0         | 22.22                 | 22.32                  | 22.23                    | 22.8                | 0        |  |
| 15                 | QPSK       | 1       | 37        | 21.99                 | 22.20                  | 22.00                    |                     |          |  |
| 15                 | QPSK       | 1       | 74        | 21.89                 | 21.92                  | 21.92                    |                     |          |  |
| 15                 | QPSK       | 36      | 0         | 21.60                 | 21.71                  | 21.53                    |                     |          |  |
| 15                 | QPSK       | 36      | 20        | 21.40                 | 21.52                  | 21.52                    | 22.8                | 0        |  |
| 15                 | QPSK       | 36      | 39        | 21.54                 | 21.66                  | 21.57                    |                     |          |  |
| 15                 | QPSK       | 75      | 0         | 21.55                 | 21.59                  | 21.50                    |                     |          |  |
| 15                 | 16QAM      | 1       | 0         | 21.71                 | 21.81                  | 21.66                    |                     |          |  |
| 15                 | 16QAM      | 1       | 37        | 21.51                 | 21.66                  | 21.50                    | 22.8                | 0        |  |
| 15                 | 16QAM      | 1       | 74        | 21.55                 | 21.57                  | 21.45                    |                     |          |  |
| 15                 | 16QAM      | 36      | 0         | 20.58                 | 20.73                  | 20.69                    |                     |          |  |
| 15                 | 16QAM      | 36      | 20        | 20.39                 | 20.50                  | 20.49                    |                     |          |  |
| 15                 | 16QAM      | 36      | 39        | 20.51                 | 20.60                  | 20.50                    | 22                  | 0.8      |  |
| 15                 | 16QAM      | 75      | 0         | 20.58                 | 20.62                  | 20.54                    |                     |          |  |
| 15                 | 64QAM      | 1       | 0         | 21.54                 | 21.64                  | 21.55                    |                     |          |  |
| 15                 | 64QAM      | 1       | 37        | 21.38                 | 21.53                  | 21.38                    |                     |          |  |
| 15                 | 64QAM      | 1       | 74        | 21.51                 | 21.67                  | 21.49                    | 22                  | 0.8      |  |
| 15                 | 64QAM      | 36      | 0         | 20.62                 | 20.68                  | 20.48                    |                     |          |  |
| 15                 | 64QAM      | 36      | 20        | 20.42                 | 20.48                  | 20.39                    |                     |          |  |
| 15                 | 64QAM      | 36      | 39        | 20.58                 | 20.63                  | 20.56                    |                     |          |  |
| 15                 | 64QAM      | 75      | 0         | 20.55                 | 20.67                  | 20.58                    | 21                  | 1.8      |  |
| 15                 | 256QAM     | 1       | 0         | 17.58                 | 17.62                  | 17.52                    |                     |          |  |
| 15                 | 256QAM     | 1       | 37        | 17.46                 | 17.52                  | 17.47                    |                     |          |  |
| 15                 | 256QAM     | 1       | 74        | 17.48                 | 17.52                  | 17.38                    |                     |          |  |
| 15                 | 256QAM     | 36      | 0         | 17.68                 | 17.70                  | 17.73                    | 19                  | 3.8      |  |
| 15                 | 256QAM     | 36      | 20        | 17.53                 | 17.62                  | 17.43                    |                     |          |  |
| 15                 | 256QAM     | 36      | 39        | 17.55                 | 17.69                  | 17.56                    |                     |          |  |
| 15                 | 256QAM     | 75      | 0         | 17.54                 | 17.65                  | 17.59                    |                     |          |  |
| Channel            |            |         |           | 37600                 | 38000                  | 38200                    | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)    |            |         |           | 2575                  | 2595                   | 2615                     |                     |          |  |
| 10                 | QPSK       | 1       | 0         | 22.18                 | 22.32                  | 22.21                    | 22.8                | 0        |  |
| 10                 | QPSK       | 1       | 25        | 22.07                 | 22.23                  | 22.09                    |                     |          |  |
| 10                 | QPSK       | 1       | 49        | 21.99                 | 22.01                  | 21.93                    |                     |          |  |
| 10                 | QPSK       | 25      | 0         | 21.53                 | 21.70                  | 21.50                    |                     |          |  |
| 10                 | QPSK       | 25      | 12        | 21.44                 | 21.59                  | 21.48                    | 22.8                | 0        |  |
| 10                 | QPSK       | 25      | 25        | 21.53                 | 21.62                  | 21.52                    |                     |          |  |
| 10                 | QPSK       | 50      | 0         | 21.50                 | 21.56                  | 21.54                    |                     |          |  |
| 10                 | 16QAM      | 1       | 0         | 21.71                 | 21.76                  | 21.68                    |                     |          |  |
| 10                 | 16QAM      | 1       | 25        | 21.59                 | 21.73                  | 21.49                    | 22.8                | 0        |  |
| 10                 | 16QAM      | 1       | 49        | 21.52                 | 21.64                  | 21.48                    |                     |          |  |
| 10                 | 16QAM      | 25      | 0         | 20.67                 | 20.68                  | 20.64                    |                     |          |  |
| 10                 | 16QAM      | 25      | 12        | 20.48                 | 20.51                  | 20.45                    |                     |          |  |
| 10                 | 16QAM      | 25      | 25        | 20.46                 | 20.58                  | 20.57                    | 22                  | 0.8      |  |
| 10                 | 16QAM      | 50      | 0         | 20.57                 | 20.62                  | 20.58                    |                     |          |  |
| 10                 | 64QAM      | 1       | 0         | 21.60                 | 21.61                  | 21.52                    |                     |          |  |
| 10                 | 64QAM      | 1       | 25        | 21.39                 | 21.56                  | 21.36                    |                     |          |  |
| 10                 | 64QAM      | 1       | 49        | 21.62                 | 21.65                  | 21.55                    | 22                  | 0.8      |  |
| 10                 | 64QAM      | 25      | 0         | 20.64                 | 20.58                  | 20.58                    |                     |          |  |
| 10                 | 64QAM      | 25      | 12        | 20.39                 | 20.54                  | 20.33                    |                     |          |  |
| 10                 | 64QAM      | 25      | 25        | 20.56                 | 20.66                  | 20.58                    |                     |          |  |
| 10                 | 64QAM      | 50      | 0         | 20.59                 | 20.73                  | 20.63                    | 21                  | 1.8      |  |
| 10                 | 256QAM     | 1       | 0         | 17.49                 | 17.58                  | 17.51                    |                     |          |  |
| 10                 | 256QAM     | 1       | 25        | 17.44                 | 17.45                  | 17.43                    |                     |          |  |
| 10                 | 256QAM     | 1       | 49        | 17.40                 | 17.59                  | 17.40                    |                     |          |  |
| 10                 | 256QAM     | 25      | 0         | 17.65                 | 17.69                  | 17.64                    | 19                  | 3.8      |  |
| 10                 | 256QAM     | 25      | 12        | 17.51                 | 17.53                  | 17.44                    |                     |          |  |
| 10                 | 256QAM     | 25      | 25        | 17.56                 | 17.73                  | 17.61                    |                     |          |  |
| 10                 | 256QAM     | 50      | 0         | 17.49                 | 17.64                  | 17.52                    |                     |          |  |
| Channel            |            |         |           | 37775                 | 38000                  | 38225                    | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)    |            |         |           | 2572.5                | 2595                   | 2617.5                   |                     |          |  |
| 5                  | QPSK       | 1       | 0         | 22.19                 | 22.30                  | 22.21                    | 22.8                | 0        |  |
| 5                  | QPSK       | 1       | 12        | 22.01                 | 22.22                  | 22.02                    |                     |          |  |
| 5                  | QPSK       | 1       | 24        | 21.91                 | 21.97                  | 21.91                    |                     |          |  |
| 5                  | QPSK       | 12      | 0         | 21.50                 | 21.65                  | 21.48                    |                     |          |  |
| 5                  | QPSK       | 12      | 7         | 21.44                 | 21.54                  | 21.49                    | 22.8                | 0        |  |
| 5                  | QPSK       | 12      | 13        | 21.61                 | 21.63                  | 21.52                    |                     |          |  |
| 5                  | QPSK       | 25      | 0         | 21.51                 | 21.58                  | 21.57                    | 22.8                | 0        |  |
| 5                  | 16QAM      | 1       | 0         | 21.67                 | 21.77                  | 21.71                    |                     |          |  |
| 5                  | 16QAM      | 1       | 12        | 21.55                 | 21.66                  | 21.51                    |                     |          |  |
| 5                  | 16QAM      | 1       | 24        | 21.53                 | 21.61                  | 21.51                    |                     |          |  |
| 5                  | 16QAM      | 12      | 0         | 20.60                 | 20.71                  | 20.63                    | 22                  | 0.8      |  |
| 5                  | 16QAM      | 12      | 7         | 20.37                 | 20.52                  | 20.40                    |                     |          |  |
| 5                  | 16QAM      | 12      | 13        | 20.52                 | 20.58                  | 20.58                    |                     |          |  |
| 5                  | 16QAM      | 25      | 0         | 20.55                 | 20.66                  | 20.63                    |                     |          |  |
| 5                  | 64QAM      | 1       | 0         | 21.53                 | 21.61                  | 21.53                    | 22                  | 0.8      |  |
| 5                  | 64QAM      | 1       | 12        | 21.48                 | 21.48                  | 21.36                    |                     |          |  |
| 5                  | 64QAM      | 1       | 24        | 21.61                 | 21.61                  | 21.59                    |                     |          |  |
| 5                  | 64QAM      | 12      | 0         | 20.57                 | 20.66                  | 20.58                    |                     |          |  |
| 5                  | 64QAM      | 12      | 7         | 20.47                 | 20.42                  | 20.41                    | 21                  | 1.8      |  |
| 5                  | 64QAM      | 12      | 13        | 20.51                 | 20.56                  | 20.20                    |                     |          |  |
| 5                  | 64QAM      | 25      | 0         | 20.58                 | 20.63                  | 20.67                    |                     |          |  |
| 5                  | 256QAM     | 1       | 0         | 17.51                 | 17.62                  | 17.51                    |                     |          |  |
| 5                  | 256QAM     | 1       | 12        | 17.47                 | 17.51                  | 17.48                    | 19                  | 3.8      |  |
| 5                  | 256QAM     | 1       | 24        | 17.46                 | 17.53                  | 17.36                    |                     |          |  |
| 5                  | 256QAM     | 12      | 0         | 17.69                 | 17.81                  | 17.68                    | 19                  | 3.8      |  |
| 5                  | 256QAM     | 12      | 7         | 17.52                 | 17.55                  | 17.52                    |                     |          |  |
| 5                  | 256QAM     | 12      | 13        | 17.53                 | 17.68                  | 17.62                    |                     |          |  |
| 5                  | 256QAM     | 25      | 0         | 17.46                 | 17.60                  | 17.54                    |                     |          |  |

| Band 42 FCC Part27Q Ant3 DSI 3 |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                       | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (db) |  |
| Channel                        |            |         |           | 42190                 | 42590                    | 42990                  | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)                |            |         |           | 3460                  | 3500                     | 3540                   |                     |          |  |
| 20                             | QPSK       | 1       | 0         | 19.46                 | 19.63                    | 19.39                  | 20.4                | 0        |  |
| 20                             | QPSK       | 1       | 49        | 19.32                 | 19.35                    | 19.25                  |                     |          |  |
| 20                             | QPSK       | 1       | 99        | 19.28                 | 19.39                    | 19.42                  |                     |          |  |
| 20                             | QPSK       | 50      | 0         | 19.26                 | 19.36                    | 19.30                  | 20.4                | 0        |  |
| 20                             | QPSK       | 50      | 24        | 19.18                 | 19.15                    | 19.21                  |                     |          |  |
| 20                             | QPSK       | 50      | 50        | 19.23                 | 19.30                    | 19.22                  |                     |          |  |
| 20                             | QPSK       | 100     | 0         | 19.20                 | 19.22                    | 19.18                  | 20.4                | 0        |  |
| 20                             | 16QAM      | 1       | 0         | 19.02                 | 19.18                    | 19.09                  |                     |          |  |
| 20                             | 16QAM      | 1       | 49        | 19.11                 | 19.18                    | 19.09                  |                     |          |  |
| 20                             | 16QAM      | 1       | 99        | 19.24                 | 19.19                    | 19.05                  | 20.4                | 0        |  |
| 20                             | 16QAM      | 50      | 0         | 19.46                 | 19.46                    | 19.32                  |                     |          |  |
| 20                             | 16QAM      | 50      | 24        | 19.22                 | 19.29                    | 19.29                  |                     |          |  |
| 20                             | 16QAM      | 50      | 50        | 19.29                 | 19.47                    | 19.32                  | 20.4                | 0        |  |
| 20                             | 16QAM      | 100     | 0         | 19.40                 | 19.50                    | 19.39                  |                     |          |  |
| 20                             | 64QAM      | 1       | 0         | 19.14                 | 19.18                    | 19.22                  |                     |          |  |
| 20                             | 64QAM      | 1       | 49        | 19.18                 | 19.28                    | 19.19                  | 20.4                | 0        |  |
| 20                             | 64QAM      | 1       | 99        | 18.94                 | 19.11                    | 18.98                  |                     |          |  |
| 20                             | 64QAM      | 50      | 0         | 19.13                 | 19.18                    | 19.17                  |                     |          |  |
| 20                             | 64QAM      | 50      | 24        | 19.18                 | 19.26                    | 19.15                  | 20.4                | 0        |  |
| 20                             | 64QAM      | 50      | 50        | 18.96                 | 19.11                    | 19.07                  |                     |          |  |
| 20                             | 64QAM      | 100     | 0         | 18.95                 | 19.09                    | 18.95                  |                     |          |  |
| 20                             | 256QAM     | 1       | 0         | 17.90                 | 18.01                    | 17.95                  | 19                  | 1.4      |  |
| 20                             | 256QAM     | 1       | 49        | 17.74                 | 17.87                    | 17.78                  |                     |          |  |
| 20                             | 256QAM     | 1       | 99        | 17.90                 | 17.94                    | 17.76                  |                     |          |  |
| 20                             | 256QAM     | 50      | 0         | 18.08                 | 18.18                    | 18.13                  | 19                  | 1.4      |  |
| 20                             | 256QAM     | 50      | 24        | 18.05                 | 18.14                    | 18.03                  |                     |          |  |
| 20                             | 256QAM     | 50      | 50        | 17.83                 | 18.07                    | 17.92                  |                     |          |  |
| 20                             | 256QAM     | 100     | 0         | 17.08                 | 18.02                    | 17.82                  | Tune-up limit (dbm) | MPR (db) |  |
| Channel                        |            |         |           | 42165                 | 42590                    | 43015                  |                     |          |  |
| Frequency (MHz)                |            |         |           | 3457.5                | 3500                     | 3542.5                 | Tune-up limit (dbm) | MPR (db) |  |
| 15                             | QPSK       | 1       | 0         | 19.42                 | 19.54                    | 19.29                  |                     |          |  |
| 15                             | QPSK       | 1       | 37        | 19.12                 | 19.28                    | 19.20                  | 20.4                | 0        |  |
| 15                             | QPSK       | 1       | 74        | 19.21                 | 19.30                    | 19.29                  |                     |          |  |
| 15                             | QPSK       | 36      | 0         | 19.20                 | 19.23                    | 19.20                  |                     |          |  |
| 15                             | QPSK       | 36      | 20        | 19.02                 | 19.02                    | 19.04                  | 20.4                | 0        |  |
| 15                             | QPSK       | 36      | 39        | 19.13                 | 19.25                    | 19.13                  |                     |          |  |
| 15                             | QPSK       | 75      | 0         | 19.02                 | 19.20                    | 19.04                  |                     |          |  |
| 15                             | 16QAM      | 1       | 0         | 18.85                 | 19.05                    | 18.99                  | 20.4                | 0        |  |
| 15                             | 16QAM      | 1       | 37        | 19.10                 | 19.03                    | 19.05                  |                     |          |  |
| 15                             | 16QAM      | 1       | 74        | 19.07                 | 19.02                    | 18.95                  |                     |          |  |
| 15                             | 16QAM      | 36      | 0         | 19.34                 | 19.44                    | 19.26                  | 20.4                | 0        |  |
| 15                             | 16QAM      | 36      | 20        | 19.09                 | 19.22                    | 19.22                  |                     |          |  |
| 15                             | 16QAM      | 36      | 39        | 19.22                 | 19.31                    | 19.20                  |                     |          |  |
| 15                             | 16QAM      | 75      | 0         | 19.29                 | 19.44                    | 19.28                  | 20.4                | 0        |  |
| 15                             | 64QAM      | 1       | 0         | 19.01                 | 19.16                    | 19.11                  |                     |          |  |
| 15                             | 64QAM      | 1       | 37        | 19.14                 | 19.18                    | 19.04                  |                     |          |  |
| 15                             | 64QAM      | 1       | 74        | 18.88                 | 18.97                    | 18.93                  | 20.4                | 0        |  |
| 15                             | 64QAM      | 36      | 0         | 18.99                 | 19.11                    | 19.12                  |                     |          |  |
| 15                             | 64QAM      | 36      | 20        | 19.12                 | 19.15                    | 19.09                  |                     |          |  |
| 15                             | 64QAM      | 36      | 39        | 18.85                 | 19.01                    | 18.91                  | 20.4                | 0        |  |
| 15                             | 64QAM      | 75      | 0         | 18.80                 | 18.94                    | 18.96                  |                     |          |  |
| 15                             | 256QAM     | 1       | 0         | 17.77                 | 17.88                    | 17.86                  |                     |          |  |
| 15                             | 256QAM     | 1       | 37        | 17.66                 | 17.80                    | 17.70                  | 19                  | 1.4      |  |
| 15                             | 256QAM     | 1       | 74        | 17.79                 | 17.87                    | 17.64                  |                     |          |  |
| 15                             | 256QAM     | 36      | 0         | 18.00                 | 18.02                    | 18.08                  |                     |          |  |
| 15                             | 256QAM     | 36      | 20        | 17.90                 | 18.09                    | 17.95                  | 19                  | 1.4      |  |
| 15                             | 256QAM     | 36      | 39        | 17.76                 | 18.01                    | 17.85                  |                     |          |  |
| 15                             | 256QAM     | 75      | 0         | 17.84                 | 17.89                    | 17.85                  |                     |          |  |
| Channel                        |            |         |           | 42140                 | 42590                    | 43040                  | Tune-up limit (dbm) | MPR (db) |  |
| Frequency (MHz)                |            |         |           | 3455                  | 3500                     | 3545                   |                     |          |  |
| 10                             | QPSK       | 1       | 0         | 19.42                 | 19.55                    | 19.36                  | 20.4                | 0        |  |
| 10                             | QPSK       | 1       | 25        | 19.21                 | 19.25                    | 19.20                  |                     |          |  |
| 10                             | QPSK       | 1       | 49        | 19.12                 | 19.25                    | 19.34                  |                     |          |  |
| 10                             | QPSK       | 25      | 0         | 19.15                 | 19.23                    | 19.23                  | 20.4                | 0        |  |
| 10                             | QPSK       | 25      | 12        | 19.06                 | 19.10                    | 19.06                  |                     |          |  |
| 10                             | QPSK       | 25      | 25        | 19.13                 | 19.18                    | 19.15                  |                     |          |  |
| 10                             | QPSK       | 50      | 0         | 19.07                 | 19.21                    | 19.13                  | 20.4                | 0        |  |
| 10                             | 16QAM      | 1       | 0         | 18.89                 | 19.03                    | 18.94                  |                     |          |  |
| 10                             | 16QAM      | 1       | 25        | 19.09                 | 19.07                    | 18.99                  |                     |          |  |
| 10                             | 16QAM      | 1       | 49        | 19.19                 | 19.09                    | 19.02                  | 20.4                | 0        |  |
| 10                             | 16QAM      | 25      | 0         | 19.25                 | 19.47                    | 19.17                  |                     |          |  |
| 10                             | 16QAM      | 25      | 12        | 19.12                 | 19.21                    | 19.16                  |                     |          |  |
| 10                             | 16QAM      | 25      | 25        | 19.22                 | 19.40                    | 19.21                  | 20.4                | 0        |  |
| 10                             | 16QAM      | 50      | 0         | 19.25                 | 19.41                    | 19.33                  |                     |          |  |
| 10                             | 64QAM      | 1       | 0         | 19.04                 | 19.08                    | 19.04                  |                     |          |  |
| 10                             | 64QAM      | 1       | 25        | 19.10                 | 19.12                    | 19.15                  | 20.4                | 0        |  |
| 10                             | 64QAM      | 1       | 49        | 18.78                 | 18.96                    | 18.96                  |                     |          |  |
| 10                             | 64QAM      | 25      | 0         | 19.00                 | 19.12                    | 19.07                  |                     |          |  |
| 10                             | 64QAM      | 25      | 12        | 19.15                 | 19.16                    | 19.05                  | 20.4                | 0        |  |
| 10                             | 64QAM      | 25      | 25        | 18.84                 | 19.01                    | 18.91                  |                     |          |  |
| 10                             | 64QAM      | 50      | 0         | 18.86                 | 19.00                    | 18.91                  |                     |          |  |
| 10                             | 256QAM     | 1       | 0         | 17.76                 | 17.92                    | 17.91                  | 19                  | 1.4      |  |
| 10                             | 256QAM     | 1       | 25        | 17.60                 | 17.71                    | 17.71                  |                     |          |  |
| 10                             | 256QAM     | 1       | 49        | 17.75                 | 17.79                    | 17.63                  |                     |          |  |
| 10                             | 256QAM     | 25      | 0         | 17.96                 | 18.05                    | 18.02                  | 19                  | 1.4      |  |
| 10                             | 256QAM     | 25      | 12        | 17.95                 | 18.00                    | 17.88                  |                     |          |  |
| 10                             | 256QAM     | 25      | 25        | 17.77                 | 17.96                    | 17.79                  |                     |          |  |
| 10                             | 256QAM     | 50      | 0         | 17.91                 | 17.87                    | 17.86                  | Tune-up limit (dbm) | MPR (db) |  |
| Channel                        |            |         |           | 42115                 | 42590                    | 43065                  |                     |          |  |
| Frequency (MHz)                |            |         |           | 3452.5                | 3500                     | 3547.5                 | Tune-up limit (dbm) | MPR (db) |  |
| 5                              | QPSK       | 1       | 0         | 19.43                 | 19.54                    | 19.38                  |                     |          |  |
| 5                              | QPSK       | 1       | 12        | 19.16                 | 19.20                    | 19.15                  | 20.4                | 0        |  |
| 5                              | QPSK       | 1       | 24        | 19.16                 | 19.25                    | 19.31                  |                     |          |  |
| 5                              | QPSK       | 12      | 0         | 19.16                 | 19.25                    | 19.14                  |                     |          |  |
| 5                              | QPSK       | 12      | 7         | 19.08                 | 19.09                    | 19.08                  | 20.4                | 0        |  |
| 5                              | QPSK       | 12      | 13        | 19.08                 | 19.20                    | 19.09                  |                     |          |  |
| 5                              | QPSK       | 25      | 0         | 19.05                 | 19.19                    | 19.05                  |                     |          |  |
| 5                              | 16QAM      | 1       | 0         | 18.93                 | 19.07                    | 18.95                  | 20.4                | 0        |  |
| 5                              | 16QAM      | 1       | 12        | 19.09                 | 19.06                    | 19.06                  |                     |          |  |
| 5                              | 16QAM      | 1       | 24        | 19.11                 | 19.06                    | 19.03                  |                     |          |  |
| 5                              | 16QAM      | 12      | 0         | 19.28                 | 19.37                    | 19.28                  | 20.4                | 0        |  |
| 5                              | 16QAM      | 12      | 7         | 19.14                 | 19.14                    | 19.22                  |                     |          |  |
| 5                              | 16QAM      | 12      | 13        | 19.17                 | 19.30                    | 19.22                  |                     |          |  |
| 5                              | 16QAM      | 25      | 0         | 19.28                 | 19.39                    | 19.32                  | 20.4                | 0        |  |
| 5                              | 64QAM      | 1       | 0         | 18.93                 | 19.09                    | 19.13                  |                     |          |  |
| 5                              | 64QAM      | 1       | 12        | 19.13                 | 19.13                    | 19.03                  |                     |          |  |
| 5                              | 64QAM      | 1       | 24        | 18.84                 | 18.93                    | 18.86                  | 20.4                | 0        |  |
| 5                              | 64QAM      | 12      | 0         | 18.98                 | 19.07                    | 19.12                  |                     |          |  |
| 5                              | 64QAM      | 12      | 7         | 19.09                 | 19.14                    | 19.11                  |                     |          |  |
| 5                              | 64QAM      | 12      | 13        | 18.78                 | 19.01                    | 18.91                  | 20.4                | 0        |  |
| 5                              | 64QAM      | 25      | 0         | 18.84                 | 18.93                    | 18.86                  |                     |          |  |
| 5                              | 256QAM     | 1       | 0         | 17.79                 | 17.89                    | 17.82                  |                     |          |  |
| 5                              | 256QAM     | 1       | 12        | 17.58                 | 17.78                    | 17.73                  | 19                  | 1.4      |  |
| 5                              | 256QAM     | 1       | 24        | 17.78                 | 17.85                    | 17.64                  |                     |          |  |
| 5                              | 256QAM     | 12      | 0         | 17.94                 | 18.03                    | 17.99                  |                     |          |  |
| 5                              | 256QAM     | 12      | 7         | 17.91                 | 17.98                    | 17.92                  | 19                  | 1.4      |  |
| 5                              | 256QAM     | 12      | 13        | 17.74                 | 18.01                    | 17.86                  |                     |          |  |
| 5                              | 256QAM     | 25      | 0         | 17.88                 | 17.92                    | 17.81                  |                     |          |  |



| Band 25 Ant4 DSI 3 |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
|--------------------|------------|---------|-----------|-----------------------------|-----------------------------------|-----------------------------------|----------------------|-------------|--|--|--|--|--|--|
| BW (MHz)           | Modulation | RB Size | RB Offset | Power<br>Ch / Freq<br>26140 | Power<br>Mid / Ch / Freq<br>26140 | Power<br>Hgt / Ch / Freq<br>26090 | Tune-up<br>Int. (dB) | MFR<br>(dB) |  |  |  |  |  |  |
| Channel            |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| 20                 | QPSK       | 1       | 0         | 16.62                       | 16.50                             | 16.71                             | 18.2                 | 0           |  |  |  |  |  |  |
| 20                 | QPSK       | 1       | 40        | 16.60                       | 16.68                             | 16.52                             |                      |             |  |  |  |  |  |  |
| 20                 | QPSK       | 50      | 0         | 16.65                       | 16.66                             | 16.53                             |                      |             |  |  |  |  |  |  |
| 20                 | QPSK       | 50      | 24        | 16.44                       | 16.55                             | 16.46                             |                      |             |  |  |  |  |  |  |
| 20                 | QPSK       | 50      | 50        | 16.49                       | 16.55                             | 16.47                             | 18.2                 | 0           |  |  |  |  |  |  |
| 20                 | QPSK       | 100     | 0         | 16.56                       | 16.60                             | 16.48                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 0         | 16.51                       | 16.38                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 40        | 16.35                       | 16.43                             | 16.38                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 90        | 16.50                       | 16.49                             | 16.37                             | 18.2                 | 0           |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 0         | 16.48                       | 16.50                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 24        | 16.47                       | 16.47                             | 16.40                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 50        | 16.50                       | 16.49                             | 16.42                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 100     | 0         | 16.65                       | 16.45                             | 16.39                             | 18.2                 | 0           |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 0         | 16.56                       | 16.47                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 40        | 16.43                       | 16.53                             | 16.27                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 24        | 16.51                       | 16.48                             | 16.44                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 50        | 16.35                       | 16.35                             | 16.38                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 20                 | HQAM       | 100     | 0         | 16.39                       | 16.56                             | 16.46                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 0         | 16.57                       | 16.47                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 40        | 15.60                       | 15.64                             | 15.59                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 90        | 15.61                       | 15.75                             | 15.71                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 24        | 15.63                       | 15.69                             | 15.65                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 50        | 15.60                       | 15.70                             | 15.64                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 100     | 0         | 15.65                       | 15.69                             | 15.64                             |                      |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 0         | 15.67                       | 15.79                             | 15.63                             |                      |             |  |  |  |  |  |  |
| Channel            |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| 15                 | QPSK       | 1       | 0         | 16.69                       | 16.79                             | 16.84                             | 18.2                 | 0           |  |  |  |  |  |  |
| 15                 | QPSK       | 1       | 37        | 16.69                       | 16.82                             | 16.81                             |                      |             |  |  |  |  |  |  |
| 15                 | QPSK       | 1       | 74        | 16.69                       | 16.88                             | 16.84                             |                      |             |  |  |  |  |  |  |
| 15                 | QPSK       | 50      | 0         | 16.37                       | 16.40                             | 16.48                             |                      |             |  |  |  |  |  |  |
| 15                 | QPSK       | 24      | 0         | 16.31                       | 16.43                             | 16.31                             | 18.2                 | 0           |  |  |  |  |  |  |
| 15                 | QPSK       | 50      | 50        | 16.33                       | 16.40                             | 16.40                             |                      |             |  |  |  |  |  |  |
| 15                 | QPSK       | 75      | 0         | 16.43                       | 16.47                             | 16.43                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 0         | 16.33                       | 16.32                             | 16.33                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 37        | 16.20                       | 16.38                             | 16.31                             | 18.2                 | 0           |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 74        | 16.38                       | 16.40                             | 16.24                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 0         | 16.32                       | 16.41                             | 16.24                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 20        | 16.37                       | 16.33                             | 16.30                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 50      | 24        | 16.34                       | 16.34                             | 16.33                             | 18.2                 | 0           |  |  |  |  |  |  |
| 15                 | HQAM       | 75      | 0         | 16.34                       | 16.34                             | 16.33                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 0         | 16.50                       | 16.41                             | 16.28                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 37      | 0         | 16.37                       | 16.37                             | 16.37                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 74        | 16.34                       | 16.35                             | 16.35                             | 18.2                 | 0           |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 0         | 16.31                       | 16.35                             | 16.29                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 20      | 0         | 16.35                       | 16.35                             | 16.35                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 36        | 16.31                       | 16.46                             | 16.31                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 75      | 0         | 16.28                       | 16.48                             | 16.37                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 0         | 15.67                       | 15.70                             | 15.67                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 37        | 15.57                       | 15.53                             | 15.51                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 74        | 15.57                       | 15.70                             | 15.67                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 50      | 24        | 15.67                       | 15.67                             | 15.67                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 15                 | HQAM       | 50      | 50        | 15.50                       | 15.62                             | 15.54                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 100     | 0         | 15.51                       | 15.65                             | 15.51                             |                      |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 0         | 15.51                       | 15.65                             | 15.51                             |                      |             |  |  |  |  |  |  |
| Channel            |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| 10                 | QPSK       | 1       | 0         | 16.36                       | 16.42                             | 16.47                             | 18.2                 | 0           |  |  |  |  |  |  |
| 10                 | QPSK       | 1       | 25        | 16.54                       | 16.62                             | 16.46                             |                      |             |  |  |  |  |  |  |
| 10                 | QPSK       | 1       | 40        | 16.60                       | 16.61                             | 16.67                             |                      |             |  |  |  |  |  |  |
| 10                 | QPSK       | 24      | 0         | 16.61                       | 16.68                             | 16.68                             |                      |             |  |  |  |  |  |  |
| 10                 | QPSK       | 25      | 12        | 16.33                       | 16.45                             | 16.40                             | 18.2                 | 0           |  |  |  |  |  |  |
| 10                 | QPSK       | 25      | 25        | 16.37                       | 16.42                             | 16.44                             |                      |             |  |  |  |  |  |  |
| 10                 | QPSK       | 36      | 0         | 16.46                       | 16.46                             | 16.46                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 0         | 16.24                       | 16.31                             | 16.31                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 25        | 16.21                       | 16.34                             | 16.30                             | 18.2                 | 0           |  |  |  |  |  |  |
| 10                 | HQAM       | 40      | 0         | 16.44                       | 16.38                             | 16.31                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 0         | 16.35                       | 16.43                             | 16.38                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 12        | 16.35                       | 16.43                             | 16.38                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 0         | 16.31                       | 16.41                             | 16.28                             | 18.2                 | 0           |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 50        | 16.31                       | 16.41                             | 16.28                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 0         | 16.42                       | 16.34                             | 16.28                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 25        | 16.38                       | 16.50                             | 16.38                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 40        | 16.31                       | 16.32                             | 16.39                             | 18.2                 | 0           |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 0         | 16.30                       | 16.32                             | 16.33                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 12      | 0         | 16.32                       | 16.39                             | 16.33                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 25        | 16.23                       | 16.43                             | 16.31                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 0         | 16.29                       | 16.43                             | 16.40                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 0         | 15.60                       | 15.64                             | 15.64                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 25        | 15.60                       | 15.64                             | 15.54                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 40        | 15.56                       | 15.66                             | 15.59                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 0         | 15.72                       | 15.76                             | 15.76                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 12        | 15.62                       | 15.54                             | 15.53                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 25        | 15.63                       | 15.60                             | 15.50                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 0         | 15.60                       | 15.72                             | 15.65                             |                      |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 0         | 15.60                       | 15.72                             | 15.65                             |                      |             |  |  |  |  |  |  |
| Channel            |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| 5                  | QPSK       | 1       | 0         | 16.32                       | 16.38                             | 16.47                             | 18.2                 | 0           |  |  |  |  |  |  |
| 5                  | QPSK       | 1       | 12        | 16.56                       | 16.58                             | 16.47                             |                      |             |  |  |  |  |  |  |
| 5                  | QPSK       | 1       | 24        | 16.60                       | 16.69                             | 16.66                             |                      |             |  |  |  |  |  |  |
| 5                  | QPSK       | 1       | 36        | 16.62                       | 16.69                             | 16.69                             |                      |             |  |  |  |  |  |  |
| 5                  | QPSK       | 12      | 7         | 16.34                       | 16.41                             | 16.40                             | 18.2                 | 0           |  |  |  |  |  |  |
| 5                  | QPSK       | 16      | 0         | 16.46                       | 16.44                             | 16.43                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 0         | 16.26                       | 16.33                             | 16.24                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 12        | 16.28                       | 16.27                             | 16.31                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 24        | 16.35                       | 16.35                             | 16.35                             | 18.2                 | 0           |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 5         | 16.38                       | 16.42                             | 16.31                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 7         | 16.43                       | 16.32                             | 16.32                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 13        | 16.39                       | 16.39                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 0         | 16.38                       | 16.31                             | 16.20                             | 18.2                 | 0           |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 0         | 16.43                       | 16.43                             | 16.31                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 12        | 16.29                       | 16.46                             | 16.29                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 24        | 16.34                       | 16.31                             | 16.30                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 0         | 16.28                       | 16.38                             | 16.38                             | 18.2                 | 0           |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 13        | 16.38                       | 16.41                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 13        | 16.20                       | 16.47                             | 16.20                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 0         | 16.30                       | 16.47                             | 16.38                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 0         | 15.60                       | 15.60                             | 15.60                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 0         | 15.60                       | 15.66                             | 15.57                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 24        | 15.56                       | 15.61                             | 15.57                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 0         | 15.71                       | 15.83                             | 15.68                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 7         | 15.64                       | 15.64                             | 15.64                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 13        | 15.64                       | 15.64                             | 15.64                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 0         | 15.67                       | 15.66                             | 15.57                             |                      |             |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 12        | 15.67                       | 15.66                             | 15.57                             |                      |             |  |  |  |  |  |  |
| Channel            |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| 3                  | QPSK       | 1       | 0         | 16.70                       | 16.80                             | 16.83                             | 18.2                 | 0           |  |  |  |  |  |  |
| 3                  | QPSK       | 1       | 8         | 16.40                       | 16.54                             | 16.40                             |                      |             |  |  |  |  |  |  |
| 3                  | QPSK       | 1       | 16        | 16.50                       | 16.64                             | 16.47                             |                      |             |  |  |  |  |  |  |
| 3                  | QPSK       | 8       | 0         | 16.59                       | 16.52                             | 16.47                             |                      |             |  |  |  |  |  |  |
| 3                  | QPSK       | 8       | 8         | 16.31                       | 16.47                             | 16.41                             | 18.2                 | 0           |  |  |  |  |  |  |
| 3                  | QPSK       | 16      | 0         | 16.47                       | 16.47                             | 16.47                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 0         | 16.44                       | 16.53                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 8         | 16.25                       | 16.36                             | 16.33                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 16        | 16.29                       | 16.39                             | 16.37                             | 18.2                 | 0           |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 0         | 16.44                       | 16.43                             | 16.29                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 8         | 16.39                       | 16.44                             | 16.29                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 16      | 0         | 16.44                       | 16.36                             | 16.33                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 0         | 16.50                       | 16.39                             | 16.33                             | 18.2                 | 0           |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 8         | 16.33                       | 16.49                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 16        | 16.39                       | 16.38                             | 16.37                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 0         | 16.28                       | 16.40                             | 16.30                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 8         | 16.42                       | 16.35                             | 16.39                             | 18.2                 | 0           |  |  |  |  |  |  |
| 3                  | HQAM       | 16      | 0         | 16.41                       | 16.37                             | 16.37                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 16      | 8         | 16.35                       | 16.40                             | 16.34                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 0         | 15.50                       | 15.70                             | 15.58                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 8         | 15.50                       | 15.72                             | 15.63                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 16        | 15.51                       | 15.70                             | 15.60                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 0         | 15.71                       | 15.76                             | 15.61                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 8         | 15.60                       | 15.69                             | 15.60                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 16        | 15.61                       | 15.56                             | 15.58                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 3                  | HQAM       | 16      | 0         | 15.59                       | 15.76                             | 15.63                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 0         | 15.59                       | 15.76                             | 15.63                             |                      |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 8         | 15.59                       | 15.76                             | 15.63                             |                      |             |  |  |  |  |  |  |
| Channel            |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 0         | 16.76                       | 16.77                             | 16.84                             | 18.2                 | 0           |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 8         | 16.50                       | 16.68                             | 16.63                             |                      |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 16        | 16.63                       | 16.81                             | 16.76                             |                      |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 8       | 0         | 16.62                       | 16.57                             | 16.48                             |                      |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 8       | 8         | 16.41                       | 16.41                             | 16.41                             | 18.2                 | 0           |  |  |  |  |  |  |
| 1.4                | QPSK       | 16      | 0         | 16.44                       | 16.47                             | 16.50                             |                      |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 0         | 16.48                       | 16.47                             | 16.42                             |                      |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 8         | 16.50                       | 16.58                             | 16.47                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 16.42                       | 16.41                             | 16.26                             | 18.2                 | 0           |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 8         | 16.38                       | 16.41                             | 16.30                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 16        | 16.32                       | 16.41                             | 16.27                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 8       | 0         | 16.34                       | 16.43                             | 16.30                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 16.38                       | 16.41                             | 16.30                             | 18.2                 | 0           |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 8         | 16.33                       | 16.49                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 16        | 16.33                       | 16.49                             | 16.39                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 8       | 0         | 16.30                       | 16.34                             | 16.29                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 16.37                       | 16.37                             | 16.37                             | 18.2                 | 0           |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 8         | 16.20                       | 16.50                             | 16.32                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 8       | 0         | 16.32                       | 16.41                             | 16.40                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 8       | 8         | 16.33                       | 16.33                             | 16.33                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 16      | 0         | 16.32                       | 16.41                             | 16.40                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 15.72                       | 15.79                             | 15.68                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 8         | 15.63                       | 15.81                             | 15.68                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 16        | 15.65                       | 15.83                             | 15.68                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 8       | 0         | 15.55                       | 15.69                             | 15.58                             | 17.5                 | 0.7         |  |  |  |  |  |  |
| 1.4                | HQAM       | 8       | 8         | 15.55                       | 15.69                             | 15.58                             |                      |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 16      | 0         | 15.55                       | 15.69                             | 15.58                             |                      |             |  |  |  |  |  |  |
|                    |            |         |           |                             |                                   |                                   |                      |             |  |  |  |  |  |  |

## Reduced Power Mode for DSI6

| GSM850 And DSI 6 |                           |       |       |                           |                           |       |       |
|------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|
| GSM850           | Burst Average Power (dbm) |       |       | Tune-up<br>Limit<br>(dbm) | Frame Average Power (dbm) |       |       |
| TX Channel       | 128                       | 189   | 251   |                           | 128                       | 189   | 251   |
| Frequency (MHz)  | 813.2                     | 813.4 | 813.8 |                           | 813.2                     | 813.4 | 813.8 |
| GSM 1 Tx slot    | 31.76                     | 31.89 | 31.93 | 33.50                     | 22.76                     | 22.89 | 22.93 |
| GPRS 1 Tx slot   | 31.74                     | 31.86 | 31.81 | 33.50                     | 22.74                     | 22.86 | 22.81 |
| GPRS 2 Tx slots  | 29.67                     | 29.83 | 29.78 | 31.00                     | 23.67                     | 23.83 | 23.78 |
| GPRS 3 Tx slots  | 27.83                     | 27.89 | 27.82 | 29.00                     | 23.57                     | 23.63 | 23.56 |
| GPRS 4 Tx slots  | 26.69                     | 26.73 | 26.74 | 27.50                     | 23.69                     | 23.73 | 23.74 |
| EDGE 1 Tx slot   | 26.20                     | 26.17 | 26.15 | 27.00                     | 17.20                     | 17.17 | 17.15 |
| EDGE 2 Tx slots  | 25.43                     | 25.47 | 25.45 | 26.50                     | 19.43                     | 19.47 | 19.45 |
| EDGE 3 Tx slots  | 22.73                     | 22.75 | 22.74 | 24.00                     | 19.47                     | 19.50 | 19.48 |
| EDGE 4 Tx slots  | 20.07                     | 20.18 | 20.09 | 21.00                     | 17.07                     | 17.18 | 17.09 |

| WCDMA V And DSI 6             |         |       |       |                           |
|-------------------------------|---------|-------|-------|---------------------------|
| Band                          | WCDMA V |       |       | Tune-up<br>Limit<br>(dbm) |
| TX Channel                    | 4132    | 4192  | 4233  |                           |
| Rx Channel                    | 4357    | 4407  | 4458  |                           |
| Frequency (MHz)               | 826.4   | 836.4 | 846.6 |                           |
| 3GPP Rel 99 RNC 12.2Kbps      | 22.58   | 22.61 | 22.59 | 24.00                     |
| 3GPP Rel 99 RNC 12.2Kbps      | 22.82   | 22.65 | 22.57 | 24.00                     |
| 3GPP Rel 6 HSDPA Subtest-1    | 21.62   | 21.64 | 21.58 | 23.00                     |
| 3GPP Rel 6 HSDPA Subtest-2    | 21.57   | 21.59 | 21.57 | 23.00                     |
| 3GPP Rel 6 HSDPA Subtest-3    | 21.18   | 21.18 | 21.01 | 22.50                     |
| 3GPP Rel 6 HSDPA Subtest-4    | 21.00   | 21.12 | 21.08 | 22.50                     |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 21.63   | 21.71 | 21.51 | 23.00                     |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 21.59   | 21.63 | 21.54 | 23.00                     |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 21.13   | 21.27 | 20.97 | 22.50                     |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 21.11   | 21.19 | 20.98 | 22.50                     |
| 3GPP Rel 6 HSUPA Subtest-1    | 21.56   | 21.67 | 21.56 | 23.00                     |
| 3GPP Rel 6 HSUPA Subtest-2    | 19.59   | 19.70 | 19.63 | 21.00                     |
| 3GPP Rel 6 HSUPA Subtest-3    | 20.53   | 20.60 | 20.54 | 22.00                     |
| 3GPP Rel 6 HSUPA Subtest-4    | 19.65   | 19.73 | 19.46 | 21.00                     |
| 3GPP Rel 6 HSUPA Subtest-5    | 21.59   | 21.59 | 21.62 | 23.00                     |

| Band 5 Ant0 DSI 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           |            |         |           | 20450                 | 20525                    | 20600                  |                     |          |  |  |
| Frequency (MHz)   |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |  |
| 10                | QPSK       | 1       | 0         | 22.36                 | 22.47                    | 22.41                  | 24                  | 0        |  |  |
| 10                | QPSK       | 1       | 25        | 22.22                 | 22.35                    | 22.32                  |                     |          |  |  |
| 10                | QPSK       | 1       | 49        | 22.28                 | 22.37                    | 22.34                  |                     |          |  |  |
| 10                | QPSK       | 25      | 0         | 21.44                 | 21.51                    | 21.48                  |                     |          |  |  |
| 10                | QPSK       | 25      | 12        | 21.36                 | 21.44                    | 21.38                  |                     |          |  |  |
| 10                | QPSK       | 25      | 25        | 21.26                 | 21.38                    | 21.33                  | 23                  | 1        |  |  |
| 10                | QPSK       | 50      | 0         | 21.43                 | 21.49                    | 21.41                  |                     |          |  |  |
| 10                | 16QAM      | 1       | 0         | 21.70                 | 21.85                    | 21.81                  |                     |          |  |  |
| 10                | 16QAM      | 1       | 25        | 21.61                 | 21.75                    | 21.74                  |                     |          |  |  |
| 10                | 16QAM      | 1       | 49        | 21.62                 | 21.76                    | 21.65                  |                     |          |  |  |
| 10                | 16QAM      | 25      | 0         | 20.53                 | 20.58                    | 20.51                  | 22                  | 2        |  |  |
| 10                | 16QAM      | 25      | 12        | 20.37                 | 20.46                    | 20.44                  |                     |          |  |  |
| 10                | 16QAM      | 25      | 25        | 20.22                 | 20.37                    | 20.37                  |                     |          |  |  |
| 10                | 16QAM      | 50      | 0         | 20.47                 | 20.52                    | 20.51                  |                     |          |  |  |
| 10                | 64QAM      | 1       | 0         | 20.58                 | 20.67                    | 20.67                  |                     |          |  |  |
| 10                | 64QAM      | 1       | 25        | 20.34                 | 20.51                    | 20.52                  | 22                  | 2        |  |  |
| 10                | 64QAM      | 1       | 49        | 20.65                 | 20.75                    | 20.74                  |                     |          |  |  |
| 10                | 64QAM      | 25      | 0         | 19.41                 | 19.57                    | 19.55                  |                     |          |  |  |
| 10                | 64QAM      | 25      | 12        | 19.39                 | 19.46                    | 19.39                  |                     |          |  |  |
| 10                | 64QAM      | 25      | 25        | 19.37                 | 19.52                    | 19.49                  |                     |          |  |  |
| 10                | 256QAM     | 1       | 0         | 17.40                 | 17.43                    | 17.43                  | 19                  | 5        |  |  |
| 10                | 256QAM     | 1       | 25        | 17.26                 | 17.43                    | 17.39                  |                     |          |  |  |
| 10                | 256QAM     | 1       | 49        | 17.39                 | 17.54                    | 17.48                  |                     |          |  |  |
| 10                | 256QAM     | 25      | 0         | 17.51                 | 17.59                    | 17.52                  |                     |          |  |  |
| 10                | 256QAM     | 25      | 12        | 17.28                 | 17.38                    | 17.29                  |                     |          |  |  |
| 10                | 256QAM     | 25      | 25        | 17.30                 | 17.41                    | 17.39                  | 19                  | 5        |  |  |
| 10                | 256QAM     | 50      | 0         | 17.48                 | 17.54                    | 17.46                  |                     |          |  |  |
| Channel           |            |         |           | 20425                 | 20525                    | 20595                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |  |
| 5                 | QPSK       | 1       | 0         | 22.27                 | 22.31                    | 22.34                  | 24                  | 0        |  |  |
| 5                 | QPSK       | 1       | 12        | 22.11                 | 22.24                    | 22.21                  |                     |          |  |  |
| 5                 | QPSK       | 1       | 24        | 22.23                 | 22.21                    | 22.26                  |                     |          |  |  |
| 5                 | QPSK       | 12      | 0         | 21.33                 | 21.38                    | 21.38                  |                     |          |  |  |
| 5                 | QPSK       | 12      | 7         | 21.32                 | 21.38                    | 21.31                  |                     |          |  |  |
| 5                 | QPSK       | 12      | 13        | 21.14                 | 21.25                    | 21.23                  | 23                  | 1        |  |  |
| 5                 | QPSK       | 25      | 0         | 21.32                 | 21.44                    | 21.53                  |                     |          |  |  |
| 5                 | 16QAM      | 1       | 0         | 21.64                 | 21.81                    | 21.69                  |                     |          |  |  |
| 5                 | 16QAM      | 1       | 12        | 21.49                 | 21.62                    | 21.66                  |                     |          |  |  |
| 5                 | 16QAM      | 1       | 24        | 21.49                 | 21.71                    | 21.58                  |                     |          |  |  |
| 5                 | 16QAM      | 12      | 0         | 20.43                 | 20.44                    | 20.37                  | 22                  | 2        |  |  |
| 5                 | 16QAM      | 12      | 7         | 20.30                 | 20.36                    | 20.38                  |                     |          |  |  |
| 5                 | 16QAM      | 12      | 13        | 20.26                 | 20.35                    | 20.28                  |                     |          |  |  |
| 5                 | 16QAM      | 25      | 0         | 20.38                 | 20.40                    | 20.35                  |                     |          |  |  |
| 5                 | 64QAM      | 1       | 0         | 20.53                 | 20.58                    | 20.56                  |                     |          |  |  |
| 5                 | 64QAM      | 1       | 12        | 20.26                 | 20.40                    | 20.41                  | 22                  | 2        |  |  |
| 5                 | 64QAM      | 1       | 24        | 20.52                 | 20.64                    | 20.61                  |                     |          |  |  |
| 5                 | 64QAM      | 12      | 0         | 19.27                 | 19.48                    | 19.44                  |                     |          |  |  |
| 5                 | 64QAM      | 12      | 7         | 19.25                 | 19.39                    | 19.32                  |                     |          |  |  |
| 5                 | 64QAM      | 12      | 13        | 19.30                 | 19.48                    | 19.39                  |                     |          |  |  |
| 5                 | 64QAM      | 25      | 0         | 19.30                 | 19.38                    | 19.37                  | 21                  | 3        |  |  |
| 5                 | 256QAM     | 1       | 0         | 17.31                 | 17.43                    | 17.34                  |                     |          |  |  |
| 5                 | 256QAM     | 1       | 12        | 17.21                 | 17.32                    | 17.28                  |                     |          |  |  |
| 5                 | 256QAM     | 1       | 24        | 17.23                 | 17.43                    | 17.42                  |                     |          |  |  |
| 5                 | 256QAM     | 12      | 0         | 17.37                 | 17.48                    | 17.40                  |                     |          |  |  |
| 5                 | 256QAM     | 12      | 7         | 17.22                 | 17.23                    | 17.14                  | 19                  | 5        |  |  |
| 5                 | 256QAM     | 12      | 13        | 17.18                 | 17.34                    | 17.33                  |                     |          |  |  |
| 5                 | 256QAM     | 25      | 0         | 17.37                 | 17.46                    | 17.40                  |                     |          |  |  |
| Channel           |            |         |           | 20415                 | 20525                    | 20635                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 825.5                 | 836.5                    | 847.5                  |                     |          |  |  |
| 3                 | QPSK       | 1       | 0         | 22.21                 | 22.30                    | 22.28                  | 24                  | 0        |  |  |
| 3                 | QPSK       | 1       | 8         | 22.17                 | 22.30                    | 22.17                  |                     |          |  |  |
| 3                 | QPSK       | 1       | 14        | 22.21                 | 22.24                    | 22.20                  |                     |          |  |  |
| 3                 | QPSK       | 8       | 0         | 21.40                 | 21.44                    | 21.42                  |                     |          |  |  |
| 3                 | QPSK       | 8       | 4         | 21.51                 | 21.29                    | 21.23                  |                     |          |  |  |
| 3                 | QPSK       | 8       | 7         | 21.20                 | 21.28                    | 21.24                  | 23                  | 1        |  |  |
| 3                 | QPSK       | 15      | 0         | 21.33                 | 21.37                    | 21.29                  |                     |          |  |  |
| 3                 | 16QAM      | 1       | 0         | 21.58                 | 21.71                    | 21.76                  |                     |          |  |  |
| 3                 | 16QAM      | 1       | 8         | 21.47                 | 21.65                    | 21.68                  |                     |          |  |  |
| 3                 | 16QAM      | 1       | 14        | 21.49                 | 21.71                    | 21.56                  |                     |          |  |  |
| 3                 | 16QAM      | 8       | 0         | 20.45                 | 20.47                    | 20.41                  | 22                  | 2        |  |  |
| 3                 | 16QAM      | 8       | 4         | 20.30                 | 20.34                    | 20.32                  |                     |          |  |  |
| 3                 | 16QAM      | 8       | 7         | 20.17                 | 20.22                    | 20.32                  |                     |          |  |  |
| 3                 | 16QAM      | 15      | 0         | 20.34                 | 20.44                    | 20.47                  |                     |          |  |  |
| 3                 | 64QAM      | 1       | 0         | 20.51                 | 20.54                    | 20.60                  |                     |          |  |  |
| 3                 | 64QAM      | 1       | 8         | 20.29                 | 20.39                    | 20.38                  | 22                  | 2        |  |  |
| 3                 | 64QAM      | 1       | 14        | 20.50                 | 20.62                    | 20.66                  |                     |          |  |  |
| 3                 | 64QAM      | 8       | 0         | 19.35                 | 19.50                    | 19.39                  |                     |          |  |  |
| 3                 | 64QAM      | 8       | 4         | 19.34                 | 19.42                    | 19.27                  |                     |          |  |  |
| 3                 | 64QAM      | 8       | 7         | 19.27                 | 19.43                    | 19.40                  |                     |          |  |  |
| 3                 | 64QAM      | 15      | 0         | 19.26                 | 19.40                    | 19.41                  | 21                  | 3        |  |  |
| 3                 | 256QAM     | 1       | 0         | 17.29                 | 17.40                    | 17.39                  |                     |          |  |  |
| 3                 | 256QAM     | 1       | 8         | 17.13                 | 17.31                    | 17.27                  |                     |          |  |  |
| 3                 | 256QAM     | 1       | 14        | 17.24                 | 17.42                    | 17.33                  |                     |          |  |  |
| 3                 | 256QAM     | 8       | 0         | 17.39                 | 17.47                    | 17.47                  |                     |          |  |  |
| 3                 | 256QAM     | 8       | 4         | 17.21                 | 17.30                    | 17.16                  | 19                  | 5        |  |  |
| 3                 | 256QAM     | 8       | 7         | 17.16                 | 17.32                    | 17.32                  |                     |          |  |  |
| 3                 | 256QAM     | 15      | 0         | 17.30                 | 17.40                    | 17.36                  |                     |          |  |  |
| Channel           |            |         |           | 20407                 | 20525                    | 20643                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)   |            |         |           | 824.7                 | 836.5                    | 848.3                  |                     |          |  |  |
| 1.4               | QPSK       | 1       | 0         | 22.25                 | 22.35                    | 22.33                  | 24                  | 0        |  |  |
| 1.4               | QPSK       | 1       | 3         | 22.13                 | 22.29                    | 22.26                  |                     |          |  |  |
| 1.4               | QPSK       | 1       | 5         | 22.23                 | 22.26                    | 22.22                  |                     |          |  |  |
| 1.4               | QPSK       | 3       | 0         | 22.20                 | 22.38                    | 22.35                  |                     |          |  |  |
| 1.4               | QPSK       | 3       | 3         | 22.20                 | 22.30                    | 22.23                  |                     |          |  |  |
| 1.4               | QPSK       | 6       | 0         | 21.33                 | 21.35                    | 21.25                  | 23                  | 1        |  |  |
| 1.4               | 16QAM      | 1       | 0         | 21.62                 | 21.73                    | 21.70                  |                     |          |  |  |
| 1.4               | 16QAM      | 1       | 3         | 21.50                 | 21.64                    | 21.60                  |                     |          |  |  |
| 1.4               | 16QAM      | 1       | 5         | 21.50                 | 21.68                    | 21.54                  |                     |          |  |  |
| 1.4               | 16QAM      | 3       | 0         | 21.30                 | 21.32                    | 21.26                  |                     |          |  |  |
| 1.4               | 16QAM      | 3       | 1         | 21.57                 | 21.72                    | 21.65                  | 22                  | 2        |  |  |
| 1.4               | 16QAM      | 3       | 3         | 21.55                 | 21.66                    | 21.65                  |                     |          |  |  |
| 1.4               | 16QAM      | 6       | 0         | 21.56                 | 21.72                    | 21.57                  |                     |          |  |  |
| 1.4               | 64QAM      | 1       | 0         | 20.54                 | 20.56                    | 20.62                  |                     |          |  |  |
| 1.4               | 64QAM      | 1       | 3         | 20.22                 | 20.42                    | 20.41                  |                     |          |  |  |
| 1.4               | 64QAM      | 1       | 5         | 20.53                 | 20.68                    | 20.62                  | 22                  | 2        |  |  |
| 1.4               | 64QAM      | 3       | 0         | 20.58                 | 20.51                    | 20.65                  |                     |          |  |  |
| 1.4               | 64QAM      | 3       | 1         | 20.28                 | 20.47                    | 20.40                  |                     |          |  |  |
| 1.4               | 64QAM      | 3       | 3         | 20.57                 | 20.72                    | 20.62                  |                     |          |  |  |
| 1.4               | 64QAM      | 6       | 0         | 19.30                 | 19.40                    | 19.40                  |                     |          |  |  |
| 1.4               | 256QAM     | 1       | 0         | 17.32                 | 17.41                    | 17.34                  | 21                  | 3        |  |  |
| 1.4               | 256QAM     | 1       | 3         | 17.18                 | 17.37                    | 17.33                  |                     |          |  |  |
| 1.4               | 256QAM     | 1       | 5         | 17.30                 | 17.50                    | 17.33                  |                     |          |  |  |
| 1.4               | 256QAM     | 3       | 0         | 17.47                 | 17.47                    | 17.47                  |                     |          |  |  |
| 1.4               | 256QAM     | 3       | 1         | 17.21                 | 17.52                    | 17.23                  | 19                  | 5        |  |  |
| 1.4               | 256QAM     | 3       | 3         | 17.24                 | 17.33                    | 17.34                  |                     |          |  |  |
| 1.4               | 256QAM     | 6       | 0         | 17.34                 | 17.44                    | 17.31                  |                     |          |  |  |

| Band 17 Ant0 DSI 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)    |            |         |           | 709                 | 710                    | 711                  |                     |          |       |                     |          |
| 10                 | QPSK       | 1       | 0         | 22.39               | 22.42                  | 22.40                | 24                  | 0        |       |                     |          |
| 10                 | QPSK       | 1       | 25        | 22.20               | 22.26                  | 22.18                |                     |          |       |                     |          |
| 10                 | QPSK       | 1       | 49        | 22.16               | 22.31                  | 22.23                |                     |          |       |                     |          |
| 10                 | QPSK       | 25      | 0         | 21.36               | 21.41                  | 21.31                |                     |          |       |                     |          |
| 10                 | QPSK       | 25      | 12        | 21.17               | 21.28                  | 21.20                | 23                  | 1        |       |                     |          |
| 10                 | QPSK       | 25      | 25        | 21.27               | 21.36                  | 21.26                |                     |          |       |                     |          |
| 10                 | QPSK       | 50      | 0         | 21.18               | 21.30                  | 21.22                |                     |          |       |                     |          |
| 10                 | 16QAM      | 1       | 0         | 21.46               | 21.61                  | 21.45                |                     |          |       |                     |          |
| 10                 | 16QAM      | 1       | 25        | 21.30               | 21.41                  | 21.31                | 23                  | 1        |       |                     |          |
| 10                 | 16QAM      | 1       | 49        | 21.30               | 21.43                  | 21.35                |                     |          |       |                     |          |
| 10                 | 16QAM      | 25      | 0         | 20.31               | 20.44                  | 20.36                |                     |          |       |                     |          |
| 10                 | 16QAM      | 25      | 12        | 20.43               | 20.49                  | 20.40                |                     |          |       |                     |          |
| 10                 | 16QAM      | 25      | 25        | 20.40               | 20.52                  | 20.46                | 22                  | 2        |       |                     |          |
| 10                 | 16QAM      | 50      | 0         | 20.21               | 20.33                  | 20.23                |                     |          |       |                     |          |
| 10                 | 64QAM      | 1       | 0         | 20.33               | 20.46                  | 20.34                |                     |          |       |                     |          |
| 10                 | 64QAM      | 1       | 25        | 20.28               | 20.38                  | 20.33                |                     |          |       |                     |          |
| 10                 | 64QAM      | 1       | 49        | 20.27               | 20.43                  | 20.29                | 22                  | 2        |       |                     |          |
| 10                 | 64QAM      | 25      | 0         | 19.45               | 19.51                  | 19.45                |                     |          |       |                     |          |
| 10                 | 64QAM      | 25      | 12        | 19.17               | 19.27                  | 19.16                |                     |          |       |                     |          |
| 10                 | 64QAM      | 25      | 25        | 19.34               | 19.43                  | 19.29                |                     |          |       |                     |          |
| 10                 | 64QAM      | 50      | 0         | 19.24               | 19.38                  | 19.30                | 21                  | 3        |       |                     |          |
| 10                 | 256QAM     | 1       | 0         | 17.39               | 17.54                  | 17.47                |                     |          |       |                     |          |
| 10                 | 256QAM     | 1       | 25        | 17.11               | 17.24                  | 17.20                |                     |          |       |                     |          |
| 10                 | 256QAM     | 1       | 49        | 17.32               | 17.46                  | 17.35                |                     |          |       |                     |          |
| 10                 | 256QAM     | 25      | 0         | 17.17               | 17.33                  | 17.20                | 19                  | 5        |       |                     |          |
| 10                 | 256QAM     | 25      | 12        | 17.10               | 17.23                  | 17.15                |                     |          |       |                     |          |
| 10                 | 256QAM     | 25      | 25        | 17.39               | 17.47                  | 17.43                |                     |          |       |                     |          |
| 10                 | 256QAM     | 50      | 0         | 17.26               | 17.41                  | 17.29                |                     |          |       |                     |          |
| Channel            |            |         |           |                     |                        |                      | 23755               | 23790    | 23825 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)    |            |         |           | 706.5               | 710                    | 713.5                |                     |          |       |                     |          |
| 5                  | QPSK       | 1       | 0         | 22.27               | 22.37                  | 22.33                | 24                  | 0        |       |                     |          |
| 5                  | QPSK       | 1       | 12        | 22.05               | 22.16                  | 22.08                |                     |          |       |                     |          |
| 5                  | QPSK       | 1       | 24        | 22.01               | 22.15                  | 22.16                |                     |          |       |                     |          |
| 5                  | QPSK       | 12      | 0         | 21.29               | 21.29                  | 21.18                |                     |          |       |                     |          |
| 5                  | QPSK       | 12      | 7         | 21.06               | 21.12                  | 21.15                | 23                  | 1        |       |                     |          |
| 5                  | QPSK       | 12      | 13        | 21.23               | 21.22                  | 21.20                |                     |          |       |                     |          |
| 5                  | QPSK       | 25      | 0         | 21.06               | 21.16                  | 21.10                |                     |          |       |                     |          |
| 5                  | 16QAM      | 1       | 0         | 21.34               | 21.57                  | 21.41                |                     |          |       |                     |          |
| 5                  | 16QAM      | 1       | 12        | 21.14               | 21.28                  | 21.15                | 23                  | 1        |       |                     |          |
| 5                  | 16QAM      | 1       | 24        | 21.20               | 21.32                  | 21.33                |                     |          |       |                     |          |
| 5                  | 16QAM      | 12      | 0         | 20.22               | 20.33                  | 20.22                |                     |          |       |                     |          |
| 5                  | 16QAM      | 12      | 7         | 20.39               | 20.39                  | 20.33                |                     |          |       |                     |          |
| 5                  | 16QAM      | 12      | 13        | 20.29               | 20.40                  | 20.36                | 22                  | 2        |       |                     |          |
| 5                  | 16QAM      | 25      | 0         | 20.14               | 20.28                  | 20.10                |                     |          |       |                     |          |
| 5                  | 64QAM      | 1       | 0         | 20.17               | 20.41                  | 20.20                |                     |          |       |                     |          |
| 5                  | 64QAM      | 1       | 12        | 20.17               | 20.26                  | 20.16                |                     |          |       |                     |          |
| 5                  | 64QAM      | 1       | 24        | 20.17               | 20.38                  | 20.14                | 22                  | 2        |       |                     |          |
| 5                  | 64QAM      | 12      | 0         | 19.35               | 19.37                  | 19.26                |                     |          |       |                     |          |
| 5                  | 64QAM      | 12      | 7         | 19.10               | 19.22                  | 19.10                |                     |          |       |                     |          |
| 5                  | 64QAM      | 12      | 13        | 19.28               | 19.27                  | 19.17                |                     |          |       |                     |          |
| 5                  | 64QAM      | 25      | 0         | 19.20               | 19.28                  | 19.25                | 21                  | 3        |       |                     |          |
| 5                  | 256QAM     | 1       | 0         | 17.29               | 17.46                  | 17.33                |                     |          |       |                     |          |
| 5                  | 256QAM     | 1       | 12        | 17.03               | 17.19                  | 17.06                |                     |          |       |                     |          |
| 5                  | 256QAM     | 1       | 24        | 17.27               | 17.41                  | 17.31                |                     |          |       |                     |          |
| 5                  | 256QAM     | 12      | 0         | 17.06               | 17.29                  | 17.09                | 19                  | 5        |       |                     |          |
| 5                  | 256QAM     | 12      | 7         | 17.02               | 17.09                  | 17.04                |                     |          |       |                     |          |
| 5                  | 256QAM     | 12      | 13        | 17.30               | 17.39                  | 17.29                |                     |          |       |                     |          |
| 5                  | 256QAM     | 25      | 0         | 17.20               | 17.34                  | 17.17                |                     |          |       |                     |          |

| Band 26 for FCC Ant0 DSI 6 |            |         |           |                            |                               |                             |                     |          |       |
|----------------------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|---------------------|----------|-------|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch / Freq. (dBm) | Power Middle Ch / Freq. (dBm) | Power High Ch / Freq. (dBm) | Tune-up limit (dBm) | MPR (dB) |       |
| Channel                    |            |         |           |                            |                               |                             |                     |          |       |
| Frequency (MHz)            |            |         |           |                            |                               |                             | 831.5               | 831.5    | 841.5 |
| 15                         | QPSK       | 1       | 0         | 22.19                      | 22.38                         | 22.25                       | 24                  | 0        |       |
| 15                         | QPSK       | 1       | 37        | 22.05                      | 22.17                         | 22.10                       |                     |          |       |
| 15                         | QPSK       | 1       | 74        | 22.15                      | 22.21                         | 22.13                       |                     |          |       |
| 15                         | QPSK       | 36      | 0         | 21.40                      | 21.46                         | 21.41                       |                     |          |       |
| 15                         | QPSK       | 36      | 20        | 21.24                      | 21.32                         | 21.26                       | 23                  | 1        |       |
| 15                         | QPSK       | 36      | 39        | 21.27                      | 21.41                         | 21.37                       |                     |          |       |
| 15                         | QPSK       | 75      | 0         | 21.28                      | 21.35                         | 21.26                       |                     |          |       |
| 15                         | 16QAM      | 1       | 0         | 21.27                      | 21.38                         | 21.31                       |                     |          |       |
| 15                         | 16QAM      | 1       | 37        | 21.19                      | 21.26                         | 21.14                       | 23                  | 1        |       |
| 15                         | 16QAM      | 1       | 74        | 21.40                      | 21.45                         | 21.29                       |                     |          |       |
| 15                         | 16QAM      | 36      | 0         | 20.41                      | 20.52                         | 20.42                       |                     |          |       |
| 15                         | 16QAM      | 36      | 20        | 20.34                      | 20.43                         | 20.34                       |                     |          |       |
| 15                         | 16QAM      | 36      | 39        | 20.22                      | 20.31                         | 20.20                       | 22                  | 2        |       |
| 15                         | 16QAM      | 75      | 0         | 20.35                      | 20.46                         | 20.36                       |                     |          |       |
| 15                         | 64QAM      | 1       | 0         | 20.37                      | 20.43                         | 20.39                       |                     |          |       |
| 15                         | 64QAM      | 1       | 37        | 20.16                      | 20.28                         | 20.12                       |                     |          |       |
| 15                         | 64QAM      | 1       | 74        | 20.26                      | 20.36                         | 20.24                       | 22                  | 2        |       |
| 15                         | 64QAM      | 36      | 0         | 19.35                      | 19.48                         | 19.41                       |                     |          |       |
| 15                         | 64QAM      | 36      | 20        | 19.11                      | 19.21                         | 19.13                       |                     |          |       |
| 15                         | 64QAM      | 36      | 39        | 19.28                      | 19.38                         | 19.29                       |                     |          |       |
| 15                         | 64QAM      | 75      | 0         | 19.39                      | 19.47                         | 19.39                       | 21                  | 3        |       |
| 15                         | 256QAM     | 1       | 0         | 17.36                      | 17.43                         | 17.37                       |                     |          |       |
| 15                         | 256QAM     | 1       | 37        | 17.23                      | 17.29                         | 17.25                       |                     |          |       |
| 15                         | 256QAM     | 1       | 74        | 17.26                      | 17.36                         | 17.29                       |                     |          |       |
| 15                         | 256QAM     | 36      | 0         | 17.45                      | 17.55                         | 17.45                       | 19                  | 5        |       |
| 15                         | 256QAM     | 36      | 20        | 17.37                      | 17.42                         | 17.34                       |                     |          |       |
| 15                         | 256QAM     | 36      | 39        | 17.23                      | 17.38                         | 17.26                       |                     |          |       |
| 15                         | 256QAM     | 75      | 0         | 17.38                      | 17.51                         | 17.42                       |                     |          |       |
| Channel                    |            |         |           |                            |                               |                             | 26740               | 26665    | 26990 |
| Frequency (MHz)            |            |         |           |                            |                               |                             | 819                 | 831.5    | 844   |
| 10                         | QPSK       | 1       | 0         | 22.10                      | 22.22                         | 22.19                       | 24                  | 0        |       |
| 10                         | QPSK       | 1       | 25        | 22.04                      | 22.04                         | 22.01                       |                     |          |       |
| 10                         | QPSK       | 1       | 49        | 22.05                      | 22.06                         | 22.11                       |                     |          |       |
| 10                         | QPSK       | 25      | 0         | 21.27                      | 21.37                         | 21.25                       |                     |          |       |
| 10                         | QPSK       | 25      | 12        | 21.09                      | 21.25                         | 21.14                       | 23                  | 1        |       |
| 10                         | QPSK       | 25      | 25        | 21.16                      | 21.29                         | 21.31                       |                     |          |       |
| 10                         | QPSK       | 50      | 0         | 21.13                      | 21.24                         | 21.16                       |                     |          |       |
| 10                         | 16QAM      | 1       | 0         | 21.18                      | 21.27                         | 21.22                       |                     |          |       |
| 10                         | 16QAM      | 1       | 25        | 21.13                      | 21.14                         | 21.02                       | 23                  | 1        |       |
| 10                         | 16QAM      | 1       | 49        | 21.30                      | 21.37                         | 21.16                       |                     |          |       |
| 10                         | 16QAM      | 25      | 0         | 20.31                      | 20.45                         | 20.33                       |                     |          |       |
| 10                         | 16QAM      | 25      | 12        | 20.20                      | 20.31                         | 20.26                       |                     |          |       |
| 10                         | 16QAM      | 50      | 0         | 20.18                      | 20.29                         | 20.19                       | 22                  | 2        |       |
| 10                         | 16QAM      | 50      | 0         | 20.23                      | 20.30                         | 20.27                       |                     |          |       |
| 10                         | 64QAM      | 1       | 0         | 20.28                      | 20.31                         | 20.31                       |                     |          |       |
| 10                         | 64QAM      | 1       | 25        | 20.00                      | 20.13                         | 20.06                       |                     |          |       |
| 10                         | 64QAM      | 1       | 49        | 20.22                      | 20.22                         | 20.11                       | 22                  | 2        |       |
| 10                         | 64QAM      | 25      | 0         | 19.25                      | 19.41                         | 19.30                       |                     |          |       |
| 10                         | 64QAM      | 25      | 12        | 19.21                      | 19.11                         | 19.11                       |                     |          |       |
| 10                         | 64QAM      | 25      | 25        | 19.15                      | 19.29                         | 19.23                       |                     |          |       |
| 10                         | 64QAM      | 50      | 0         | 19.32                      | 19.43                         | 19.32                       | 21                  | 3        |       |
| 10                         | 256QAM     | 1       | 0         | 17.26                      | 17.28                         | 17.23                       |                     |          |       |
| 10                         | 256QAM     | 1       | 25        | 17.09                      | 17.16                         | 17.14                       |                     |          |       |
| 10                         | 256QAM     | 1       | 49        | 17.12                      | 17.31                         | 17.18                       |                     |          |       |
| 10                         | 256QAM     | 25      | 0         | 17.32                      | 17.43                         | 17.41                       | 19                  | 5        |       |
| 10                         | 256QAM     | 25      | 12        | 17.24                      | 17.28                         | 17.21                       |                     |          |       |
| 10                         | 256QAM     | 25      | 25        | 17.15                      | 17.33                         | 17.15                       |                     |          |       |
| 10                         | 256QAM     | 50      | 0         | 17.32                      | 17.40                         | 17.26                       |                     |          |       |
| Channel                    |            |         |           |                            |                               |                             | 26715               | 26665    | 27075 |
| Frequency (MHz)            |            |         |           |                            |                               |                             | 818.5               | 831.5    | 846.5 |
| 5                          | QPSK       | 1       | 0         | 22.14                      | 22.22                         | 22.16                       | 24                  | 0        |       |
| 5                          | QPSK       | 1       | 12        | 22.03                      | 22.11                         | 22                          |                     |          |       |
| 5                          | QPSK       | 1       | 24        | 22.06                      | 22.09                         | 22.01                       |                     |          |       |
| 5                          | QPSK       | 12      | 0         | 21.35                      | 21.38                         | 21.26                       |                     |          |       |
| 5                          | QPSK       | 12      | 7         | 21.20                      | 21.24                         | 21.18                       | 23                  | 1        |       |
| 5                          | QPSK       | 12      | 13        | 21.15                      | 21.35                         | 21.28                       |                     |          |       |
| 5                          | QPSK       | 25      | 0         | 21.15                      | 21.21                         | 21.12                       |                     |          |       |
| 5                          | 16QAM      | 1       | 0         | 21.14                      | 21.31                         | 21.22                       |                     |          |       |
| 5                          | 16QAM      | 1       | 12        | 21.06                      | 21.15                         | 21.03                       | 23                  | 1        |       |
| 5                          | 16QAM      | 1       | 24        | 21.35                      | 21.30                         | 21.23                       |                     |          |       |
| 5                          | 16QAM      | 12      | 0         | 20.33                      | 20.39                         | 20.32                       |                     |          |       |
| 5                          | 16QAM      | 12      | 7         | 20.21                      | 20.33                         | 20.26                       |                     |          |       |
| 5                          | 16QAM      | 12      | 13        | 20.16                      | 20.27                         | 20.09                       | 22                  | 2        |       |
| 5                          | 16QAM      | 25      | 0         | 20.22                      | 20.33                         | 20.30                       |                     |          |       |
| 5                          | 16QAM      | 25      | 7         | 20.30                      | 20.37                         | 20.34                       |                     |          |       |
| 5                          | 64QAM      | 1       | 12        | 20.08                      | 20.13                         | 20.18                       |                     |          |       |
| 5                          | 64QAM      | 1       | 24        | 20.12                      | 20.31                         | 20.18                       | 22                  | 2        |       |
| 5                          | 64QAM      | 12      | 0         | 19.30                      | 19.36                         | 19.32                       |                     |          |       |
| 5                          | 64QAM      | 12      | 7         | 19.03                      | 19.14                         | 19.01                       |                     |          |       |
| 5                          | 64QAM      | 12      | 13        | 19.13                      | 19.26                         | 19.16                       |                     |          |       |
| 5                          | 64QAM      | 25      | 0         | 19.29                      | 19.43                         | 19.23                       | 21                  | 3        |       |
| 5                          | 256QAM     | 1       | 0         | 17.21                      | 17.36                         | 17.22                       |                     |          |       |
| 5                          | 256QAM     | 1       | 12        | 17.09                      | 17.16                         | 17.17                       |                     |          |       |
| 5                          | 256QAM     | 1       | 24        | 17.16                      | 17.20                         | 17.21                       |                     |          |       |
| 5                          | 256QAM     | 12      | 0         | 17.31                      | 17.45                         | 17.34                       | 19                  | 5        |       |
| 5                          | 256QAM     | 12      | 7         | 17.28                      | 17.29                         | 17.21                       |                     |          |       |
| 5                          | 256QAM     | 12      | 13        | 17.09                      | 17.32                         | 17.21                       |                     |          |       |
| 5                          | 256QAM     | 25      | 0         | 17.30                      | 17.42                         | 17.27                       |                     |          |       |
| Channel                    |            |         |           |                            |                               |                             | 26705               | 26665    | 26975 |
| Frequency (MHz)            |            |         |           |                            |                               |                             | 815.5               | 831.5    | 847.5 |
| 3                          | QPSK       | 1       | 0         | 22.05                      | 22.23                         | 22.09                       | 24                  | 0        |       |
| 3                          | QPSK       | 1       | 8         | 22.04                      | 22.11                         | 22.02                       |                     |          |       |
| 3                          | QPSK       | 1       | 14        | 22.02                      | 22.07                         | 22.04                       |                     |          |       |
| 3                          | QPSK       | 8       | 0         | 21.31                      | 21.30                         | 21.23                       |                     |          |       |
| 3                          | QPSK       | 8       | 4         | 21.08                      | 21.27                         | 21.12                       | 23                  | 1        |       |
| 3                          | QPSK       | 8       | 7         | 21.17                      | 21.27                         | 21.25                       |                     |          |       |
| 3                          | QPSK       | 15      | 0         | 21.18                      | 21.22                         | 21.16                       |                     |          |       |
| 3                          | 16QAM      | 1       | 0         | 21.15                      | 21.28                         | 21.21                       |                     |          |       |
| 3                          | 16QAM      | 1       | 8         | 21.15                      | 21.18                         | 21.22                       | 23                  | 1        |       |
| 3                          | 16QAM      | 1       | 14        | 21.34                      | 21.40                         | 21.21                       |                     |          |       |
| 3                          | 16QAM      | 8       | 0         | 20.27                      | 20.36                         | 20.38                       |                     |          |       |
| 3                          | 16QAM      | 8       | 4         | 20.26                      | 20.38                         | 20.30                       |                     |          |       |
| 3                          | 16QAM      | 8       | 7         | 20.06                      | 20.21                         | 20.12                       | 22                  | 2        |       |
| 3                          | 16QAM      | 15      | 0         | 20.25                      | 20.31                         | 20.31                       |                     |          |       |
| 3                          | 64QAM      | 1       | 0         | 20.28                      | 20.37                         | 20.25                       |                     |          |       |
| 3                          | 64QAM      | 1       | 8         | 20.09                      | 20.16                         | 20.01                       |                     |          |       |
| 3                          | 64QAM      | 1       | 14        | 20.13                      | 20.29                         | 20.09                       | 22                  | 2        |       |
| 3                          | 64QAM      | 8       | 0         | 19.25                      | 19.38                         | 19.27                       |                     |          |       |
| 3                          | 64QAM      | 8       | 4         | 19.11                      | 19.12                         | 19.03                       |                     |          |       |
| 3                          | 64QAM      | 8       | 7         | 19.16                      | 19.33                         | 19.18                       |                     |          |       |
| 3                          | 64QAM      | 15      | 0         | 19.32                      | 19.37                         | 19.32                       | 21                  | 3        |       |
| 3                          | 256QAM     | 1       | 0         | 17.22                      | 17.36                         | 17.32                       |                     |          |       |
| 3                          | 256QAM     | 1       | 8         | 17.16                      | 17.20                         | 17.16                       |                     |          |       |
| 3                          | 256QAM     | 1       | 14        | 17.21                      | 17.22                         | 17.14                       |                     |          |       |
| 3                          | 256QAM     | 8       | 0         | 17.36                      | 17.44                         | 17.30                       | 19                  | 5        |       |
| 3                          | 256QAM     | 8       | 4         | 17.23                      | 17.26                         | 17.24                       |                     |          |       |
| 3                          | 256QAM     | 8       | 7         | 17.11                      | 17.24                         | 17.12                       |                     |          |       |
| 3                          | 256QAM     | 15      | 0         | 17.25                      | 17.48                         | 17.28                       |                     |          |       |
| Channel                    |            |         |           |                            |                               |                             | 26697               | 26665    | 27033 |
| Frequency (MHz)            |            |         |           |                            |                               |                             | 814.7               | 831.5    | 846.3 |
| 1.4                        | QPSK       | 1       | 0         | 22.05                      | 22.25                         | 22.17                       | 24                  | 0        |       |
| 1.4                        | QPSK       | 1       | 3         | 22.00                      | 22.01                         | 22.00                       |                     |          |       |
| 1.4                        | QPSK       | 1       | 5         | 22.11                      | 22.14                         | 22.03                       |                     |          |       |
| 1.4                        | QPSK       | 3       | 0         | 22.05                      | 22.12                         | 22.16                       |                     |          |       |
| 1.4                        | QPSK       | 3       | 1         | 22.00                      | 22.06                         | 22.05                       | 23                  | 1        |       |
| 1.4                        | QPSK       | 3       | 3         | 22.10                      | 22.16                         | 22.01                       |                     |          |       |
| 1.4                        | QPSK       | 6       | 0         | 21.12                      | 21.31                         | 21.17                       |                     |          |       |
| 1.4                        | 16QAM      | 1       | 0         | 21.20                      | 21.24                         | 21.17                       |                     |          |       |
| 1.4                        | 16QAM      | 1       | 3         | 21.12                      | 21.19                         | 21.05                       | 23                  | 1        |       |
| 1.4                        | 16QAM      | 1       | 5         | 21.34                      | 21.31                         | 21.18                       |                     |          |       |
| 1.4                        | 16QAM      | 3       | 0         | 21.16                      | 21.30                         | 21.26                       |                     |          |       |
| 1.4                        | 16QAM      | 3       | 1         | 21.19                      | 21.28                         | 21.12                       |                     |          |       |
| 1.4                        | 16QAM      | 3       | 3         | 21.18                      | 21.28                         | 21.19                       | 22                  | 2        |       |
| 1.4                        | 16QAM      | 6       | 0         | 20.31                      | 20.35                         | 20.29                       |                     |          |       |
| 1.4                        | 64QAM      | 1       | 0         | 20.30                      | 20.36                         | 20.32                       |                     |          |       |
| 1.4                        | 64QAM      | 1       | 3         | 20.31                      | 20.23                         | 20.27                       |                     |          |       |
| 1.4                        | 64QAM      | 1       | 5         | 20.19                      | 20.22                         | 20.08                       | 22                  | 2        |       |
| 1.4                        | 64QAM      | 3       | 0         | 20.28                      | 20.43                         | 20.27                       |                     |          |       |
| 1.4                        | 64QAM      | 3       | 1         | 20.27                      | 20.30                         | 20.24                       |                     |          |       |
| 1.4                        | 64QAM      | 3       | 3         | 20.17                      | 20.19                         | 20.09                       |                     |          |       |
| 1.4                        | 256QAM     | 1       | 0         | 19.26                      | 19.38                         | 19.26                       | 21                  | 3        |       |
| 1.4                        | 256QAM     | 1       | 3         | 17.27                      | 17.35                         | 17.31                       |                     |          |       |
| 1.4                        | 256QAM     | 1       | 5         | 17.12                      | 17.23                         | 17.21                       |                     |          |       |
| 1.4                        | 256QAM     | 1       | 5         | 17.18                      | 17.22                         | 17.24                       |                     |          |       |
| 1.4                        | 256QAM     | 3       | 0         | 17.41                      | 17.50                         | 17.36                       | 19                  | 5        |       |
| 1.4                        | 256QAM     | 3       | 1         | 17.33                      | 17.31                         | 17.28                       |                     |          |       |
| 1.4                        | 256QAM     | 3       | 3         | 17.15                      | 17.27                         | 17.12                       |                     |          |       |
| 1.4                        | 256QAM     | 6       | 0         | 17.34                      | 17.40                         | 17.31                       |                     |          |       |

| GSM1900 Ant1 DSI 6 |  |                           |       |        |         |  |                           |       |        |
|--------------------|--|---------------------------|-------|--------|---------|--|---------------------------|-------|--------|
| GSM1900            |  | Burst-Average Power (dBm) |       |        | Tune-up |  | Frame-Average Power (dBm) |       |        |
| TX Channel         |  | 512                       | 661   | 810    | Limit   |  | 512                       | 661   | 810    |
| Frequency (MHz)    |  | 1850.2                    | 1860  | 1860.8 | (dBm)   |  | 1850.2                    | 1860  | 1860.8 |
| GSM 1 Tx slot      |  | 29.40                     | 29.39 | 29.32  | 39.50   |  | 29.40                     | 29.39 | 29.32  |
| GPRS 1 Tx slot     |  | 29.39                     | 29.36 | 29.30  | 30.50   |  | 29.39                     | 29.36 | 29.30  |
| GPRS 2 Tx slots    |  | 27.53                     | 27.62 | 27.52  | 28.50   |  | 21.53                     | 21.62 | 21.52  |
| GPRS 3 Tx slots    |  | 24.93                     | 24.86 | 24.60  | 26.00   |  | 20.67                     | 20.60 | 20.54  |
| GPRS 4 Tx slots    |  | 23.99                     | 23.04 | 23.08  | 24.00   |  | 19.99                     | 20.04 | 20.08  |
| EDGE 1 Tx slot     |  | 24.54                     | 24.61 | 24.61  | 25.50   |  | 15.54                     | 15.61 | 15.61  |
| EDGE 2 Tx slots    |  | 23.29                     | 23.30 | 23.30  | 24.50   |  | 17.29                     | 17.30 | 17.30  |
| EDGE 3 Tx slots    |  | 21.24                     | 21.16 | 21.09  | 22.00   |  | 16.98                     | 16.92 | 16.83  |
| EDGE 4 Tx slots    |  | 19.10                     | 19.09 | 19.09  | 20.00   |  | 16.10                     | 16.09 | 16.09  |

|                 |  | WCDMA II Ant1 DSI 6 |       |        |          | WCDMA IV Ant1 DSI 6 |        |        |        |
|-----------------|--|---------------------|-------|--------|----------|---------------------|--------|--------|--------|
| Band            |  | WCDMA II            |       |        | WCDMA IV |                     |        |        |        |
| TX Channel      |  | 5262                | 5400  | 5538   | Tune-up  |                     | 1312   | 1413   | 1513   |
| Rx Channel      |  | 5692                | 5930  | 5938   | Limit    |                     | 1437   | 1438   | 1734   |
| Frequency (MHz) |  | 1852.4              | 1880  | 1907.6 | (dBm)    |                     | 1732.4 | 1732.6 | 1752.8 |
| 3GPP Rel 99     |  | 22.02               | 22.16 | 22.05  | 23.60    |                     | 22.08  | 22.12  | 22.05  |
| 3GPP Rel 99     |  | RNC 12.2Kbps        | 22.03 | 22.18  | 22.11    |                     | 23.60  | 22.16  | 22.08  |
| 3GPP Rel 6      |  | HSDPA Subtest-1     | 21.15 | 21.27  | 21.04    | 22.80               | 21.13  | 21.11  | 21.22  |
| 3GPP Rel 6      |  | HSDPA Subtest-2     | 21.15 | 21.15  | 21.04    | 22.80               | 21.27  | 21.27  | 21.16  |
| 3GPP Rel 6      |  | HSDPA Subtest-3     | 20.81 | 20.76  | 20.53    | 22.10               | 20.68  | 20.81  | 20.80  |
| 3GPP Rel 6      |  | HSDPA Subtest-4     | 20.55 | 20.57  | 20.50    | 22.10               | 20.52  | 20.71  | 20.87  |
| 3GPP Rel 6      |  | DCHSDPA Subtest-1   | 21.18 | 21.17  | 21.02    | 22.80               | 21.24  | 21.20  | 21.07  |
| 3GPP Rel 6      |  | DCHSDPA Subtest-2   | 21.21 | 21.13  | 21.02    | 22.80               | 21.07  | 21.16  | 21.10  |
| 3GPP Rel 6      |  | DCHSDPA Subtest-3   | 20.59 | 20.88  | 20.52    | 22.10               | 20.81  | 20.77  | 20.80  |
| 3GPP Rel 6      |  | DCHSDPA Subtest-4   | 20.62 | 20.67  | 20.56    | 22.10               | 20.68  | 20.78  | 20.86  |
| 3GPP Rel 6      |  | HSPA Subtest-1      | 21.00 | 21.18  | 21.21    | 22.80               | 21.05  | 21.21  | 21.05  |
| 3GPP Rel 6      |  | HSPA Subtest-2      | 19.08 | 19.26  | 19.22    | 20.80               | 19.07  | 19.23  | 19.11  |
| 3GPP Rel 6      |  | HSPA Subtest-3      | 20.11 | 20.14  | 20.13    | 21.80               | 20.16  | 20.20  | 20.09  |
| 3GPP Rel 6      |  | HSPA Subtest-4      | 19.08 | 19.16  | 19.01    | 20.80               | 19.18  | 19.28  | 19.00  |
| 3GPP Rel 6      |  | HSPA Subtest-5      | 21.07 | 21.24  | 21.16    | 22.80               | 21.23  | 21.10  | 21.25  |





| Band 38 Ant1 DSI 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            |            |         |           | 37650                 | 38000                    | 38150                  |                     |          |  |  |
| Frequency (MHz)    |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |  |
| 20                 | QPSK       | 1       | 0         | 22.86                 | 22.92                    | 22.82                  | 24                  | 0        |  |  |
| 20                 | QPSK       | 1       | 49        | 22.86                 | 22.74                    | 22.67                  |                     |          |  |  |
| 20                 | QPSK       | 50      | 0         | 21.64                 | 21.78                    | 21.63                  | 23                  | 1        |  |  |
| 20                 | QPSK       | 50      | 24        | 21.55                 | 21.68                    | 21.62                  |                     |          |  |  |
| 20                 | QPSK       | 50      | 50        | 21.66                 | 21.75                    | 21.61                  | 23                  | 1        |  |  |
| 20                 | QPSK       | 100     | 0         | 21.61                 | 21.70                    | 21.62                  |                     |          |  |  |
| 20                 | 16QAM      | 1       | 0         | 21.79                 | 21.90                    | 21.79                  | 23                  | 1        |  |  |
| 20                 | 16QAM      | 1       | 49        | 21.66                 | 21.79                    | 21.65                  |                     |          |  |  |
| 20                 | 16QAM      | 1       | 99        | 21.64                 | 21.73                    | 21.59                  | 22                  | 2        |  |  |
| 20                 | 16QAM      | 50      | 0         | 20.72                 | 20.82                    | 20.75                  |                     |          |  |  |
| 20                 | 16QAM      | 50      | 24        | 20.53                 | 20.63                    | 20.54                  | 22                  | 2        |  |  |
| 20                 | 16QAM      | 50      | 50        | 20.61                 | 20.70                    | 20.66                  |                     |          |  |  |
| 20                 | 16QAM      | 100     | 0         | 20.67                 | 20.73                    | 20.67                  | 22                  | 2        |  |  |
| 20                 | 64QAM      | 1       | 0         | 21.66                 | 21.75                    | 21.61                  |                     |          |  |  |
| 20                 | 64QAM      | 1       | 49        | 21.53                 | 21.61                    | 21.50                  | 22                  | 2        |  |  |
| 20                 | 64QAM      | 1       | 99        | 21.66                 | 21.73                    | 21.64                  |                     |          |  |  |
| 20                 | 64QAM      | 50      | 0         | 20.70                 | 20.74                    | 20.62                  | 21                  | 3        |  |  |
| 20                 | 64QAM      | 50      | 24        | 20.52                 | 20.58                    | 20.46                  |                     |          |  |  |
| 20                 | 64QAM      | 50      | 50        | 20.66                 | 20.72                    | 20.67                  | 21                  | 3        |  |  |
| 20                 | 64QAM      | 100     | 0         | 20.64                 | 20.78                    | 20.73                  |                     |          |  |  |
| 20                 | 256QAM     | 1       | 0         | 17.63                 | 17.70                    | 17.58                  | 19                  | 5        |  |  |
| 20                 | 256QAM     | 1       | 49        | 17.52                 | 17.61                    | 17.56                  |                     |          |  |  |
| 20                 | 256QAM     | 1       | 99        | 17.55                 | 17.64                    | 17.51                  | 19                  | 5        |  |  |
| 20                 | 256QAM     | 50      | 0         | 17.78                 | 17.85                    | 17.78                  |                     |          |  |  |
| 20                 | 256QAM     | 50      | 24        | 17.58                 | 17.68                    | 17.59                  | 19                  | 5        |  |  |
| 20                 | 256QAM     | 50      | 50        | 17.62                 | 17.77                    | 17.68                  |                     |          |  |  |
| 20                 | 256QAM     | 100     | 0         | 17.61                 | 17.76                    | 17.64                  |                     |          |  |  |
| Channel            |            |         |           | 37625                 | 38000                    | 38175                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)    |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |  |
| 15                 | QPSK       | 1       | 0         | 22.76                 | 22.79                    | 22.71                  | 24                  | 0        |  |  |
| 15                 | QPSK       | 1       | 37        | 22.57                 | 22.60                    | 22.63                  |                     |          |  |  |
| 15                 | QPSK       | 1       | 74        | 22.43                 | 22.49                    | 22.49                  | 23                  | 1        |  |  |
| 15                 | QPSK       | 36      | 0         | 21.60                 | 21.71                    | 21.53                  |                     |          |  |  |
| 15                 | QPSK       | 36      | 20        | 21.40                 | 21.52                    | 21.52                  | 23                  | 1        |  |  |
| 15                 | QPSK       | 36      | 39        | 21.54                 | 21.66                    | 21.57                  |                     |          |  |  |
| 15                 | QPSK       | 75      | 0         | 21.55                 | 21.59                    | 21.50                  | 23                  | 1        |  |  |
| 15                 | 16QAM      | 1       | 0         | 21.71                 | 21.81                    | 21.66                  |                     |          |  |  |
| 15                 | 16QAM      | 1       | 37        | 21.51                 | 21.66                    | 21.50                  | 23                  | 1        |  |  |
| 15                 | 16QAM      | 1       | 74        | 21.55                 | 21.57                    | 21.45                  |                     |          |  |  |
| 15                 | 16QAM      | 36      | 0         | 20.58                 | 20.73                    | 20.69                  | 22                  | 2        |  |  |
| 15                 | 16QAM      | 36      | 20        | 20.39                 | 20.50                    | 20.49                  |                     |          |  |  |
| 15                 | 16QAM      | 36      | 39        | 20.51                 | 20.60                    | 20.50                  | 22                  | 2        |  |  |
| 15                 | 16QAM      | 75      | 0         | 20.58                 | 20.62                    | 20.54                  |                     |          |  |  |
| 15                 | 64QAM      | 1       | 0         | 21.54                 | 21.64                    | 21.55                  | 22                  | 2        |  |  |
| 15                 | 64QAM      | 1       | 37        | 21.38                 | 21.53                    | 21.38                  |                     |          |  |  |
| 15                 | 64QAM      | 1       | 74        | 21.51                 | 21.67                    | 21.49                  | 21                  | 3        |  |  |
| 15                 | 64QAM      | 36      | 0         | 20.62                 | 20.68                    | 20.48                  |                     |          |  |  |
| 15                 | 64QAM      | 36      | 20        | 20.42                 | 20.48                    | 20.39                  | 21                  | 3        |  |  |
| 15                 | 64QAM      | 36      | 39        | 20.58                 | 20.63                    | 20.56                  |                     |          |  |  |
| 15                 | 64QAM      | 75      | 0         | 20.55                 | 20.67                    | 20.58                  | 19                  | 5        |  |  |
| 15                 | 256QAM     | 1       | 0         | 17.58                 | 17.62                    | 17.52                  |                     |          |  |  |
| 15                 | 256QAM     | 1       | 37        | 17.46                 | 17.52                    | 17.47                  | 19                  | 5        |  |  |
| 15                 | 256QAM     | 1       | 74        | 17.48                 | 17.52                    | 17.38                  |                     |          |  |  |
| 15                 | 256QAM     | 36      | 0         | 17.68                 | 17.70                    | 17.73                  | 19                  | 5        |  |  |
| 15                 | 256QAM     | 36      | 20        | 17.53                 | 17.62                    | 17.43                  |                     |          |  |  |
| 15                 | 256QAM     | 36      | 39        | 17.55                 | 17.69                    | 17.56                  | 19                  | 5        |  |  |
| 15                 | 256QAM     | 75      | 0         | 17.54                 | 17.65                    | 17.59                  |                     |          |  |  |
| Channel            |            |         |           | 37600                 | 38000                    | 38200                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)    |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |  |
| 10                 | QPSK       | 1       | 0         | 22.78                 | 22.81                    | 22.73                  | 24                  | 0        |  |  |
| 10                 | QPSK       | 1       | 25        | 22.56                 | 22.67                    | 22.57                  |                     |          |  |  |
| 10                 | QPSK       | 1       | 49        | 22.41                 | 22.46                    | 22.45                  | 23                  | 1        |  |  |
| 10                 | QPSK       | 25      | 0         | 21.53                 | 21.70                    | 21.50                  |                     |          |  |  |
| 10                 | QPSK       | 25      | 12        | 21.44                 | 21.59                    | 21.48                  | 23                  | 1        |  |  |
| 10                 | QPSK       | 25      | 25        | 21.53                 | 21.62                    | 21.52                  |                     |          |  |  |
| 10                 | QPSK       | 50      | 0         | 21.50                 | 21.56                    | 21.54                  | 23                  | 1        |  |  |
| 10                 | 16QAM      | 1       | 0         | 21.71                 | 21.76                    | 21.68                  |                     |          |  |  |
| 10                 | 16QAM      | 1       | 25        | 21.59                 | 21.73                    | 21.49                  | 23                  | 1        |  |  |
| 10                 | 16QAM      | 1       | 49        | 21.52                 | 21.64                    | 21.48                  |                     |          |  |  |
| 10                 | 16QAM      | 25      | 0         | 20.67                 | 20.68                    | 20.64                  | 22                  | 2        |  |  |
| 10                 | 16QAM      | 25      | 12        | 20.48                 | 20.51                    | 20.45                  |                     |          |  |  |
| 10                 | 16QAM      | 25      | 25        | 20.46                 | 20.58                    | 20.57                  | 22                  | 2        |  |  |
| 10                 | 16QAM      | 50      | 0         | 20.57                 | 20.62                    | 20.58                  |                     |          |  |  |
| 10                 | 64QAM      | 1       | 0         | 21.60                 | 21.61                    | 21.52                  | 22                  | 2        |  |  |
| 10                 | 64QAM      | 1       | 25        | 21.39                 | 21.56                    | 21.36                  |                     |          |  |  |
| 10                 | 64QAM      | 1       | 49        | 21.62                 | 21.65                    | 21.55                  | 21                  | 3        |  |  |
| 10                 | 64QAM      | 25      | 0         | 20.64                 | 20.58                    | 20.58                  |                     |          |  |  |
| 10                 | 64QAM      | 25      | 12        | 20.39                 | 20.54                    | 20.33                  | 21                  | 3        |  |  |
| 10                 | 64QAM      | 25      | 25        | 20.56                 | 20.66                    | 20.58                  |                     |          |  |  |
| 10                 | 64QAM      | 50      | 0         | 20.59                 | 20.73                    | 20.63                  | 19                  | 5        |  |  |
| 10                 | 256QAM     | 1       | 0         | 17.49                 | 17.58                    | 17.51                  |                     |          |  |  |
| 10                 | 256QAM     | 1       | 25        | 17.44                 | 17.45                    | 17.43                  | 19                  | 5        |  |  |
| 10                 | 256QAM     | 1       | 49        | 17.40                 | 17.59                    | 17.40                  |                     |          |  |  |
| 10                 | 256QAM     | 25      | 0         | 17.65                 | 17.69                    | 17.64                  | 19                  | 5        |  |  |
| 10                 | 256QAM     | 25      | 12        | 17.51                 | 17.53                    | 17.44                  |                     |          |  |  |
| 10                 | 256QAM     | 25      | 25        | 17.56                 | 17.73                    | 17.61                  | 19                  | 5        |  |  |
| 10                 | 256QAM     | 50      | 0         | 17.49                 | 17.64                    | 17.52                  |                     |          |  |  |
| Channel            |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)    |            |         |           | 2592.5                | 2595                     | 2617.5                 |                     |          |  |  |
| 5                  | QPSK       | 1       | 0         | 22.80                 | 22.79                    | 22.77                  | 24                  | 0        |  |  |
| 5                  | QPSK       | 1       | 12        | 22.60                 | 22.63                    | 22.59                  |                     |          |  |  |
| 5                  | QPSK       | 1       | 24        | 22.38                 | 22.54                    | 22.49                  | 23                  | 1        |  |  |
| 5                  | QPSK       | 12      | 0         | 21.50                 | 21.65                    | 21.48                  |                     |          |  |  |
| 5                  | QPSK       | 12      | 7         | 21.44                 | 21.54                    | 21.49                  | 23                  | 1        |  |  |
| 5                  | QPSK       | 12      | 13        | 21.61                 | 21.63                    | 21.52                  |                     |          |  |  |
| 5                  | QPSK       | 25      | 0         | 21.51                 | 21.58                    | 21.57                  | 23                  | 1        |  |  |
| 5                  | 16QAM      | 1       | 0         | 21.67                 | 21.77                    | 21.71                  |                     |          |  |  |
| 5                  | 16QAM      | 1       | 12        | 21.55                 | 21.66                    | 21.51                  | 23                  | 1        |  |  |
| 5                  | 16QAM      | 1       | 24        | 21.53                 | 21.61                    | 21.51                  |                     |          |  |  |
| 5                  | 16QAM      | 12      | 0         | 20.60                 | 20.71                    | 20.63                  | 22                  | 2        |  |  |
| 5                  | 16QAM      | 12      | 7         | 20.37                 | 20.52                    | 20.40                  |                     |          |  |  |
| 5                  | 16QAM      | 12      | 13        | 20.52                 | 20.58                    | 20.58                  | 22                  | 2        |  |  |
| 5                  | 16QAM      | 25      | 0         | 20.55                 | 20.66                    | 20.63                  |                     |          |  |  |
| 5                  | 64QAM      | 1       | 0         | 21.53                 | 21.66                    | 21.46                  | 22                  | 2        |  |  |
| 5                  | 64QAM      | 1       | 12        | 21.48                 | 21.48                    | 21.36                  |                     |          |  |  |
| 5                  | 64QAM      | 1       | 24        | 21.61                 | 21.61                    | 21.59                  | 21                  | 3        |  |  |
| 5                  | 64QAM      | 12      | 0         | 20.57                 | 20.66                    | 20.58                  |                     |          |  |  |
| 5                  | 64QAM      | 12      | 7         | 20.47                 | 20.42                    | 20.41                  | 21                  | 3        |  |  |
| 5                  | 64QAM      | 12      | 13        | 20.51                 | 20.56                    | 20.49                  |                     |          |  |  |
| 5                  | 64QAM      | 25      | 0         | 20.58                 | 20.63                    | 20.67                  | 19                  | 5        |  |  |
| 5                  | 256QAM     | 1       | 0         | 17.51                 | 17.62                    | 17.51                  |                     |          |  |  |
| 5                  | 256QAM     | 1       | 12        | 17.47                 | 17.51                    | 17.48                  | 19                  | 5        |  |  |
| 5                  | 256QAM     | 1       | 24        | 17.46                 | 17.53                    | 17.36                  |                     |          |  |  |
| 5                  | 256QAM     | 12      | 0         | 17.69                 | 17.81                    | 17.68                  | 19                  | 5        |  |  |
| 5                  | 256QAM     | 12      | 7         | 17.52                 | 17.55                    | 17.45                  |                     |          |  |  |
| 5                  | 256QAM     | 12      | 13        | 17.53                 | 17.68                    | 17.62                  | 19                  | 5        |  |  |
| 5                  | 256QAM     | 25      | 0         | 17.46                 | 17.60                    | 17.54                  |                     |          |  |  |

| Band 42 FCC Part27Q Ant3 DSI 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                        |            |         |           | 42190                       | 42590                          | 42990                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)                |            |         |           | 3460                        | 3500                           | 3540                         |                        |             |  |
| 20                             | QPSK       | 1       | 0         | 22.34                       | 22.48                          | 22.34                        | 23.4                   | 0           |  |
| 20                             | QPSK       | 1       | 49        | 22.15                       | 22.28                          | 22.16                        |                        |             |  |
| 20                             | QPSK       | 1       | 99        | 22.22                       | 22.36                          | 22.27                        |                        |             |  |
| 20                             | QPSK       | 50      | 0         | 21.85                       | 21.95                          | 21.85                        | 23                     | 0.4         |  |
| 20                             | QPSK       | 50      | 24        | 21.86                       | 21.94                          | 21.86                        |                        |             |  |
| 20                             | QPSK       | 50      | 50        | 21.69                       | 21.76                          | 21.63                        |                        |             |  |
| 20                             | QPSK       | 100     | 0         | 21.86                       | 22.00                          | 21.85                        | 23                     | 0.4         |  |
| 20                             | 16QAM      | 1       | 0         | 21.83                       | 22.02                          | 21.90                        |                        |             |  |
| 20                             | 16QAM      | 1       | 49        | 21.77                       | 21.93                          | 21.82                        |                        |             |  |
| 20                             | 16QAM      | 1       | 99        | 21.96                       | 22.03                          | 21.93                        | 22                     | 1.4         |  |
| 20                             | 16QAM      | 50      | 0         | 20.90                       | 21.01                          | 20.83                        |                        |             |  |
| 20                             | 16QAM      | 50      | 24        | 20.71                       | 20.78                          | 20.78                        |                        |             |  |
| 20                             | 16QAM      | 50      | 50        | 20.82                       | 20.95                          | 20.81                        | 22                     | 1.4         |  |
| 20                             | 16QAM      | 100     | 0         | 20.89                       | 21.02                          | 20.89                        |                        |             |  |
| 20                             | 64QAM      | 1       | 0         | 20.59                       | 20.70                          | 20.69                        |                        |             |  |
| 20                             | 64QAM      | 1       | 49        | 20.70                       | 20.77                          | 20.69                        | 21                     | 2.4         |  |
| 20                             | 64QAM      | 1       | 99        | 20.44                       | 20.58                          | 20.51                        |                        |             |  |
| 20                             | 64QAM      | 50      | 0         | 20.06                       | 20.15                          | 20.10                        |                        |             |  |
| 20                             | 64QAM      | 50      | 24        | 19.90                       | 19.95                          | 19.86                        | 19                     | 4.4         |  |
| 20                             | 64QAM      | 50      | 50        | 19.85                       | 19.92                          | 19.77                        |                        |             |  |
| 20                             | 64QAM      | 100     | 0         | 19.87                       | 19.97                          | 19.84                        |                        |             |  |
| 20                             | 256QAM     | 1       | 0         | 17.90                       | 18.01                          | 17.95                        | 19                     | 4.4         |  |
| 20                             | 256QAM     | 1       | 49        | 17.74                       | 17.87                          | 17.78                        |                        |             |  |
| 20                             | 256QAM     | 1       | 99        | 17.90                       | 17.94                          | 17.76                        |                        |             |  |
| 20                             | 256QAM     | 50      | 0         | 18.08                       | 18.19                          | 18.13                        | 19                     | 4.4         |  |
| 20                             | 256QAM     | 50      | 24        | 18.05                       | 18.14                          | 18.03                        |                        |             |  |
| 20                             | 256QAM     | 50      | 50        | 17.83                       | 18.07                          | 17.92                        |                        |             |  |
| 20                             | 256QAM     | 100     | 0         | 17.98                       | 18.02                          | 17.92                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                        |            |         |           | 42165                       | 42590                          | 43015                        |                        |             |  |
| Frequency (MHz)                |            |         |           | 3452.5                      | 3500                           | 3547.5                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 15                             | QPSK       | 1       | 0         | 22.23                       | 22.40                          | 22.24                        |                        | 23.4        |  |
| 15                             | QPSK       | 1       | 37        | 22.04                       | 22.16                          | 22.07                        |                        |             |  |
| 15                             | QPSK       | 1       | 74        | 22.06                       | 22.24                          | 22.15                        |                        |             |  |
| 15                             | QPSK       | 36      | 0         | 21.74                       | 21.92                          | 21.78                        | 23                     | 0.4         |  |
| 15                             | QPSK       | 36      | 20        | 21.76                       | 21.82                          | 21.75                        |                        |             |  |
| 15                             | QPSK       | 36      | 39        | 21.61                       | 21.66                          | 21.51                        |                        |             |  |
| 15                             | QPSK       | 75      | 0         | 21.70                       | 21.89                          | 21.79                        | 23                     | 0.4         |  |
| 15                             | 16QAM      | 1       | 0         | 21.72                       | 21.96                          | 21.82                        |                        |             |  |
| 15                             | 16QAM      | 1       | 37        | 21.69                       | 21.82                          | 21.66                        |                        |             |  |
| 15                             | 16QAM      | 1       | 74        | 21.85                       | 21.91                          | 21.81                        | 22                     | 1.4         |  |
| 15                             | 16QAM      | 36      | 0         | 20.77                       | 20.97                          | 20.78                        |                        |             |  |
| 15                             | 16QAM      | 36      | 20        | 20.85                       | 20.68                          | 20.70                        |                        |             |  |
| 15                             | 16QAM      | 36      | 39        | 20.68                       | 20.88                          | 20.75                        | 22                     | 1.4         |  |
| 15                             | 16QAM      | 75      | 0         | 20.81                       | 20.92                          | 20.78                        |                        |             |  |
| 15                             | 64QAM      | 1       | 0         | 20.48                       | 20.59                          | 20.62                        |                        |             |  |
| 15                             | 64QAM      | 1       | 37        | 20.63                       | 20.63                          | 20.63                        | 22                     | 1.4         |  |
| 15                             | 64QAM      | 1       | 74        | 20.36                       | 20.50                          | 20.43                        |                        |             |  |
| 15                             | 64QAM      | 36      | 0         | 19.93                       | 20.10                          | 19.99                        |                        |             |  |
| 15                             | 64QAM      | 36      | 20        | 19.74                       | 19.88                          | 19.73                        | 21                     | 2.4         |  |
| 15                             | 64QAM      | 36      | 39        | 19.76                       | 19.87                          | 19.66                        |                        |             |  |
| 15                             | 64QAM      | 75      | 0         | 19.81                       | 19.93                          | 19.70                        |                        |             |  |
| 15                             | 256QAM     | 1       | 0         | 17.77                       | 17.88                          | 17.86                        | 19                     | 4.4         |  |
| 15                             | 256QAM     | 1       | 37        | 17.66                       | 17.80                          | 17.70                        |                        |             |  |
| 15                             | 256QAM     | 1       | 74        | 17.79                       | 17.87                          | 17.64                        |                        |             |  |
| 15                             | 256QAM     | 36      | 0         | 18.00                       | 18.02                          | 18.08                        | 19                     | 4.4         |  |
| 15                             | 256QAM     | 36      | 20        | 17.90                       | 18.09                          | 17.95                        |                        |             |  |
| 15                             | 256QAM     | 36      | 39        | 17.76                       | 18.01                          | 17.85                        |                        |             |  |
| 15                             | 256QAM     | 75      | 0         | 17.84                       | 17.89                          | 17.85                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                        |            |         |           | 42140                       | 42590                          | 43040                        |                        |             |  |
| Frequency (MHz)                |            |         |           | 3455                        | 3500                           | 3545                         | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 10                             | QPSK       | 1       | 0         | 22.24                       | 22.39                          | 22.23                        |                        | 23.4        |  |
| 10                             | QPSK       | 1       | 25        | 22.03                       | 22.15                          | 22.07                        |                        |             |  |
| 10                             | QPSK       | 1       | 49        | 22.14                       | 22.19                          | 22.14                        |                        |             |  |
| 10                             | QPSK       | 25      | 0         | 21.77                       | 21.82                          | 21.75                        | 23                     | 0.4         |  |
| 10                             | QPSK       | 25      | 12        | 21.80                       | 21.84                          | 21.78                        |                        |             |  |
| 10                             | QPSK       | 25      | 25        | 21.59                       | 21.62                          | 21.53                        |                        |             |  |
| 10                             | QPSK       | 50      | 0         | 21.72                       | 21.87                          | 21.74                        | 23                     | 0.4         |  |
| 10                             | 16QAM      | 1       | 0         | 21.68                       | 21.90                          | 21.85                        |                        |             |  |
| 10                             | 16QAM      | 1       | 25        | 21.69                       | 21.87                          | 21.69                        |                        |             |  |
| 10                             | 16QAM      | 1       | 49        | 21.92                       | 21.95                          | 21.79                        | 22                     | 1.4         |  |
| 10                             | 16QAM      | 25      | 0         | 20.83                       | 20.86                          | 20.68                        |                        |             |  |
| 10                             | 16QAM      | 25      | 12        | 20.64                       | 20.66                          | 20.71                        |                        |             |  |
| 10                             | 16QAM      | 25      | 25        | 20.76                       | 20.80                          | 20.66                        | 22                     | 1.4         |  |
| 10                             | 16QAM      | 50      | 0         | 20.75                       | 20.91                          | 20.83                        |                        |             |  |
| 10                             | 64QAM      | 1       | 0         | 20.50                       | 20.55                          | 20.60                        |                        |             |  |
| 10                             | 64QAM      | 1       | 25        | 20.60                       | 20.72                          | 20.55                        | 22                     | 1.4         |  |
| 10                             | 64QAM      | 1       | 49        | 20.32                       | 20.49                          | 20.35                        |                        |             |  |
| 10                             | 64QAM      | 25      | 0         | 19.91                       | 20.10                          | 20.01                        |                        |             |  |
| 10                             | 64QAM      | 25      | 12        | 19.78                       | 19.90                          | 19.76                        | 21                     | 2.4         |  |
| 10                             | 64QAM      | 25      | 25        | 19.71                       | 19.87                          | 19.63                        |                        |             |  |
| 10                             | 64QAM      | 50      | 0         | 19.76                       | 19.91                          | 19.76                        |                        |             |  |
| 10                             | 256QAM     | 1       | 0         | 17.76                       | 17.92                          | 17.91                        | 19                     | 4.4         |  |
| 10                             | 256QAM     | 1       | 25        | 17.60                       | 17.71                          | 17.71                        |                        |             |  |
| 10                             | 256QAM     | 1       | 49        | 17.75                       | 17.79                          | 17.63                        |                        |             |  |
| 10                             | 256QAM     | 25      | 0         | 17.96                       | 18.05                          | 18.02                        | 19                     | 4.4         |  |
| 10                             | 256QAM     | 25      | 12        | 17.95                       | 18.00                          | 17.98                        |                        |             |  |
| 10                             | 256QAM     | 25      | 25        | 17.77                       | 17.96                          | 17.79                        |                        |             |  |
| 10                             | 256QAM     | 50      | 0         | 17.91                       | 17.87                          | 17.86                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                        |            |         |           | 42115                       | 42590                          | 43065                        |                        |             |  |
| Frequency (MHz)                |            |         |           | 3452.5                      | 3500                           | 3547.5                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 5                              | QPSK       | 1       | 0         | 22.31                       | 22.40                          | 22.16                        |                        | 23.4        |  |
| 5                              | QPSK       | 1       | 12        | 22.02                       | 22.20                          | 22.10                        |                        |             |  |
| 5                              | QPSK       | 1       | 24        | 22.15                       | 22.26                          | 22.20                        |                        |             |  |
| 5                              | QPSK       | 12      | 0         | 21.77                       | 21.89                          | 21.78                        | 23                     | 0.4         |  |
| 5                              | QPSK       | 12      | 7         | 21.72                       | 21.79                          | 21.71                        |                        |             |  |
| 5                              | QPSK       | 12      | 13        | 21.55                       | 21.67                          | 21.55                        |                        |             |  |
| 5                              | QPSK       | 25      | 0         | 21.82                       | 21.93                          | 21.76                        | 23                     | 0.4         |  |
| 5                              | 16QAM      | 1       | 0         | 21.72                       | 21.97                          | 21.83                        |                        |             |  |
| 5                              | 16QAM      | 1       | 12        | 21.84                       | 21.77                          | 21.66                        |                        |             |  |
| 5                              | 16QAM      | 1       | 24        | 21.85                       | 21.88                          | 21.82                        | 22                     | 1.4         |  |
| 5                              | 16QAM      | 12      | 0         | 20.81                       | 20.92                          | 20.67                        |                        |             |  |
| 5                              | 16QAM      | 12      | 7         | 20.64                       | 20.71                          | 20.71                        |                        |             |  |
| 5                              | 16QAM      | 12      | 13        | 20.77                       | 20.83                          | 20.67                        | 22                     | 1.4         |  |
| 5                              | 16QAM      | 25      | 0         | 20.75                       | 20.86                          | 20.84                        |                        |             |  |
| 5                              | 64QAM      | 1       | 0         | 20.47                       | 20.59                          | 20.64                        |                        |             |  |
| 5                              | 64QAM      | 1       | 12        | 20.57                       | 20.72                          | 20.54                        | 22                     | 1.4         |  |
| 5                              | 64QAM      | 1       | 24        | 20.34                       | 20.53                          | 20.43                        |                        |             |  |
| 5                              | 64QAM      | 12      | 0         | 19.93                       | 20.01                          | 20.04                        |                        |             |  |
| 5                              | 64QAM      | 12      | 7         | 19.82                       | 19.90                          | 19.76                        | 21                     | 2.4         |  |
| 5                              | 64QAM      | 12      | 13        | 19.79                       | 19.82                          | 19.64                        |                        |             |  |
| 5                              | 64QAM      | 25      | 0         | 19.81                       | 19.89                          | 19.76                        |                        |             |  |
| 5                              | 256QAM     | 1       | 0         | 17.79                       | 17.89                          | 17.82                        | 19                     | 4.4         |  |
| 5                              | 256QAM     | 1       | 12        | 17.58                       | 17.78                          | 17.73                        |                        |             |  |
| 5                              | 256QAM     | 1       | 24        | 17.78                       | 17.85                          | 17.64                        |                        |             |  |
| 5                              | 256QAM     | 12      | 0         | 17.94                       | 18.03                          | 17.99                        | 19                     | 4.4         |  |
| 5                              | 256QAM     | 12      | 7         | 17.91                       | 17.98                          | 17.92                        |                        |             |  |
| 5                              | 256QAM     | 12      | 13        | 17.74                       | 18.01                          | 17.86                        |                        |             |  |
| 5                              | 256QAM     | 25      | 0         | 17.88                       | 17.92                          | 17.81                        |                        |             |  |





## Reduced Power Mode for DSI7

| GSM850 And DSI7 |  |                           |       |       |                     |                           |       |       |                     |
|-----------------|--|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850          |  | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
| TX Channel      |  | 128                       | 189   | 251   |                     | 128                       | 189   | 251   |                     |
| Frequency (MHz) |  | 844.2                     | 846.4 | 848.6 |                     | 844.2                     | 846.4 | 848.6 |                     |
| GSM 1 Tx slot   |  | 31.76                     | 31.89 | 31.93 | 33.50               | 22.76                     | 22.89 | 22.93 | 24.50               |
| GPRS 1 Tx slot  |  | 31.74                     | 31.86 | 31.81 | 33.50               | 22.74                     | 22.86 | 22.81 | 24.50               |
| GPRS 2 Tx slots |  | 29.67                     | 29.83 | 29.78 | 31.00               | 23.67                     | 23.83 | 23.78 | 25.00               |
| GPRS 3 Tx slots |  | 27.63                     | 27.89 | 27.82 | 29.00               | 23.57                     | 23.63 | 23.56 | 24.74               |
| GPRS 4 Tx slots |  | 26.69                     | 26.73 | 26.74 | 27.50               | 23.69                     | 23.73 | 23.74 | 24.50               |
| EDGE 1 Tx slot  |  | 26.20                     | 26.17 | 26.15 | 27.00               | 17.20                     | 17.17 | 17.15 | 18.00               |
| EDGE 2 Tx slots |  | 25.43                     | 25.47 | 25.45 | 26.50               | 19.43                     | 19.47 | 19.45 | 20.50               |
| EDGE 3 Tx slots |  | 22.73                     | 22.76 | 22.74 | 24.00               | 19.47                     | 19.50 | 19.48 | 19.74               |
| EDGE 4 Tx slots |  | 20.07                     | 20.18 | 20.09 | 21.00               | 17.07                     | 17.18 | 17.09 | 19.00               |

| WCDMA V And DSI7              |         |       |       |                     |
|-------------------------------|---------|-------|-------|---------------------|
| Band                          | WCDMA V |       |       | Tune-up Limit (dBm) |
| TX Channel                    | 4132    | 4192  | 4233  |                     |
| Rx Channel                    | 4357    | 4407  | 4458  |                     |
| Frequency (MHz)               | 836.4   | 836.4 | 848.6 |                     |
| 3GPP Rel 99 AMR 12.2Kbps      | 22.58   | 22.61 | 22.56 | 24.00               |
| 3GPP Rel 99 RMC 12.2Kbps      | 22.82   | 22.85 | 22.57 | 24.00               |
| 3GPP Rel 6 HSDPA Subtest-1    | 21.62   | 21.64 | 21.58 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-2    | 21.57   | 21.59 | 21.57 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-3    | 21.18   | 21.18 | 21.01 | 22.50               |
| 3GPP Rel 6 HSDPA Subtest-4    | 21.00   | 21.12 | 21.08 | 22.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 21.63   | 21.71 | 21.51 | 23.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 21.59   | 21.63 | 21.54 | 23.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 21.13   | 21.27 | 20.97 | 22.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 21.11   | 21.19 | 20.98 | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-1    | 21.56   | 21.67 | 21.56 | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-2    | 19.59   | 19.70 | 19.63 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-3    | 20.53   | 20.60 | 20.54 | 22.00               |
| 3GPP Rel 6 HSUPA Subtest-4    | 19.65   | 19.73 | 19.46 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-5    | 21.59   | 21.59 | 21.62 | 23.00               |

| Band 5 Ant0 DSI 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           |            |         |           | 20450               | 20525                  | 20600                |                     |          |  |  |  |  |  |
| Frequency (MHz)   |            |         |           | 829                 | 836.5                  | 844                  |                     |          |  |  |  |  |  |
| 10                | QPSK       | 1       | 0         | 22.36               | 22.47                  | 22.41                | 24                  | 0        |  |  |  |  |  |
| 10                | QPSK       | 1       | 25        | 22.22               | 22.35                  | 22.32                |                     |          |  |  |  |  |  |
| 10                | QPSK       | 1       | 49        | 22.28               | 22.37                  | 22.34                |                     |          |  |  |  |  |  |
| 10                | QPSK       | 25      | 0         | 21.44               | 21.51                  | 21.48                |                     |          |  |  |  |  |  |
| 10                | QPSK       | 25      | 12        | 21.36               | 21.44                  | 21.38                |                     |          |  |  |  |  |  |
| 10                | QPSK       | 25      | 25        | 21.26               | 21.38                  | 21.33                | 23                  | 1        |  |  |  |  |  |
| 10                | QPSK       | 50      | 0         | 21.43               | 21.49                  | 21.41                |                     |          |  |  |  |  |  |
| 10                | 16QAM      | 1       | 0         | 21.70               | 21.85                  | 21.81                |                     |          |  |  |  |  |  |
| 10                | 16QAM      | 1       | 25        | 21.61               | 21.75                  | 21.74                |                     |          |  |  |  |  |  |
| 10                | 16QAM      | 1       | 49        | 21.62               | 21.76                  | 21.65                |                     |          |  |  |  |  |  |
| 10                | 16QAM      | 25      | 0         | 20.53               | 20.58                  | 20.51                | 22                  | 2        |  |  |  |  |  |
| 10                | 16QAM      | 25      | 12        | 20.37               | 20.46                  | 20.44                |                     |          |  |  |  |  |  |
| 10                | 16QAM      | 25      | 25        | 20.22               | 20.37                  | 20.37                |                     |          |  |  |  |  |  |
| 10                | 16QAM      | 50      | 0         | 20.47               | 20.52                  | 20.51                |                     |          |  |  |  |  |  |
| 10                | 64QAM      | 1       | 0         | 20.58               | 20.67                  | 20.67                |                     |          |  |  |  |  |  |
| 10                | 64QAM      | 1       | 25        | 20.34               | 20.51                  | 20.52                | 22                  | 2        |  |  |  |  |  |
| 10                | 64QAM      | 1       | 49        | 20.65               | 20.75                  | 20.74                |                     |          |  |  |  |  |  |
| 10                | 64QAM      | 25      | 0         | 19.41               | 19.57                  | 19.55                |                     |          |  |  |  |  |  |
| 10                | 64QAM      | 25      | 12        | 19.39               | 19.46                  | 19.39                |                     |          |  |  |  |  |  |
| 10                | 64QAM      | 25      | 25        | 19.37               | 19.52                  | 19.52                |                     |          |  |  |  |  |  |
| 10                | 256QAM     | 1       | 0         | 17.40               | 17.53                  | 17.43                | 19                  | 5        |  |  |  |  |  |
| 10                | 256QAM     | 1       | 25        | 17.26               | 17.43                  | 17.39                |                     |          |  |  |  |  |  |
| 10                | 256QAM     | 1       | 49        | 17.39               | 17.54                  | 17.48                |                     |          |  |  |  |  |  |
| 10                | 256QAM     | 25      | 0         | 17.51               | 17.59                  | 17.52                |                     |          |  |  |  |  |  |
| 10                | 256QAM     | 25      | 12        | 17.28               | 17.38                  | 17.29                |                     |          |  |  |  |  |  |
| 10                | 256QAM     | 25      | 25        | 17.30               | 17.41                  | 17.39                | 19                  | 5        |  |  |  |  |  |
| 10                | 256QAM     | 50      | 0         | 17.48               | 17.54                  | 17.46                |                     |          |  |  |  |  |  |
| Channel           |            |         |           | 829.5               | 836.5                  | 846.5                |                     |          |  |  |  |  |  |
| Frequency (MHz)   |            |         |           | 829.5               | 836.5                  | 846.5                |                     |          |  |  |  |  |  |
| 5                 | QPSK       | 1       | 0         | 22.27               | 22.31                  | 22.34                | 24                  | 0        |  |  |  |  |  |
| 5                 | QPSK       | 1       | 12        | 22.11               | 22.24                  | 22.21                |                     |          |  |  |  |  |  |
| 5                 | QPSK       | 1       | 24        | 22.23               | 22.21                  | 22.26                |                     |          |  |  |  |  |  |
| 5                 | QPSK       | 12      | 0         | 21.33               | 21.38                  | 21.38                |                     |          |  |  |  |  |  |
| 5                 | QPSK       | 12      | 7         | 21.32               | 21.38                  | 21.31                |                     |          |  |  |  |  |  |
| 5                 | QPSK       | 12      | 13        | 21.14               | 21.25                  | 21.23                | 23                  | 1        |  |  |  |  |  |
| 5                 | QPSK       | 25      | 0         | 21.22               | 21.44                  | 21.53                |                     |          |  |  |  |  |  |
| 5                 | 16QAM      | 1       | 0         | 21.64               | 21.81                  | 21.69                |                     |          |  |  |  |  |  |
| 5                 | 16QAM      | 1       | 12        | 21.49               | 21.62                  | 21.68                |                     |          |  |  |  |  |  |
| 5                 | 16QAM      | 1       | 24        | 21.49               | 21.71                  | 21.58                |                     |          |  |  |  |  |  |
| 5                 | 16QAM      | 12      | 0         | 20.43               | 20.48                  | 20.37                | 22                  | 2        |  |  |  |  |  |
| 5                 | 16QAM      | 12      | 7         | 20.30               | 20.36                  | 20.38                |                     |          |  |  |  |  |  |
| 5                 | 16QAM      | 12      | 13        | 20.26               | 20.35                  | 20.35                |                     |          |  |  |  |  |  |
| 5                 | 16QAM      | 25      | 0         | 20.38               | 20.40                  | 20.35                |                     |          |  |  |  |  |  |
| 5                 | 64QAM      | 1       | 0         | 20.53               | 20.56                  | 20.56                |                     |          |  |  |  |  |  |
| 5                 | 64QAM      | 1       | 12        | 20.26               | 20.40                  | 20.41                | 22                  | 2        |  |  |  |  |  |
| 5                 | 64QAM      | 1       | 24        | 20.52               | 20.64                  | 20.61                |                     |          |  |  |  |  |  |
| 5                 | 64QAM      | 12      | 0         | 19.27               | 19.48                  | 19.44                |                     |          |  |  |  |  |  |
| 5                 | 64QAM      | 12      | 7         | 19.25               | 19.39                  | 19.32                |                     |          |  |  |  |  |  |
| 5                 | 64QAM      | 12      | 13        | 19.30               | 19.48                  | 19.39                |                     |          |  |  |  |  |  |
| 5                 | 64QAM      | 25      | 0         | 19.30               | 19.38                  | 19.37                | 19                  | 5        |  |  |  |  |  |
| 5                 | 256QAM     | 1       | 0         | 17.31               | 17.43                  | 17.34                |                     |          |  |  |  |  |  |
| 5                 | 256QAM     | 1       | 12        | 17.21               | 17.32                  | 17.28                |                     |          |  |  |  |  |  |
| 5                 | 256QAM     | 1       | 24        | 17.23               | 17.43                  | 17.42                |                     |          |  |  |  |  |  |
| 5                 | 256QAM     | 12      | 0         | 17.37               | 17.48                  | 17.40                |                     |          |  |  |  |  |  |
| 5                 | 256QAM     | 12      | 7         | 17.22               | 17.23                  | 17.14                | 19                  | 5        |  |  |  |  |  |
| 5                 | 256QAM     | 12      | 13        | 17.18               | 17.34                  | 17.33                |                     |          |  |  |  |  |  |
| 5                 | 256QAM     | 25      | 0         | 17.37               | 17.46                  | 17.40                |                     |          |  |  |  |  |  |
| Channel           |            |         |           | 20415               | 20525                  | 20635                |                     |          |  |  |  |  |  |
| Frequency (MHz)   |            |         |           | 825.5               | 836.5                  | 847.5                |                     |          |  |  |  |  |  |
| 3                 | QPSK       | 1       | 0         | 22.21               | 22.30                  | 22.28                | 24                  | 0        |  |  |  |  |  |
| 3                 | QPSK       | 1       | 8         | 22.17               | 22.30                  | 22.17                |                     |          |  |  |  |  |  |
| 3                 | QPSK       | 1       | 14        | 22.21               | 22.24                  | 22.20                |                     |          |  |  |  |  |  |
| 3                 | QPSK       | 8       | 0         | 21.40               | 21.44                  | 21.42                |                     |          |  |  |  |  |  |
| 3                 | QPSK       | 8       | 4         | 21.51               | 21.29                  | 21.23                |                     |          |  |  |  |  |  |
| 3                 | QPSK       | 8       | 7         | 21.26               | 21.28                  | 21.24                | 23                  | 1        |  |  |  |  |  |
| 3                 | QPSK       | 15      | 0         | 21.33               | 21.37                  | 21.29                |                     |          |  |  |  |  |  |
| 3                 | 16QAM      | 1       | 0         | 21.58               | 21.71                  | 21.76                |                     |          |  |  |  |  |  |
| 3                 | 16QAM      | 1       | 8         | 21.47               | 21.65                  | 21.68                |                     |          |  |  |  |  |  |
| 3                 | 16QAM      | 1       | 14        | 21.49               | 21.71                  | 21.56                |                     |          |  |  |  |  |  |
| 3                 | 16QAM      | 8       | 0         | 20.45               | 20.47                  | 20.41                | 22                  | 2        |  |  |  |  |  |
| 3                 | 16QAM      | 8       | 7         | 20.30               | 20.34                  | 20.32                |                     |          |  |  |  |  |  |
| 3                 | 16QAM      | 8       | 7         | 20.17               | 20.22                  | 20.32                |                     |          |  |  |  |  |  |
| 3                 | 16QAM      | 15      | 0         | 20.34               | 20.44                  | 20.47                |                     |          |  |  |  |  |  |
| 3                 | 64QAM      | 1       | 0         | 20.51               | 20.54                  | 20.60                |                     |          |  |  |  |  |  |
| 3                 | 64QAM      | 1       | 8         | 20.29               | 20.39                  | 20.38                | 22                  | 2        |  |  |  |  |  |
| 3                 | 64QAM      | 1       | 14        | 20.58               | 20.62                  | 20.66                |                     |          |  |  |  |  |  |
| 3                 | 64QAM      | 8       | 0         | 19.35               | 19.50                  | 19.39                |                     |          |  |  |  |  |  |
| 3                 | 64QAM      | 8       | 4         | 19.34               | 19.42                  | 19.27                |                     |          |  |  |  |  |  |
| 3                 | 64QAM      | 8       | 7         | 19.27               | 19.43                  | 19.40                |                     |          |  |  |  |  |  |
| 3                 | 64QAM      | 15      | 0         | 19.26               | 19.40                  | 19.41                | 19                  | 5        |  |  |  |  |  |
| 3                 | 256QAM     | 1       | 0         | 17.29               | 17.40                  | 17.39                |                     |          |  |  |  |  |  |
| 3                 | 256QAM     | 1       | 8         | 17.13               | 17.31                  | 17.27                |                     |          |  |  |  |  |  |
| 3                 | 256QAM     | 1       | 14        | 17.24               | 17.42                  | 17.33                |                     |          |  |  |  |  |  |
| 3                 | 256QAM     | 8       | 0         | 17.39               | 17.47                  | 17.47                |                     |          |  |  |  |  |  |
| 3                 | 256QAM     | 8       | 4         | 17.21               | 17.30                  | 17.16                | 19                  | 5        |  |  |  |  |  |
| 3                 | 256QAM     | 8       | 7         | 17.16               | 17.32                  | 17.32                |                     |          |  |  |  |  |  |
| 3                 | 256QAM     | 15      | 0         | 17.30               | 17.40                  | 17.36                |                     |          |  |  |  |  |  |
| Channel           |            |         |           | 20407               | 20525                  | 20643                |                     |          |  |  |  |  |  |
| Frequency (MHz)   |            |         |           | 824.7               | 836.5                  | 848.3                |                     |          |  |  |  |  |  |
| 1.4               | QPSK       | 1       | 0         | 22.25               | 22.35                  | 22.33                | 24                  | 0        |  |  |  |  |  |
| 1.4               | QPSK       | 1       | 3         | 22.13               | 22.29                  | 22.26                |                     |          |  |  |  |  |  |
| 1.4               | QPSK       | 1       | 5         | 22.23               | 22.26                  | 22.22                |                     |          |  |  |  |  |  |
| 1.4               | QPSK       | 3       | 0         | 22.20               | 22.30                  | 22.23                |                     |          |  |  |  |  |  |
| 1.4               | QPSK       | 3       | 1         | 22.16               | 22.31                  | 22.21                |                     |          |  |  |  |  |  |
| 1.4               | QPSK       | 3       | 3         | 22.20               | 22.30                  | 22.23                | 23                  | 1        |  |  |  |  |  |
| 1.4               | QPSK       | 6       | 0         | 21.33               | 21.35                  | 21.25                |                     |          |  |  |  |  |  |
| 1.4               | 16QAM      | 1       | 0         | 21.62               | 21.73                  | 21.70                |                     |          |  |  |  |  |  |
| 1.4               | 16QAM      | 1       | 3         | 21.50               | 21.64                  | 21.62                |                     |          |  |  |  |  |  |
| 1.4               | 16QAM      | 1       | 5         | 21.50               | 21.68                  | 21.54                |                     |          |  |  |  |  |  |
| 1.4               | 16QAM      | 3       | 0         | 21.30               | 21.32                  | 21.26                | 22                  | 2        |  |  |  |  |  |
| 1.4               | 16QAM      | 3       | 1         | 21.57               | 21.72                  | 21.65                |                     |          |  |  |  |  |  |
| 1.4               | 16QAM      | 3       | 3         | 21.55               | 21.66                  | 21.65                |                     |          |  |  |  |  |  |
| 1.4               | 16QAM      | 6       | 0         | 21.56               | 21.72                  | 21.57                |                     |          |  |  |  |  |  |
| 1.4               | 64QAM      | 1       | 0         | 20.54               | 20.56                  | 20.62                |                     |          |  |  |  |  |  |
| 1.4               | 64QAM      | 1       | 3         | 20.22               | 20.42                  | 20.41                | 22                  | 2        |  |  |  |  |  |
| 1.4               | 64QAM      | 1       | 5         | 20.53               | 20.68                  | 20.62                |                     |          |  |  |  |  |  |
| 1.4               | 64QAM      | 3       | 0         | 20.58               | 20.51                  | 20.65                |                     |          |  |  |  |  |  |
| 1.4               | 64QAM      | 3       | 1         | 20.28               | 20.47                  | 20.40                |                     |          |  |  |  |  |  |
| 1.4               | 64QAM      | 3       | 3         | 20.57               | 20.72                  | 20.62                |                     |          |  |  |  |  |  |
| 1.4               | 256QAM     | 1       | 0         | 19.30               | 19.40                  | 19.40                | 21                  | 3        |  |  |  |  |  |
| 1.4               | 256QAM     | 1       | 3         | 17.32               | 17.41                  | 17.34                |                     |          |  |  |  |  |  |
| 1.4               | 256QAM     | 1       | 5         | 17.30               | 17.50                  | 17.33                |                     |          |  |  |  |  |  |
| 1.4               | 256QAM     | 3       | 0         | 17.47               | 17.47                  | 17.47                |                     |          |  |  |  |  |  |
| 1.4               | 256QAM     | 3       | 1         | 17.21               | 17.52                  | 17.29                | 19                  | 5        |  |  |  |  |  |
| 1.4               | 256QAM     | 3       | 3         | 17.24               | 17.33                  | 17.34                |                     |          |  |  |  |  |  |
| 1.4               | 256QAM     | 6       | 0         | 17.34               | 17.44                  | 17.31                |                     |          |  |  |  |  |  |

| Band 17 Ant0 DSI 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            |            |         |           |                     |                        |                      |                     |          |       |
| Frequency (MHz)    |            |         |           |                     |                        |                      | 709                 | 710      | 711   |
| 10                 | QPSK       | 1       | 0         | 22.39               | 22.42                  | 22.40                | 24                  | 0        |       |
| 10                 | QPSK       | 1       | 25        | 22.20               | 22.26                  | 22.18                |                     |          |       |
| 10                 | QPSK       | 1       | 49        | 22.16               | 22.31                  | 22.23                |                     |          |       |
| 10                 | QPSK       | 25      | 0         | 21.36               | 21.41                  | 21.31                |                     |          |       |
| 10                 | QPSK       | 25      | 12        | 21.17               | 21.28                  | 21.20                | 23                  | 1        |       |
| 10                 | QPSK       | 25      | 25        | 21.27               | 21.36                  | 21.26                |                     |          |       |
| 10                 | QPSK       | 50      | 0         | 21.18               | 21.30                  | 21.22                |                     |          |       |
| 10                 | 16QAM      | 1       | 0         | 21.46               | 21.61                  | 21.45                |                     |          |       |
| 10                 | 16QAM      | 1       | 25        | 21.30               | 21.41                  | 21.31                | 23                  | 1        |       |
| 10                 | 16QAM      | 1       | 49        | 21.30               | 21.43                  | 21.35                |                     |          |       |
| 10                 | 16QAM      | 25      | 0         | 20.31               | 20.44                  | 20.36                |                     |          |       |
| 10                 | 16QAM      | 25      | 12        | 20.43               | 20.49                  | 20.40                |                     |          |       |
| 10                 | 16QAM      | 25      | 25        | 20.40               | 20.52                  | 20.46                | 22                  | 2        |       |
| 10                 | 16QAM      | 50      | 0         | 20.21               | 20.33                  | 20.23                |                     |          |       |
| 10                 | 64QAM      | 1       | 0         | 20.33               | 20.46                  | 20.34                |                     |          |       |
| 10                 | 64QAM      | 1       | 25        | 20.28               | 20.38                  | 20.33                |                     |          |       |
| 10                 | 64QAM      | 1       | 49        | 20.27               | 20.43                  | 20.29                | 22                  | 2        |       |
| 10                 | 64QAM      | 25      | 0         | 19.45               | 19.51                  | 19.45                |                     |          |       |
| 10                 | 64QAM      | 25      | 12        | 19.17               | 19.27                  | 19.16                |                     |          |       |
| 10                 | 64QAM      | 25      | 25        | 19.34               | 19.43                  | 19.29                |                     |          |       |
| 10                 | 64QAM      | 50      | 0         | 19.24               | 19.38                  | 19.30                | 21                  | 3        |       |
| 10                 | 256QAM     | 1       | 0         | 17.39               | 17.54                  | 17.47                |                     |          |       |
| 10                 | 256QAM     | 1       | 25        | 17.11               | 17.24                  | 17.20                |                     |          |       |
| 10                 | 256QAM     | 1       | 49        | 17.32               | 17.46                  | 17.35                |                     |          |       |
| 10                 | 256QAM     | 25      | 0         | 17.17               | 17.33                  | 17.20                | 19                  | 5        |       |
| 10                 | 256QAM     | 25      | 12        | 17.10               | 17.23                  | 17.15                |                     |          |       |
| 10                 | 256QAM     | 25      | 25        | 17.39               | 17.47                  | 17.43                |                     |          |       |
| 10                 | 256QAM     | 50      | 0         | 17.26               | 17.41                  | 17.29                |                     |          |       |
| Channel            |            |         |           |                     |                        |                      | 23755               | 23790    | 23825 |
| Frequency (MHz)    |            |         |           |                     |                        |                      | 706.5               | 710      | 713.5 |
| 5                  | QPSK       | 1       | 0         | 22.27               | 22.37                  | 22.33                | 24                  | 0        |       |
| 5                  | QPSK       | 1       | 12        | 22.05               | 22.16                  | 22.08                |                     |          |       |
| 5                  | QPSK       | 1       | 24        | 22.01               | 22.15                  | 22.16                |                     |          |       |
| 5                  | QPSK       | 12      | 0         | 21.29               | 21.29                  | 21.18                |                     |          |       |
| 5                  | QPSK       | 12      | 7         | 21.06               | 21.12                  | 21.15                | 23                  | 1        |       |
| 5                  | QPSK       | 12      | 13        | 21.23               | 21.22                  | 21.20                |                     |          |       |
| 5                  | QPSK       | 25      | 0         | 21.06               | 21.16                  | 21.10                |                     |          |       |
| 5                  | 16QAM      | 1       | 0         | 21.34               | 21.57                  | 21.41                |                     |          |       |
| 5                  | 16QAM      | 1       | 12        | 21.14               | 21.28                  | 21.15                | 23                  | 1        |       |
| 5                  | 16QAM      | 1       | 24        | 21.20               | 21.32                  | 21.33                |                     |          |       |
| 5                  | 16QAM      | 12      | 0         | 20.22               | 20.33                  | 20.22                |                     |          |       |
| 5                  | 16QAM      | 12      | 7         | 20.39               | 20.39                  | 20.33                |                     |          |       |
| 5                  | 16QAM      | 12      | 13        | 20.29               | 20.40                  | 20.36                | 22                  | 2        |       |
| 5                  | 16QAM      | 25      | 0         | 20.14               | 20.28                  | 20.10                |                     |          |       |
| 5                  | 64QAM      | 1       | 0         | 20.17               | 20.41                  | 20.20                |                     |          |       |
| 5                  | 64QAM      | 1       | 12        | 20.17               | 20.26                  | 20.16                |                     |          |       |
| 5                  | 64QAM      | 1       | 24        | 20.17               | 20.38                  | 20.14                | 22                  | 2        |       |
| 5                  | 64QAM      | 12      | 0         | 19.35               | 19.37                  | 19.26                |                     |          |       |
| 5                  | 64QAM      | 12      | 7         | 19.10               | 19.22                  | 19.10                |                     |          |       |
| 5                  | 64QAM      | 12      | 13        | 19.28               | 19.27                  | 19.17                |                     |          |       |
| 5                  | 64QAM      | 25      | 0         | 19.20               | 19.28                  | 19.25                | 21                  | 3        |       |
| 5                  | 256QAM     | 1       | 0         | 17.29               | 17.46                  | 17.33                |                     |          |       |
| 5                  | 256QAM     | 1       | 12        | 17.03               | 17.19                  | 17.06                |                     |          |       |
| 5                  | 256QAM     | 1       | 24        | 17.27               | 17.41                  | 17.31                |                     |          |       |
| 5                  | 256QAM     | 12      | 0         | 17.06               | 17.29                  | 17.09                | 19                  | 5        |       |
| 5                  | 256QAM     | 12      | 7         | 17.02               | 17.09                  | 17.04                |                     |          |       |
| 5                  | 256QAM     | 12      | 13        | 17.30               | 17.39                  | 17.29                |                     |          |       |
| 5                  | 256QAM     | 25      | 0         | 17.20               | 17.34                  | 17.17                |                     |          |       |

| Band 26 for FCC Ant0 DSI 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                    |            |         |           |                     |                        |                      |                     |          |       |       |
| Frequency (MHz)            |            |         |           |                     |                        |                      | 831.5               | 831.5    | 841.5 |       |
| 15                         | QPSK       | 1       | 0         | 22.19               | 22.38                  | 22.25                | 24                  | 0        |       |       |
| 15                         | QPSK       | 1       | 37        | 22.05               | 22.17                  | 22.10                |                     |          |       |       |
| 15                         | QPSK       | 1       | 74        | 22.15               | 22.21                  | 22.13                |                     |          |       |       |
| 15                         | QPSK       | 36      | 0         | 21.40               | 21.46                  | 21.41                |                     |          |       |       |
| 15                         | QPSK       | 36      | 20        | 21.24               | 21.31                  | 21.26                | 23                  | 1        |       |       |
| 15                         | QPSK       | 36      | 39        | 21.27               | 21.41                  | 21.37                |                     |          |       |       |
| 15                         | QPSK       | 75      | 0         | 21.28               | 21.35                  | 21.26                |                     |          |       |       |
| 15                         | 16QAM      | 1       | 0         | 21.27               | 21.38                  | 21.31                |                     |          |       |       |
| 15                         | 16QAM      | 1       | 37        | 21.19               | 21.26                  | 21.14                | 23                  | 1        |       |       |
| 15                         | 16QAM      | 1       | 74        | 21.40               | 21.45                  | 21.29                |                     |          |       |       |
| 15                         | 16QAM      | 36      | 0         | 20.41               | 20.52                  | 20.42                |                     |          |       |       |
| 15                         | 16QAM      | 36      | 20        | 20.34               | 20.43                  | 20.34                |                     |          |       |       |
| 15                         | 16QAM      | 36      | 39        | 20.22               | 20.31                  | 20.20                | 22                  | 2        |       |       |
| 15                         | 16QAM      | 75      | 0         | 20.35               | 20.46                  | 20.36                |                     |          |       |       |
| 15                         | 64QAM      | 1       | 0         | 20.37               | 20.43                  | 20.39                |                     |          |       |       |
| 15                         | 64QAM      | 1       | 37        | 20.16               | 20.28                  | 20.12                |                     |          |       |       |
| 15                         | 64QAM      | 1       | 74        | 20.26               | 20.36                  | 20.24                | 22                  | 2        |       |       |
| 15                         | 64QAM      | 36      | 0         | 19.35               | 19.48                  | 19.41                |                     |          |       |       |
| 15                         | 64QAM      | 36      | 20        | 19.11               | 19.21                  | 19.13                |                     |          |       |       |
| 15                         | 64QAM      | 36      | 39        | 19.28               | 19.38                  | 19.29                |                     |          |       |       |
| 15                         | 64QAM      | 75      | 0         | 19.39               | 19.47                  | 19.39                | 21                  | 3        |       |       |
| 15                         | 256QAM     | 1       | 0         | 17.36               | 17.43                  | 17.37                |                     |          |       |       |
| 15                         | 256QAM     | 1       | 37        | 17.23               | 17.29                  | 17.25                |                     |          |       |       |
| 15                         | 256QAM     | 1       | 74        | 17.26               | 17.36                  | 17.29                |                     |          |       |       |
| 15                         | 256QAM     | 36      | 0         | 17.45               | 17.55                  | 17.45                | 19                  | 5        |       |       |
| 15                         | 256QAM     | 36      | 20        | 17.37               | 17.42                  | 17.34                |                     |          |       |       |
| 15                         | 256QAM     | 36      | 39        | 17.23               | 17.38                  | 17.26                |                     |          |       |       |
| 15                         | 256QAM     | 75      | 0         | 17.38               | 17.51                  | 17.42                |                     |          |       |       |
| Channel                    |            |         |           |                     |                        |                      | 26740               | 26665    |       | 26990 |
| Frequency (MHz)            |            |         |           |                     |                        |                      | 819                 | 831.5    |       | 844   |
| 10                         | QPSK       | 1       | 0         | 22.10               | 22.22                  | 22.19                | 24                  | 0        |       |       |
| 10                         | QPSK       | 1       | 25        | 22.04               | 22.04                  | 22.01                |                     |          |       |       |
| 10                         | QPSK       | 1       | 49        | 22.05               | 22.06                  | 22.11                |                     |          |       |       |
| 10                         | QPSK       | 25      | 0         | 21.27               | 21.37                  | 21.25                |                     |          |       |       |
| 10                         | QPSK       | 25      | 12        | 21.09               | 21.25                  | 21.14                | 23                  | 1        |       |       |
| 10                         | QPSK       | 25      | 25        | 21.16               | 21.29                  | 21.31                |                     |          |       |       |
| 10                         | QPSK       | 50      | 0         | 21.13               | 21.24                  | 21.16                |                     |          |       |       |
| 10                         | 16QAM      | 1       | 0         | 21.18               | 21.27                  | 21.22                |                     |          |       |       |
| 10                         | 16QAM      | 1       | 25        | 21.13               | 21.14                  | 21.02                | 23                  | 1        |       |       |
| 10                         | 16QAM      | 1       | 49        | 21.30               | 21.37                  | 21.16                |                     |          |       |       |
| 10                         | 16QAM      | 25      | 0         | 20.31               | 20.45                  | 20.33                |                     |          |       |       |
| 10                         | 16QAM      | 25      | 12        | 20.20               | 20.31                  | 20.26                |                     |          |       |       |
| 10                         | 16QAM      | 50      | 0         | 20.18               | 20.24                  | 20.12                | 22                  | 2        |       |       |
| 10                         | 16QAM      | 50      | 0         | 20.23               | 20.30                  | 20.27                |                     |          |       |       |
| 10                         | 64QAM      | 1       | 0         | 20.28               | 20.31                  | 20.31                |                     |          |       |       |
| 10                         | 64QAM      | 1       | 25        | 20.00               | 20.13                  | 20.06                |                     |          |       |       |
| 10                         | 64QAM      | 1       | 49        | 20.22               | 20.22                  | 20.11                | 22                  | 2        |       |       |
| 10                         | 64QAM      | 25      | 0         | 19.25               | 19.41                  | 19.30                |                     |          |       |       |
| 10                         | 64QAM      | 25      | 12        | 19.21               | 19.11                  | 19.11                |                     |          |       |       |
| 10                         | 64QAM      | 25      | 25        | 19.15               | 19.29                  | 19.23                |                     |          |       |       |
| 10                         | 64QAM      | 50      | 0         | 19.32               | 19.43                  | 19.32                | 21                  | 3        |       |       |
| 10                         | 256QAM     | 1       | 0         | 17.26               | 17.28                  | 17.23                |                     |          |       |       |
| 10                         | 256QAM     | 1       | 25        | 17.09               | 17.16                  | 17.14                |                     |          |       |       |
| 10                         | 256QAM     | 1       | 49        | 17.12               | 17.31                  | 17.18                |                     |          |       |       |
| 10                         | 256QAM     | 25      | 0         | 17.32               | 17.43                  | 17.41                | 19                  | 5        |       |       |
| 10                         | 256QAM     | 25      | 12        | 17.24               | 17.28                  | 17.21                |                     |          |       |       |
| 10                         | 256QAM     | 25      | 25        | 17.15               | 17.33                  | 17.15                |                     |          |       |       |
| 10                         | 256QAM     | 50      | 0         | 17.32               | 17.40                  | 17.26                |                     |          |       |       |
| Channel                    |            |         |           |                     |                        |                      | 26715               | 26665    |       | 27075 |
| Frequency (MHz)            |            |         |           |                     |                        |                      | 818.5               | 831.5    |       | 846.5 |
| 5                          | QPSK       | 1       | 0         | 22.14               | 22.22                  | 22.15                | 24                  | 0        |       |       |
| 5                          | QPSK       | 1       | 12        | 22.03               | 22.11                  | 22.0                 |                     |          |       |       |
| 5                          | QPSK       | 1       | 24        | 22.06               | 22.09                  | 22.01                |                     |          |       |       |
| 5                          | QPSK       | 12      | 0         | 21.35               | 21.38                  | 21.26                |                     |          |       |       |
| 5                          | QPSK       | 12      | 7         | 21.20               | 21.24                  | 21.18                | 23                  | 1        |       |       |
| 5                          | QPSK       | 12      | 13        | 21.15               | 21.35                  | 21.28                |                     |          |       |       |
| 5                          | QPSK       | 25      | 0         | 21.16               | 21.27                  | 21.12                |                     |          |       |       |
| 5                          | 16QAM      | 1       | 0         | 21.14               | 21.31                  | 21.22                |                     |          |       |       |
| 5                          | 16QAM      | 1       | 12        | 21.06               | 21.15                  | 21.03                | 23                  | 1        |       |       |
| 5                          | 16QAM      | 1       | 24        | 21.35               | 21.30                  | 21.23                |                     |          |       |       |
| 5                          | 16QAM      | 12      | 0         | 20.33               | 20.39                  | 20.32                |                     |          |       |       |
| 5                          | 16QAM      | 12      | 7         | 20.21               | 20.33                  | 20.28                |                     |          |       |       |
| 5                          | 16QAM      | 25      | 0         | 20.16               | 20.27                  | 20.19                | 22                  | 2        |       |       |
| 5                          | 16QAM      | 25      | 0         | 20.22               | 20.33                  | 20.30                |                     |          |       |       |
| 5                          | 64QAM      | 1       | 0         | 20.30               | 20.37                  | 20.34                |                     |          |       |       |
| 5                          | 64QAM      | 1       | 12        | 20.08               | 20.13                  | 20.10                |                     |          |       |       |
| 5                          | 64QAM      | 1       | 24        | 20.12               | 20.31                  | 20.18                | 22                  | 2        |       |       |
| 5                          | 64QAM      | 12      | 0         | 19.30               | 19.36                  | 19.32                |                     |          |       |       |
| 5                          | 64QAM      | 12      | 7         | 19.03               | 19.14                  | 19.01                |                     |          |       |       |
| 5                          | 64QAM      | 12      | 13        | 19.13               | 19.26                  | 19.16                |                     |          |       |       |
| 5                          | 64QAM      | 25      | 0         | 19.29               | 19.43                  | 19.23                | 21                  | 3        |       |       |
| 5                          | 256QAM     | 1       | 0         | 17.21               | 17.36                  | 17.22                |                     |          |       |       |
| 5                          | 256QAM     | 1       | 12        | 17.09               | 17.18                  | 17.17                |                     |          |       |       |
| 5                          | 256QAM     | 1       | 24        | 17.16               | 17.27                  | 17.21                |                     |          |       |       |
| 5                          | 256QAM     | 12      | 0         | 17.31               | 17.45                  | 17.34                | 19                  | 5        |       |       |
| 5                          | 256QAM     | 12      | 7         | 17.28               | 17.29                  | 17.21                |                     |          |       |       |
| 5                          | 256QAM     | 12      | 13        | 17.09               | 17.32                  | 17.21                |                     |          |       |       |
| 5                          | 256QAM     | 25      | 0         | 17.30               | 17.42                  | 17.27                |                     |          |       |       |
| Channel                    |            |         |           |                     |                        |                      | 26697               | 26665    |       | 27003 |
| Frequency (MHz)            |            |         |           |                     |                        |                      | 815.5               | 831.5    |       | 847.5 |
| 3                          | QPSK       | 1       | 0         | 22.05               | 22.23                  | 22.09                | 24                  | 0        |       |       |
| 3                          | QPSK       | 1       | 8         | 22.04               | 22.11                  | 22.02                |                     |          |       |       |
| 3                          | QPSK       | 1       | 14        | 22.02               | 22.07                  | 22.04                |                     |          |       |       |
| 3                          | QPSK       | 8       | 0         | 21.31               | 21.30                  | 21.32                |                     |          |       |       |
| 3                          | QPSK       | 8       | 4         | 21.09               | 21.07                  | 21.12                | 23                  | 1        |       |       |
| 3                          | QPSK       | 8       | 7         | 21.17               | 21.21                  | 21.25                |                     |          |       |       |
| 3                          | QPSK       | 15      | 0         | 21.18               | 21.22                  | 21.16                |                     |          |       |       |
| 3                          | 16QAM      | 1       | 0         | 21.15               | 21.28                  | 21.21                |                     |          |       |       |
| 3                          | 16QAM      | 1       | 8         | 21.15               | 21.18                  | 21.22                | 23                  | 1        |       |       |
| 3                          | 16QAM      | 1       | 14        | 21.34               | 21.40                  | 21.21                |                     |          |       |       |
| 3                          | 16QAM      | 8       | 0         | 20.27               | 20.40                  | 20.38                |                     |          |       |       |
| 3                          | 16QAM      | 8       | 4         | 20.26               | 20.38                  | 20.30                |                     |          |       |       |
| 3                          | 16QAM      | 8       | 7         | 20.06               | 20.21                  | 20.12                | 22                  | 2        |       |       |
| 3                          | 16QAM      | 15      | 0         | 20.25               | 20.31                  | 20.31                |                     |          |       |       |
| 3                          | 64QAM      | 1       | 0         | 20.26               | 20.37                  | 20.25                |                     |          |       |       |
| 3                          | 64QAM      | 1       | 8         | 20.09               | 20.18                  | 20.21                |                     |          |       |       |
| 3                          | 64QAM      | 1       | 14        | 20.13               | 20.23                  | 20.09                | 22                  | 2        |       |       |
| 3                          | 64QAM      | 8       | 0         | 19.25               | 19.36                  | 19.27                |                     |          |       |       |
| 3                          | 64QAM      | 8       | 4         | 19.11               | 19.12                  | 19.03                |                     |          |       |       |
| 3                          | 64QAM      | 8       | 7         | 19.16               | 19.33                  | 19.18                |                     |          |       |       |
| 3                          | 64QAM      | 15      | 0         | 19.32               | 19.37                  | 19.32                | 21                  | 3        |       |       |
| 3                          | 256QAM     | 1       | 0         | 17.29               | 17.36                  | 17.32                |                     |          |       |       |
| 3                          | 256QAM     | 1       | 8         | 17.16               | 17.20                  | 17.16                |                     |          |       |       |
| 3                          | 256QAM     | 1       | 14        | 17.21               | 17.22                  | 17.14                |                     |          |       |       |
| 3                          | 256QAM     | 8       | 0         | 17.36               | 17.44                  | 17.30                | 19                  | 5        |       |       |
| 3                          | 256QAM     | 8       | 4         | 17.23               | 17.26                  | 17.24                |                     |          |       |       |
| 3                          | 256QAM     | 8       | 7         | 17.14               | 17.14                  | 17.12                |                     |          |       |       |
| 3                          | 256QAM     | 15      | 0         | 17.25               | 17.45                  | 17.28                |                     |          |       |       |
| Channel                    |            |         |           |                     |                        |                      | 26697               | 26665    |       | 27003 |
| Frequency (MHz)            |            |         |           |                     |                        |                      | 814.7               | 831.5    |       | 848.3 |
| 1.4                        | QPSK       | 1       | 0         | 22.05               | 22.25                  | 22.17                | 24                  | 0        |       |       |
| 1.4                        | QPSK       | 1       | 3         | 22.00               | 22.01                  | 22.00                |                     |          |       |       |
| 1.4                        | QPSK       | 1       | 5         | 22.11               | 22.14                  | 22.03                |                     |          |       |       |
| 1.4                        | QPSK       | 3       | 0         | 22.05               | 22.10                  | 22.06                |                     |          |       |       |
| 1.4                        | QPSK       | 3       | 1         | 22.00               | 22.08                  | 22.05                | 23                  | 1        |       |       |
| 1.4                        | QPSK       | 3       | 3         | 22.00               | 22.16                  | 22.03                |                     |          |       |       |
| 1.4                        | QPSK       | 6       | 0         | 21.12               | 21.31                  | 21.12                |                     |          |       |       |
| 1.4                        | 16QAM      | 1       | 0         | 21.20               | 21.24                  | 21.17                |                     |          |       |       |
| 1.4                        | 16QAM      | 1       | 3         | 21.12               | 21.19                  | 21.05                | 23                  | 1        |       |       |
| 1.4                        | 16QAM      | 1       | 5         | 21.34               | 21.34                  | 21.18                |                     |          |       |       |
| 1.4                        | 16QAM      | 3       | 0         | 21.16               | 21.30                  | 21.26                |                     |          |       |       |
| 1.4                        | 16QAM      | 3       | 1         | 21.19               | 21.28                  | 21.19                |                     |          |       |       |
| 1.4                        | 16QAM      | 6       | 0         | 20.31               | 20.35                  | 20.29                | 22                  | 2        |       |       |
| 1.4                        | 16QAM      | 6       | 3         | 20.30               | 20.29                  | 20.38                |                     |          |       |       |
| 1.4                        | 16QAM      | 1       | 3         | 20.11               | 20.23                  | 20.07                |                     |          |       |       |
| 1.4                        | 16QAM      | 1       | 5         | 20.19               | 20.22                  | 20.08                |                     |          |       |       |
| 1.4                        | 64QAM      | 3       | 0         | 20.26               | 20.43                  | 20.27                | 22                  | 2        |       |       |
| 1.4                        | 64QAM      | 3       | 1         | 20.27               | 20.30                  | 20.24                |                     |          |       |       |
| 1.4                        | 64QAM      | 3       | 3         | 20.17               | 20.19                  | 20.09                |                     |          |       |       |
| 1.4                        | 64QAM      | 6       | 0         | 19.36               | 19.45                  | 19.28                |                     |          |       |       |
| 1.4                        | 256QAM     | 1       | 0         | 17.27               | 17.35                  | 17.31                | 21                  | 3        |       |       |
| 1.4                        | 256QAM     | 1       | 3         | 17.12               | 17.23                  | 17.21                |                     |          |       |       |
| 1.4                        | 256QAM     | 1       | 5         | 17.18               | 17.22                  | 17.24                |                     |          |       |       |
| 1.4                        | 256QAM     | 3       | 0         | 17.41               | 17.50                  | 17.38                |                     |          |       |       |
| 1.4                        | 256QAM     | 3       | 1         | 17.38               | 17.51                  | 17.38                | 19                  | 5        |       |       |
| 1.4                        | 256QAM     | 3       | 3         | 17.15               | 17.27                  | 17.12                |                     |          |       |       |
| 1.4                        | 256QAM     | 6       | 0         | 17.34               | 17.40                  | 17.31                |                     |          |       |       |
| 1.4                        | 256QAM     | 6       | 3         | 17.17               | 17.27                  | 17.17                |                     |          |       |       |

| GSM1900 Ant1 DSI 7 |  |                           |       |        |       |        |       |                           |       |       |  |
|--------------------|--|---------------------------|-------|--------|-------|--------|-------|---------------------------|-------|-------|--|
| GSM1900            |  | Burst Average Power (dBm) |       |        |       | Tuneup |       | Frame-Average Power (dBm) |       |       |  |
| TX Channel         |  | 512                       | 661   | 810    | Limit | 512    | 661   | 810                       | Limit | Limit |  |
| Frequency (MHz)    |  | 1852.2                    | 1860  | 1867.8 | (dBm) | 1852.2 | 1860  | 1867.8                    | (dBm) | (dBm) |  |
| GSM 1 Tx slot      |  | 29.40                     | 29.35 | 29.32  | 30.50 | 29.40  | 29.39 | 29.32                     | 21.50 | 21.50 |  |
| GPRS 1 Tx slot     |  | 29.39                     | 29.36 | 29.30  | 30.50 | 29.39  | 29.36 | 29.30                     | 21.50 | 21.50 |  |
| GPRS 2 Tx slots    |  | 27.53                     | 27.62 | 27.52  | 28.50 | 21.53  | 21.62 | 21.52                     | 22.50 | 22.50 |  |
| GPRS 3 Tx slots    |  | 24.93                     | 24.96 | 24.90  | 26.00 | 20.67  | 20.60 | 20.54                     | 21.74 | 21.74 |  |
| GPRS 4 Tx slots    |  | 23.99                     | 23.04 | 23.08  | 24.00 | 19.99  | 20.04 | 20.08                     | 21.00 | 21.00 |  |
| EDGE 1 Tx slot     |  | 24.54                     | 24.61 | 24.61  | 25.50 | 15.54  | 15.61 | 15.61                     | 16.50 | 16.50 |  |
| EDGE 2 Tx slots    |  | 23.29                     | 23.30 | 23.30  | 24.50 | 17.29  | 17.30 | 17.30                     | 18.50 | 18.50 |  |
| EDGE 3 Tx slots    |  | 21.24                     | 21.16 | 21.09  | 22.00 | 16.98  | 16.92 | 16.83                     | 17.74 | 17.74 |  |
| EDGE 4 Tx slots    |  | 19.10                     | 19.09 | 19.09  | 20.00 | 16.10  | 16.09 | 16.09                     | 17.00 | 17.00 |  |

| WCDMA II Ant1 DSI 7 |                   |          |       |        | WCDMA IV Ant1 DSI 7 |       |          |        |        |
|---------------------|-------------------|----------|-------|--------|---------------------|-------|----------|--------|--------|
| Band                |                   | WCDMA II |       |        | Tune-up             |       | WCDMA IV |        |        |
| TX Channel          |                   | 5262     | 5400  | 5538   | Limit               |       | 1312     | 1413   | 1513   |
| Rx Channel          |                   | 5692     | 5930  | 5938   | (dBm)               |       | 1437     | 1438   | 1734   |
| Frequency (MHz)     |                   | 1852.4   | 1880  | 1907.6 |                     |       | 1732.4   | 1732.6 | 1752.6 |
| 3GPP Rel 99         | AMR 12.2kops      | 19.37    | 19.51 | 19.40  | 21.20               | 19.10 | 19.14    | 19.07  | 20.40  |
| 3GPP Rel 99         | RMC 12.2kops      | 19.38    | 19.53 | 19.46  | 21.20               | 19.18 | 19.19    | 19.10  | 20.40  |
| 3GPP Rel 6          | HSDPA Subtest-1   | 19.50    | 18.62 | 18.39  | 20.20               | 18.15 | 18.13    | 18.24  | 19.40  |
| 3GPP Rel 6          | HSDPA Subtest-2   | 18.50    | 18.50 | 18.39  | 20.20               | 18.29 | 18.29    | 18.18  | 19.40  |
| 3GPP Rel 6          | HSDPA Subtest-3   | 18.16    | 18.11 | 17.88  | 19.70               | 17.70 | 17.83    | 17.53  | 18.50  |
| 3GPP Rel 6          | HSDPA Subtest-4   | 17.80    | 17.92 | 17.85  | 19.70               | 17.54 | 17.73    | 17.69  | 18.90  |
| 3GPP Rel 6          | DCHSDPA Subtest-1 | 19.53    | 18.52 | 18.37  | 20.20               | 18.26 | 18.22    | 18.09  | 19.40  |
| 3GPP Rel 6          | DCHSDPA Subtest-2 | 18.56    | 18.48 | 18.37  | 20.20               | 18.09 | 18.18    | 18.21  | 19.40  |
| 3GPP Rel 6          | DCHSDPA Subtest-3 | 17.94    | 18.23 | 17.87  | 19.70               | 17.83 | 17.79    | 17.70  | 18.50  |
| 3GPP Rel 6          | DCHSDPA Subtest-4 | 17.97    | 18.02 | 17.91  | 19.70               | 17.70 | 17.80    | 17.48  | 18.90  |
| 3GPP Rel 6          | HSPA Subtest-1    | 19.35    | 18.53 | 18.56  | 20.20               | 18.07 | 18.23    | 18.07  | 19.40  |
| 3GPP Rel 6          | HSPA Subtest-2    | 16.43    | 16.61 | 16.57  | 18.20               | 16.09 | 16.25    | 16.13  | 17.40  |
| 3GPP Rel 6          | HSPA Subtest-3    | 17.31    | 17.49 | 17.33  | 19.20               | 17.18 | 17.22    | 17.11  | 18.40  |
| 3GPP Rel 6          | HSPA Subtest-4    | 16.43    | 16.51 | 16.38  | 18.20               | 16.20 | 16.30    | 16.08  | 17.40  |
| 3GPP Rel 6          | HSPA Subtest-5    | 18.42    | 18.59 | 18.51  | 20.20               | 18.25 | 18.12    | 18.17  | 19.40  |

| Band 2 Ant1 DSI 7 |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
|-------------------|------------|---------|-----------|----------------------------|----------------------------|-----------------------------|----------------|----------|------|---|--|--|--|--|
| BW (MHz)          | Modulation | RB Size | RB Offset | Power Low Ch / Freq. 18700 | Power Mid Ch / Freq. 18900 | Power High Ch / Freq. 19100 | Time-use (min) | MPR (dB) |      |   |  |  |  |  |
| Channel           |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| Frequency (MHz)   |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| 20                | QPSK       | 1       | 0         | 21.32                      | 21.46                      | 21.34                       | 22.3           | 0        |      |   |  |  |  |  |
| 20                | QPSK       | 1       | 48        | 21.38                      | 21.32                      | 21.18                       |                |          |      |   |  |  |  |  |
| 20                | QPSK       | 1       | 96        | 21.30                      | 21.32                      | 21.34                       |                |          |      |   |  |  |  |  |
| 20                | QPSK       | 50      | 0         | 21.22                      | 21.26                      | 21.15                       |                |          |      |   |  |  |  |  |
| 20                | QPSK       | 50      | 24        | 21.01                      | 21.21                      | 21.95                       | 22.3           | 0        |      |   |  |  |  |  |
| 20                | QPSK       | 50      | 50        | 21.15                      | 21.21                      | 21.22                       |                |          |      |   |  |  |  |  |
| 20                | QPSK       | 100     | 0         | 21.11                      | 21.23                      | 21.09                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 0         | 20.97                      | 20.98                      | 21.06                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 48        | 21.07                      | 21.15                      | 21.05                       | 22.3           | 0        |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 96        | 21.01                      | 21.14                      | 21.08                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 50      | 0         | 20.92                      | 20.79                      | 20.84                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 50      | 24        | 20.53                      | 20.59                      | 20.58                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 50      | 50        | 20.59                      | 20.66                      | 20.61                       | 22             | 0.3      |      |   |  |  |  |  |
| 20                | HQDM       | 100     | 0         | 20.95                      | 20.75                      | 20.70                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 0         | 20.78                      | 20.85                      | 20.73                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 48        | 20.72                      | 20.75                      | 20.71                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 96        | 20.97                      | 20.93                      | 20.97                       | 21             | 1.3      |      |   |  |  |  |  |
| 20                | HQDM       | 50      | 24        | 19.99                      | 19.74                      | 19.88                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 50      | 50        | 19.90                      | 19.71                      | 19.82                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 100     | 0         | 19.78                      | 19.83                      | 19.78                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 0         | 17.73                      | 17.78                      | 17.83                       | 19             | 3.3      |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 48        | 17.58                      | 17.67                      | 17.65                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 1       | 96        | 17.61                      | 17.72                      | 17.59                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 50      | 0         | 17.61                      | 17.71                      | 17.56                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 50      | 24        | 17.85                      | 17.81                      | 17.70                       | 19             | 3.3      |      |   |  |  |  |  |
| 20                | HQDM       | 50      | 50        | 17.62                      | 17.69                      | 17.63                       |                |          |      |   |  |  |  |  |
| 20                | HQDM       | 100     | 0         | 17.75                      | 17.69                      | 17.83                       |                |          |      |   |  |  |  |  |
| Channel           |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| Frequency (MHz)   |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| 15                | QPSK       | 1       | 0         | 21.22                      | 21.32                      | 21.19                       |                |          | 22.3 | 0 |  |  |  |  |
| 15                | QPSK       | 1       | 48        | 21.08                      | 21.24                      | 21.15                       |                |          |      |   |  |  |  |  |
| 15                | QPSK       | 1       | 74        | 21.22                      | 21.25                      | 21.28                       |                |          |      |   |  |  |  |  |
| 15                | QPSK       | 36      | 0         | 21.07                      | 21.17                      | 21.08                       |                |          |      |   |  |  |  |  |
| 15                | QPSK       | 36      | 20        | 20.90                      | 21.12                      | 21.04                       | 22.3           | 0        |      |   |  |  |  |  |
| 15                | QPSK       | 36      | 36        | 21.08                      | 21.09                      | 21.07                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 75      | 0         | 20.97                      | 21.12                      | 20.94                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 0         | 20.74                      | 20.88                      | 20.96                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 37        | 20.97                      | 21.09                      | 20.90                       | 22.3           | 0        |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 74        | 20.78                      | 21.09                      | 20.83                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 0         | 20.92                      | 20.95                      | 20.49                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 20        | 20.46                      | 20.57                      | 20.45                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 36        | 20.52                      | 20.58                      | 20.57                       | 22             | 0.3      |      |   |  |  |  |  |
| 15                | HQDM       | 75      | 0         | 20.51                      | 20.62                      | 20.60                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 0         | 20.62                      | 20.73                      | 20.61                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 37        | 20.69                      | 20.77                      | 20.64                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 74        | 20.61                      | 20.75                      | 20.58                       | 21             | 1.3      |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 0         | 19.47                      | 19.62                      | 19.42                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 20        | 19.48                      | 19.65                      | 19.48                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 36        | 19.40                      | 19.55                      | 19.53                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 75      | 0         | 19.68                      | 19.76                      | 19.65                       | 19             | 3.3      |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 0         | 17.58                      | 17.67                      | 17.54                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 37        | 17.45                      | 17.57                      | 17.54                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 1       | 74        | 17.51                      | 17.63                      | 17.54                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 0         | 17.58                      | 17.65                      | 17.68                       | 19             | 3.3      |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 20        | 17.55                      | 17.67                      | 17.59                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 36      | 36        | 17.47                      | 17.53                      | 17.49                       |                |          |      |   |  |  |  |  |
| 15                | HQDM       | 75      | 0         | 17.56                      | 17.65                      | 17.48                       |                |          |      |   |  |  |  |  |
| Channel           |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| Frequency (MHz)   |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| 10                | QPSK       | 1       | 0         | 21.04                      | 21.07                      | 21.06                       | 22.3           | 0        |      |   |  |  |  |  |
| 10                | QPSK       | 1       | 25        | 21.07                      | 21.28                      | 21.06                       |                |          |      |   |  |  |  |  |
| 10                | QPSK       | 1       | 48        | 21.21                      | 21.23                      | 21.19                       |                |          |      |   |  |  |  |  |
| 10                | QPSK       | 25      | 0         | 21.10                      | 21.17                      | 21.07                       |                |          |      |   |  |  |  |  |
| 10                | QPSK       | 25      | 12        | 20.96                      | 21.05                      | 21.01                       | 22.3           | 0        |      |   |  |  |  |  |
| 10                | QPSK       | 25      | 25        | 21.08                      | 21.09                      | 21.06                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 0         | 20.97                      | 21.02                      | 20.96                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 0         | 20.75                      | 20.89                      | 20.94                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 25        | 20.94                      | 21.05                      | 20.91                       | 22.3           | 0        |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 48        | 20.98                      | 21.06                      | 20.97                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 25      | 0         | 20.95                      | 20.99                      | 20.97                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 25      | 12        | 20.46                      | 20.55                      | 20.47                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 50      | 0         | 20.40                      | 20.55                      | 20.48                       | 22             | 0.3      |      |   |  |  |  |  |
| 10                | HQDM       | 50      | 0         | 20.55                      | 20.65                      | 20.58                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 0         | 20.67                      | 20.72                      | 20.69                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 0         | 20.62                      | 20.72                      | 20.67                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 48        | 20.95                      | 20.77                      | 20.62                       | 21             | 1.3      |      |   |  |  |  |  |
| 10                | HQDM       | 25      | 0         | 19.53                      | 19.59                      | 19.50                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 25      | 12        | 19.51                      | 19.62                      | 19.43                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 25      | 25        | 19.45                      | 19.68                      | 19.56                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 50      | 0         | 19.62                      | 19.75                      | 19.66                       | 19             | 3.3      |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 0         | 17.65                      | 17.69                      | 17.61                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 25        | 17.51                      | 17.63                      | 17.41                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 1       | 48        | 17.52                      | 17.64                      | 17.54                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 25      | 0         | 17.60                      | 17.75                      | 17.63                       | 19             | 3.3      |      |   |  |  |  |  |
| 10                | HQDM       | 25      | 25        | 17.50                      | 17.59                      | 17.50                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 50      | 0         | 17.58                      | 17.70                      | 17.48                       |                |          |      |   |  |  |  |  |
| 10                | HQDM       | 50      | 25        | 17.56                      | 17.70                      | 17.48                       |                |          |      |   |  |  |  |  |
| Channel           |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| Frequency (MHz)   |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| 5                 | QPSK       | 1       | 0         | 21.25                      | 21.34                      | 21.28                       | 22.3           | 0        |      |   |  |  |  |  |
| 5                 | QPSK       | 1       | 12        | 21.05                      | 21.27                      | 21.12                       |                |          |      |   |  |  |  |  |
| 5                 | QPSK       | 1       | 24        | 21.16                      | 21.20                      | 21.19                       |                |          |      |   |  |  |  |  |
| 5                 | QPSK       | 12      | 0         | 21.07                      | 21.14                      | 21.06                       |                |          |      |   |  |  |  |  |
| 5                 | QPSK       | 12      | 7         | 20.85                      | 21.08                      | 21.02                       | 22.3           | 0        |      |   |  |  |  |  |
| 5                 | QPSK       | 12      | 13        | 21.08                      | 21.16                      | 21.09                       |                |          |      |   |  |  |  |  |
| 5                 | QPSK       | 25      | 0         | 21.03                      | 21.12                      | 21.04                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 0         | 20.80                      | 20.89                      | 21.01                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 12        | 21.03                      | 21.06                      | 20.90                       | 22.3           | 0        |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 24        | 20.98                      | 21.04                      | 20.95                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 0         | 20.53                      | 20.63                      | 20.52                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 7         | 20.38                      | 20.64                      | 20.45                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 13        | 20.41                      | 20.59                      | 20.48                       | 22             | 0.3      |      |   |  |  |  |  |
| 5                 | HQDM       | 25      | 0         | 20.60                      | 20.70                      | 20.61                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 0         | 20.60                      | 20.70                      | 20.65                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 0         | 20.59                      | 20.65                      | 20.61                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 24        | 20.61                      | 20.73                      | 20.53                       | 21             | 1.3      |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 0         | 19.47                      | 19.56                      | 19.41                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 7         | 19.48                      | 19.59                      | 19.42                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 13        | 19.48                      | 19.68                      | 19.45                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 25      | 0         | 19.70                      | 19.79                      | 19.69                       | 19             | 3.3      |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 0         | 17.68                      | 17.73                      | 17.59                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 12        | 17.43                      | 17.56                      | 17.48                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 1       | 24        | 17.53                      | 17.65                      | 17.43                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 0         | 17.55                      | 17.55                      | 17.49                       | 19             | 3.3      |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 7         | 17.53                      | 17.65                      | 17.44                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 12      | 13        | 17.58                      | 17.68                      | 17.54                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 25      | 0         | 17.60                      | 17.68                      | 17.57                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 25      | 0         | 17.60                      | 17.68                      | 17.57                       |                |          |      |   |  |  |  |  |
| 5                 | HQDM       | 25      | 0         | 17.60                      | 17.68                      | 17.57                       |                |          |      |   |  |  |  |  |
| Channel           |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| Frequency (MHz)   |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| 3                 | QPSK       | 1       | 0         | 21.25                      | 21.34                      | 21.28                       | 22.3           | 0        |      |   |  |  |  |  |
| 3                 | QPSK       | 1       | 8         | 21.03                      | 21.21                      | 21.12                       |                |          |      |   |  |  |  |  |
| 3                 | QPSK       | 1       | 16        | 21.07                      | 21.25                      | 21.15                       |                |          |      |   |  |  |  |  |
| 3                 | QPSK       | 8       | 0         | 21.15                      | 21.22                      | 21.01                       |                |          |      |   |  |  |  |  |
| 3                 | QPSK       | 8       | 4         | 20.88                      | 21.15                      | 20.94                       | 22.3           | 0        |      |   |  |  |  |  |
| 3                 | QPSK       | 8       | 12        | 21.04                      | 21.11                      | 21.01                       |                |          |      |   |  |  |  |  |
| 3                 | QPSK       | 16      | 0         | 20.96                      | 21.21                      | 21.01                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 0         | 20.83                      | 20.89                      | 20.94                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 8         | 21.07                      | 21.09                      | 20.93                       | 22.3           | 0        |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 16        | 20.91                      | 20.98                      | 21.02                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 0         | 20.48                      | 20.64                      | 20.47                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 4         | 20.58                      | 20.68                      | 20.43                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 7         | 20.48                      | 20.60                      | 20.53                       | 22             | 0.3      |      |   |  |  |  |  |
| 3                 | HQDM       | 16      | 0         | 20.63                      | 20.71                      | 20.64                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 0         | 20.68                      | 20.74                      | 20.61                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 8         | 20.68                      | 20.67                      | 20.61                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 8         | 20.68                      | 20.67                      | 20.61                       | 21             | 1.3      |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 0         | 19.54                      | 19.58                      | 19.44                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 4         | 19.48                      | 19.69                      | 19.53                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 7         | 19.47                      | 19.61                      | 19.51                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 16      | 0         | 19.68                      | 19.77                      | 19.71                       | 19             | 3.3      |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 0         | 17.68                      | 17.68                      | 17.60                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 8         | 17.62                      | 17.68                      | 17.42                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 1       | 16        | 17.61                      | 17.68                      | 17.43                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 0         | 17.60                      | 17.61                      | 17.62                       | 19             | 3.3      |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 4         | 17.52                      | 17.78                      | 17.59                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 8       | 7         | 17.55                      | 17.65                      | 17.45                       |                |          |      |   |  |  |  |  |
| 3                 | HQDM       | 16      | 0         | 17.65                      | 17.68                      | 17.52                       |                |          |      |   |  |  |  |  |
| Channel           |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| Frequency (MHz)   |            |         |           |                            |                            |                             |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 1       | 0         | 21.21                      | 21.38                      | 21.24                       | 22.3           | 0        |      |   |  |  |  |  |
| 1.4               | QPSK       | 1       | 8         | 21.08                      | 21.21                      | 21.21                       |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 1       | 16        | 21.24                      | 21.19                      | 21.23                       |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 0         | 21.08                      | 21.19                      | 21.01                       |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 8         | 20.85                      | 21.00                      | 20.93                       | 22.3           | 0        |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 16        | 21.06                      | 21.08                      | 21.07                       |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 24        | 21.28                      | 21.08                      | 21.07                       |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 32        | 21.28                      | 21.08                      | 21.07                       |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 40        | 21.01                      | 21.16                      | 20.93                       | 22.3           | 0        |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 48        | 21.08                      | 21.07                      | 20.93                       |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 56        | 20.93                      | 21.07                      | 20.93                       |                |          |      |   |  |  |  |  |
| 1.4               | QPSK       | 3       | 64        | 20.98                      | 21.07                      | 20.98                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 1       | 0         | 20.91                      | 20.94                      | 20.91                       | 22             | 0.3      |      |   |  |  |  |  |
| 1.4               | HQDM       | 1       | 8         | 20.64                      | 20.74                      | 20.81                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 1       | 16        | 20.68                      | 20.73                      | 20.84                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 0         | 20.65                      | 20.63                      | 20.64                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 8         | 20.65                      | 20.78                      | 20.62                       | 22             | 0.3      |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 16        | 20.68                      | 20.77                      | 20.67                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 24        | 20.68                      | 20.77                      | 20.67                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 32        | 20.68                      | 20.77                      | 20.67                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 40        | 20.65                      | 20.78                      | 20.62                       | 21             | 1.3      |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 48        | 20.68                      | 20.77                      | 20.67                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 56        | 20.68                      | 20.77                      | 20.67                       |                |          |      |   |  |  |  |  |
| 1.4               | HQDM       | 3       | 64        | 20.68                      | 20.77                      | 2                           |                |          |      |   |  |  |  |  |



| Band 38 Ant1 DSI 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            |            |         |           | 37650                 | 38000                    | 38150                  |                     |          |  |  |
| Frequency (MHz)    |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |  |
| 20                 | QPSK       | 1       | 0         | 22.31                 | 22.41                    | 22.36                  | 22.8                | 0        |  |  |
| 20                 | QPSK       | 1       | 49        | 22.15                 | 22.24                    | 22.14                  |                     |          |  |  |
| 20                 | QPSK       | 1       | 99        | 21.95                 | 22.13                    | 22.02                  |                     |          |  |  |
| 20                 | QPSK       | 50      | 0         | 21.64                 | 21.78                    | 21.63                  |                     |          |  |  |
| 20                 | QPSK       | 50      | 24        | 21.55                 | 21.68                    | 21.62                  | 22.8                | 0        |  |  |
| 20                 | QPSK       | 50      | 50        | 21.66                 | 21.75                    | 21.61                  |                     |          |  |  |
| 20                 | QPSK       | 100     | 0         | 21.61                 | 21.70                    | 21.62                  |                     |          |  |  |
| 20                 | 16QAM      | 1       | 0         | 21.78                 | 21.90                    | 21.79                  |                     |          |  |  |
| 20                 | 16QAM      | 1       | 49        | 21.66                 | 21.79                    | 21.65                  | 22.8                | 0        |  |  |
| 20                 | 16QAM      | 1       | 99        | 21.64                 | 21.73                    | 21.59                  |                     |          |  |  |
| 20                 | 16QAM      | 50      | 0         | 20.72                 | 20.82                    | 20.75                  |                     |          |  |  |
| 20                 | 16QAM      | 50      | 24        | 20.53                 | 20.63                    | 20.54                  |                     |          |  |  |
| 20                 | 16QAM      | 50      | 50        | 20.61                 | 20.70                    | 20.66                  | 22                  | 0.8      |  |  |
| 20                 | 16QAM      | 100     | 0         | 20.67                 | 20.73                    | 20.67                  |                     |          |  |  |
| 20                 | 64QAM      | 1       | 0         | 21.66                 | 21.75                    | 21.61                  |                     |          |  |  |
| 20                 | 64QAM      | 1       | 49        | 21.53                 | 21.61                    | 21.50                  |                     |          |  |  |
| 20                 | 64QAM      | 1       | 99        | 21.66                 | 21.73                    | 21.64                  | 22                  | 0.8      |  |  |
| 20                 | 64QAM      | 50      | 0         | 20.70                 | 20.74                    | 20.62                  |                     |          |  |  |
| 20                 | 64QAM      | 50      | 24        | 20.52                 | 20.58                    | 20.46                  |                     |          |  |  |
| 20                 | 64QAM      | 50      | 50        | 20.66                 | 20.72                    | 20.67                  |                     |          |  |  |
| 20                 | 64QAM      | 100     | 0         | 20.64                 | 20.78                    | 20.73                  | 19                  | 3.8      |  |  |
| 20                 | 256QAM     | 1       | 0         | 17.63                 | 17.70                    | 17.58                  |                     |          |  |  |
| 20                 | 256QAM     | 1       | 49        | 17.52                 | 17.61                    | 17.56                  |                     |          |  |  |
| 20                 | 256QAM     | 1       | 99        | 17.55                 | 17.64                    | 17.51                  |                     |          |  |  |
| 20                 | 256QAM     | 50      | 0         | 17.78                 | 17.85                    | 17.78                  | 19                  | 3.8      |  |  |
| 20                 | 256QAM     | 50      | 24        | 17.58                 | 17.68                    | 17.59                  |                     |          |  |  |
| 20                 | 256QAM     | 50      | 50        | 17.62                 | 17.77                    | 17.68                  |                     |          |  |  |
| 20                 | 256QAM     | 100     | 0         | 17.61                 | 17.76                    | 17.64                  |                     |          |  |  |
| Channel            |            |         |           | 37625                 | 38000                    | 38175                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)    |            |         |           | 25775                 | 2595                     | 2612.5                 |                     |          |  |  |
| 15                 | QPSK       | 1       | 0         | 22.20                 | 22.34                    | 22.27                  | 22.8                | 0        |  |  |
| 15                 | QPSK       | 1       | 37        | 22.00                 | 22.16                    | 22.09                  |                     |          |  |  |
| 15                 | QPSK       | 1       | 74        | 21.86                 | 22.03                    | 21.94                  |                     |          |  |  |
| 15                 | QPSK       | 36      | 0         | 21.60                 | 21.71                    | 21.53                  |                     |          |  |  |
| 15                 | QPSK       | 36      | 20        | 21.40                 | 21.52                    | 21.52                  | 22.8                | 0        |  |  |
| 15                 | QPSK       | 36      | 39        | 21.54                 | 21.66                    | 21.57                  |                     |          |  |  |
| 15                 | QPSK       | 75      | 0         | 21.55                 | 21.59                    | 21.50                  |                     |          |  |  |
| 15                 | 16QAM      | 1       | 0         | 21.71                 | 21.81                    | 21.66                  |                     |          |  |  |
| 15                 | 16QAM      | 1       | 37        | 21.51                 | 21.66                    | 21.50                  | 22.8                | 0        |  |  |
| 15                 | 16QAM      | 1       | 74        | 21.55                 | 21.57                    | 21.45                  |                     |          |  |  |
| 15                 | 16QAM      | 36      | 0         | 20.58                 | 20.73                    | 20.69                  |                     |          |  |  |
| 15                 | 16QAM      | 36      | 20        | 20.39                 | 20.50                    | 20.49                  |                     |          |  |  |
| 15                 | 16QAM      | 36      | 39        | 20.51                 | 20.60                    | 20.50                  | 22                  | 0.8      |  |  |
| 15                 | 16QAM      | 75      | 0         | 20.58                 | 20.62                    | 20.54                  |                     |          |  |  |
| 15                 | 64QAM      | 1       | 0         | 21.54                 | 21.64                    | 21.55                  |                     |          |  |  |
| 15                 | 64QAM      | 1       | 37        | 21.38                 | 21.53                    | 21.38                  |                     |          |  |  |
| 15                 | 64QAM      | 1       | 74        | 21.51                 | 21.67                    | 21.49                  | 22                  | 0.8      |  |  |
| 15                 | 64QAM      | 36      | 0         | 20.62                 | 20.68                    | 20.48                  |                     |          |  |  |
| 15                 | 64QAM      | 36      | 20        | 20.42                 | 20.48                    | 20.39                  |                     |          |  |  |
| 15                 | 64QAM      | 36      | 39        | 20.58                 | 20.63                    | 20.56                  |                     |          |  |  |
| 15                 | 64QAM      | 75      | 0         | 20.55                 | 20.67                    | 20.58                  | 21                  | 1.8      |  |  |
| 15                 | 256QAM     | 1       | 0         | 17.58                 | 17.62                    | 17.52                  |                     |          |  |  |
| 15                 | 256QAM     | 1       | 37        | 17.46                 | 17.52                    | 17.47                  |                     |          |  |  |
| 15                 | 256QAM     | 1       | 74        | 17.48                 | 17.52                    | 17.38                  |                     |          |  |  |
| 15                 | 256QAM     | 36      | 0         | 17.68                 | 17.70                    | 17.73                  | 19                  | 3.8      |  |  |
| 15                 | 256QAM     | 36      | 20        | 17.53                 | 17.62                    | 17.43                  |                     |          |  |  |
| 15                 | 256QAM     | 36      | 39        | 17.55                 | 17.69                    | 17.56                  |                     |          |  |  |
| 15                 | 256QAM     | 75      | 0         | 17.54                 | 17.65                    | 17.59                  |                     |          |  |  |
| Channel            |            |         |           | 37600                 | 38000                    | 38200                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)    |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |  |
| 10                 | QPSK       | 1       | 0         | 22.25                 | 22.31                    | 22.19                  | 22.8                | 0        |  |  |
| 10                 | QPSK       | 1       | 25        | 22.06                 | 22.12                    | 22.13                  |                     |          |  |  |
| 10                 | QPSK       | 1       | 49        | 21.94                 | 22.01                    | 21.93                  |                     |          |  |  |
| 10                 | QPSK       | 25      | 0         | 21.53                 | 21.70                    | 21.50                  |                     |          |  |  |
| 10                 | QPSK       | 25      | 12        | 21.44                 | 21.59                    | 21.48                  | 22.8                | 0        |  |  |
| 10                 | QPSK       | 25      | 25        | 21.53                 | 21.62                    | 21.52                  |                     |          |  |  |
| 10                 | QPSK       | 50      | 0         | 21.50                 | 21.56                    | 21.54                  |                     |          |  |  |
| 10                 | 16QAM      | 1       | 0         | 21.71                 | 21.76                    | 21.68                  |                     |          |  |  |
| 10                 | 16QAM      | 1       | 25        | 21.59                 | 21.73                    | 21.49                  | 22.8                | 0        |  |  |
| 10                 | 16QAM      | 1       | 49        | 21.52                 | 21.64                    | 21.48                  |                     |          |  |  |
| 10                 | 16QAM      | 25      | 0         | 20.67                 | 20.68                    | 20.64                  |                     |          |  |  |
| 10                 | 16QAM      | 25      | 12        | 20.48                 | 20.51                    | 20.45                  |                     |          |  |  |
| 10                 | 16QAM      | 25      | 25        | 20.46                 | 20.58                    | 20.57                  | 22                  | 0.8      |  |  |
| 10                 | 16QAM      | 50      | 0         | 20.57                 | 20.62                    | 20.58                  |                     |          |  |  |
| 10                 | 64QAM      | 1       | 0         | 21.60                 | 21.61                    | 21.52                  |                     |          |  |  |
| 10                 | 64QAM      | 1       | 25        | 21.39                 | 21.56                    | 21.36                  |                     |          |  |  |
| 10                 | 64QAM      | 1       | 49        | 21.62                 | 21.65                    | 21.55                  | 22                  | 0.8      |  |  |
| 10                 | 64QAM      | 25      | 0         | 20.64                 | 20.58                    | 20.58                  |                     |          |  |  |
| 10                 | 64QAM      | 25      | 12        | 20.39                 | 20.54                    | 20.33                  |                     |          |  |  |
| 10                 | 64QAM      | 25      | 25        | 20.56                 | 20.66                    | 20.58                  |                     |          |  |  |
| 10                 | 64QAM      | 50      | 0         | 20.59                 | 20.73                    | 20.63                  | 21                  | 1.8      |  |  |
| 10                 | 256QAM     | 1       | 0         | 17.49                 | 17.58                    | 17.51                  |                     |          |  |  |
| 10                 | 256QAM     | 1       | 25        | 17.44                 | 17.45                    | 17.43                  |                     |          |  |  |
| 10                 | 256QAM     | 1       | 49        | 17.40                 | 17.59                    | 17.40                  |                     |          |  |  |
| 10                 | 256QAM     | 25      | 0         | 17.65                 | 17.69                    | 17.64                  | 19                  | 3.8      |  |  |
| 10                 | 256QAM     | 25      | 12        | 17.51                 | 17.53                    | 17.44                  |                     |          |  |  |
| 10                 | 256QAM     | 25      | 25        | 17.56                 | 17.73                    | 17.61                  |                     |          |  |  |
| 10                 | 256QAM     | 50      | 0         | 17.49                 | 17.64                    | 17.52                  |                     |          |  |  |
| Channel            |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dbm) | MPR (db) |  |  |
| Frequency (MHz)    |            |         |           | 25725                 | 2595                     | 2617.5                 |                     |          |  |  |
| 5                  | QPSK       | 1       | 0         | 22.23                 | 22.38                    | 22.18                  | 22.8                | 0        |  |  |
| 5                  | QPSK       | 1       | 12        | 22.00                 | 22.09                    | 22.03                  |                     |          |  |  |
| 5                  | QPSK       | 1       | 24        | 21.91                 | 21.94                    | 21.95                  |                     |          |  |  |
| 5                  | QPSK       | 12      | 0         | 21.50                 | 21.65                    | 21.48                  |                     |          |  |  |
| 5                  | QPSK       | 12      | 7         | 21.44                 | 21.54                    | 21.49                  | 22.8                | 0        |  |  |
| 5                  | QPSK       | 12      | 13        | 21.61                 | 21.63                    | 21.52                  |                     |          |  |  |
| 5                  | QPSK       | 25      | 0         | 21.51                 | 21.58                    | 21.57                  |                     |          |  |  |
| 5                  | 16QAM      | 1       | 0         | 21.67                 | 21.77                    | 21.71                  |                     |          |  |  |
| 5                  | 16QAM      | 1       | 12        | 21.55                 | 21.66                    | 21.51                  | 22.8                | 0        |  |  |
| 5                  | 16QAM      | 1       | 24        | 21.53                 | 21.61                    | 21.51                  |                     |          |  |  |
| 5                  | 16QAM      | 12      | 0         | 20.60                 | 20.71                    | 20.63                  |                     |          |  |  |
| 5                  | 16QAM      | 12      | 7         | 20.37                 | 20.52                    | 20.40                  |                     |          |  |  |
| 5                  | 16QAM      | 12      | 13        | 20.52                 | 20.58                    | 20.58                  | 22                  | 0.8      |  |  |
| 5                  | 16QAM      | 25      | 0         | 20.55                 | 20.66                    | 20.63                  |                     |          |  |  |
| 5                  | 64QAM      | 1       | 0         | 21.53                 | 21.66                    | 21.46                  |                     |          |  |  |
| 5                  | 64QAM      | 1       | 12        | 21.48                 | 21.48                    | 21.36                  |                     |          |  |  |
| 5                  | 64QAM      | 1       | 24        | 21.61                 | 21.61                    | 21.59                  | 22                  | 0.8      |  |  |
| 5                  | 64QAM      | 12      | 0         | 20.57                 | 20.66                    | 20.58                  |                     |          |  |  |
| 5                  | 64QAM      | 12      | 7         | 20.47                 | 20.42                    | 20.41                  |                     |          |  |  |
| 5                  | 64QAM      | 12      | 13        | 20.51                 | 20.56                    | 20.58                  |                     |          |  |  |
| 5                  | 64QAM      | 25      | 0         | 20.55                 | 20.63                    | 20.67                  | 21                  | 1.8      |  |  |
| 5                  | 256QAM     | 1       | 0         | 17.51                 | 17.62                    | 17.51                  |                     |          |  |  |
| 5                  | 256QAM     | 1       | 12        | 17.47                 | 17.51                    | 17.48                  | 19                  | 3.8      |  |  |
| 5                  | 256QAM     | 1       | 24        | 17.46                 | 17.53                    | 17.36                  |                     |          |  |  |
| 5                  | 256QAM     | 12      | 0         | 17.69                 | 17.81                    | 17.68                  | 19                  | 3.8      |  |  |
| 5                  | 256QAM     | 12      | 7         | 17.52                 | 17.55                    | 17.45                  |                     |          |  |  |
| 5                  | 256QAM     | 12      | 13        | 17.53                 | 17.68                    | 17.62                  |                     |          |  |  |
| 5                  | 256QAM     | 25      | 0         | 17.46                 | 17.60                    | 17.54                  |                     |          |  |  |

| Band 42 FCC Part27Q Ant3 DSI 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                        |            |         |           | 42190                    | 42590                       | 42990                     |                        |             |  |
| Frequency (MHz)                |            |         |           | 3460                     | 3500                        | 3540                      |                        |             |  |
| 20                             | QPSK       | 1       | 0         | 16.53                    | 16.63                       | 16.51                     | 17.5                   | 0           |  |
| 20                             | QPSK       | 1       | 49        | 16.39                    | 16.39                       | 16.39                     |                        |             |  |
| 20                             | QPSK       | 1       | 99        | 16.41                    | 16.48                       | 16.56                     |                        |             |  |
| 20                             | QPSK       | 50      | 0         | 16.45                    | 16.51                       | 16.41                     | 17.5                   | 0           |  |
| 20                             | QPSK       | 50      | 24        | 16.28                    | 16.30                       | 16.26                     |                        |             |  |
| 20                             | QPSK       | 50      | 50        | 16.23                    | 16.38                       | 16.41                     |                        |             |  |
| 20                             | QPSK       | 100     | 0         | 16.27                    | 16.34                       | 16.26                     | 17.5                   | 0           |  |
| 20                             | 16QAM      | 1       | 0         | 16.16                    | 16.22                       | 16.12                     |                        |             |  |
| 20                             | 16QAM      | 1       | 49        | 16.17                    | 16.27                       | 16.22                     |                        |             |  |
| 20                             | 16QAM      | 1       | 99        | 16.23                    | 16.26                       | 16.18                     | 17.5                   | 0           |  |
| 20                             | 16QAM      | 50      | 0         | 16.30                    | 16.31                       | 16.15                     |                        |             |  |
| 20                             | 16QAM      | 50      | 24        | 16.28                    | 16.24                       | 16.12                     |                        |             |  |
| 20                             | 16QAM      | 50      | 50        | 16.24                    | 16.28                       | 16.28                     | 17.5                   | 0           |  |
| 20                             | 16QAM      | 100     | 0         | 16.34                    | 16.23                       | 16.12                     |                        |             |  |
| 20                             | 64QAM      | 1       | 0         | 16.27                    | 16.32                       | 16.18                     |                        |             |  |
| 20                             | 64QAM      | 1       | 49        | 16.27                    | 16.31                       | 16.24                     | 17.5                   | 0           |  |
| 20                             | 64QAM      | 1       | 99        | 16.27                    | 16.24                       | 16.15                     |                        |             |  |
| 20                             | 64QAM      | 50      | 0         | 16.32                    | 16.32                       | 16.17                     |                        |             |  |
| 20                             | 64QAM      | 50      | 24        | 16.23                    | 16.22                       | 16.27                     | 17.5                   | 0           |  |
| 20                             | 64QAM      | 50      | 50        | 16.16                    | 16.35                       | 16.23                     |                        |             |  |
| 20                             | 64QAM      | 100     | 0         | 16.24                    | 16.27                       | 16.21                     |                        |             |  |
| 20                             | 256QAM     | 1       | 0         | 16.23                    | 16.26                       | 16.26                     | 17.5                   | 0           |  |
| 20                             | 256QAM     | 1       | 49        | 16.25                    | 16.29                       | 16.19                     |                        |             |  |
| 20                             | 256QAM     | 1       | 99        | 16.23                    | 16.23                       | 16.29                     |                        |             |  |
| 20                             | 256QAM     | 50      | 0         | 16.21                    | 16.24                       | 16.20                     | 17.5                   | 0           |  |
| 20                             | 256QAM     | 50      | 24        | 16.30                    | 16.31                       | 16.18                     |                        |             |  |
| 20                             | 256QAM     | 50      | 50        | 16.28                    | 16.24                       | 16.23                     |                        |             |  |
| 20                             | 256QAM     | 100     | 0         | 16.24                    | 16.26                       | 16.29                     |                        |             |  |
| Channel                        |            |         |           | 42165                    | 42590                       | 43015                     |                        |             |  |
| Frequency (MHz)                |            |         |           | 3457.5                   | 3500                        | 3542.5                    | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| 15                             | QPSK       | 1       | 0         | 16.52                    | 16.55                       | 16.43                     | 17.5                   | 0           |  |
| 15                             | QPSK       | 1       | 37        | 16.20                    | 16.35                       | 16.28                     |                        |             |  |
| 15                             | QPSK       | 1       | 74        | 16.35                    | 16.44                       | 16.44                     |                        |             |  |
| 15                             | QPSK       | 36      | 0         | 16.32                    | 16.35                       | 16.25                     | 17.5                   | 0           |  |
| 15                             | QPSK       | 36      | 20        | 16.13                    | 16.26                       | 16.11                     |                        |             |  |
| 15                             | QPSK       | 36      | 39        | 16.13                    | 16.33                       | 16.25                     |                        |             |  |
| 15                             | QPSK       | 75      | 0         | 16.21                    | 16.30                       | 16.18                     | 17.5                   | 0           |  |
| 15                             | 16QAM      | 1       | 0         | 16.08                    | 16.08                       | 16.08                     |                        |             |  |
| 15                             | 16QAM      | 1       | 37        | 16.05                    | 16.15                       | 16.06                     |                        |             |  |
| 15                             | 16QAM      | 1       | 74        | 16.23                    | 16.16                       | 16.11                     | 17.5                   | 0           |  |
| 15                             | 16QAM      | 36      | 0         | 16.20                    | 16.20                       | 16.10                     |                        |             |  |
| 15                             | 16QAM      | 36      | 20        | 16.11                    | 16.17                       | 16.08                     |                        |             |  |
| 15                             | 16QAM      | 36      | 39        | 16.11                    | 16.13                       | 16.21                     | 17.5                   | 0           |  |
| 15                             | 16QAM      | 75      | 0         | 16.22                    | 16.12                       | 16.12                     |                        |             |  |
| 15                             | 64QAM      | 1       | 0         | 16.19                    | 16.18                       | 16.08                     |                        |             |  |
| 15                             | 64QAM      | 1       | 37        | 16.10                    | 16.23                       | 16.09                     | 17.5                   | 0           |  |
| 15                             | 64QAM      | 1       | 74        | 16.19                    | 16.13                       | 16.06                     |                        |             |  |
| 15                             | 64QAM      | 36      | 0         | 16.21                    | 16.19                       | 16.11                     |                        |             |  |
| 15                             | 64QAM      | 36      | 20        | 16.11                    | 16.18                       | 16.18                     | 17.5                   | 0           |  |
| 15                             | 64QAM      | 36      | 39        | 16.10                    | 16.26                       | 16.08                     |                        |             |  |
| 15                             | 64QAM      | 75      | 0         | 16.09                    | 16.20                       | 16.11                     |                        |             |  |
| 15                             | 256QAM     | 1       | 0         | 16.21                    | 16.19                       | 16.15                     | 17.5                   | 0           |  |
| 15                             | 256QAM     | 1       | 37        | 16.20                    | 16.19                       | 16.15                     |                        |             |  |
| 15                             | 256QAM     | 1       | 74        | 16.18                    | 16.14                       | 16.07                     |                        |             |  |
| 15                             | 256QAM     | 36      | 0         | 16.14                    | 16.16                       | 16.14                     | 17.5                   | 0           |  |
| 15                             | 256QAM     | 36      | 20        | 16.10                    | 16.27                       | 16.16                     |                        |             |  |
| 15                             | 256QAM     | 36      | 39        | 16.11                    | 16.16                       | 16.14                     |                        |             |  |
| 15                             | 256QAM     | 75      | 0         | 16.20                    | 16.20                       | 16.12                     |                        |             |  |
| Channel                        |            |         |           | 42140                    | 42590                       | 43040                     |                        |             |  |
| Frequency (MHz)                |            |         |           | 3455                     | 3500                        | 3545                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| 10                             | QPSK       | 1       | 0         | 16.46                    | 16.54                       | 16.34                     | 17.5                   | 0           |  |
| 10                             | QPSK       | 1       | 25        | 16.20                    | 16.35                       | 16.29                     |                        |             |  |
| 10                             | QPSK       | 1       | 49        | 16.37                    | 16.42                       | 16.44                     |                        |             |  |
| 10                             | QPSK       | 25      | 0         | 16.30                    | 16.37                       | 16.32                     | 17.5                   | 0           |  |
| 10                             | QPSK       | 25      | 12        | 16.16                    | 16.20                       | 16.15                     |                        |             |  |
| 10                             | QPSK       | 25      | 25        | 16.21                    | 16.28                       | 16.27                     |                        |             |  |
| 10                             | QPSK       | 50      | 0         | 16.24                    | 16.25                       | 16.19                     | 17.5                   | 0           |  |
| 10                             | 16QAM      | 1       | 0         | 16.08                    | 16.04                       | 16.11                     |                        |             |  |
| 10                             | 16QAM      | 1       | 25        | 16.13                    | 16.14                       | 16.07                     |                        |             |  |
| 10                             | 16QAM      | 1       | 49        | 16.18                    | 16.26                       | 16.12                     | 17.5                   | 0           |  |
| 10                             | 16QAM      | 25      | 0         | 16.14                    | 16.22                       | 16.09                     |                        |             |  |
| 10                             | 16QAM      | 25      | 12        | 16.18                    | 16.13                       | 16.06                     |                        |             |  |
| 10                             | 16QAM      | 25      | 25        | 16.11                    | 16.23                       | 16.16                     | 17.5                   | 0           |  |
| 10                             | 16QAM      | 50      | 0         | 16.22                    | 16.15                       | 16.09                     |                        |             |  |
| 10                             | 64QAM      | 1       | 0         | 16.20                    | 16.13                       | 16.06                     |                        |             |  |
| 10                             | 64QAM      | 1       | 25        | 16.21                    | 16.28                       | 16.09                     | 17.5                   | 0           |  |
| 10                             | 64QAM      | 1       | 49        | 16.21                    | 16.14                       | 16.15                     |                        |             |  |
| 10                             | 64QAM      | 25      | 0         | 16.15                    | 16.16                       | 16.12                     |                        |             |  |
| 10                             | 64QAM      | 25      | 12        | 16.13                    | 16.19                       | 16.10                     | 17.5                   | 0           |  |
| 10                             | 64QAM      | 25      | 25        | 16.08                    | 16.25                       | 16.12                     |                        |             |  |
| 10                             | 64QAM      | 50      | 0         | 16.18                    | 16.20                       | 16.10                     |                        |             |  |
| 10                             | 256QAM     | 1       | 0         | 16.17                    | 16.13                       | 16.14                     | 17.5                   | 0           |  |
| 10                             | 256QAM     | 1       | 25        | 16.18                    | 16.16                       | 16.09                     |                        |             |  |
| 10                             | 256QAM     | 1       | 49        | 16.22                    | 16.20                       | 16.14                     |                        |             |  |
| 10                             | 256QAM     | 25      | 0         | 16.07                    | 16.16                       | 16.06                     | 17.5                   | 0           |  |
| 10                             | 256QAM     | 25      | 12        | 16.17                    | 16.26                       | 16.10                     |                        |             |  |
| 10                             | 256QAM     | 25      | 25        | 16.22                    | 16.16                       | 16.13                     |                        |             |  |
| 10                             | 256QAM     | 50      | 0         | 16.14                    | 16.15                       | 16.13                     |                        |             |  |
| Channel                        |            |         |           | 42115                    | 42590                       | 43065                     |                        |             |  |
| Frequency (MHz)                |            |         |           | 3452.5                   | 3500                        | 3547.5                    | Tune-up limit<br>(dbm) | MPR<br>(db) |  |
| 5                              | QPSK       | 1       | 0         | 16.49                    | 16.58                       | 16.37                     | 17.5                   | 0           |  |
| 5                              | QPSK       | 1       | 12        | 16.25                    | 16.35                       | 16.24                     |                        |             |  |
| 5                              | QPSK       | 1       | 24        | 16.30                    | 16.39                       | 16.41                     |                        |             |  |
| 5                              | QPSK       | 12      | 0         | 16.32                    | 16.32                       | 16.26                     | 17.5                   | 0           |  |
| 5                              | QPSK       | 12      | 7         | 16.10                    | 16.24                       | 16.14                     |                        |             |  |
| 5                              | QPSK       | 12      | 13        | 16.18                    | 16.28                       | 16.25                     |                        |             |  |
| 5                              | QPSK       | 25      | 0         | 16.22                    | 16.29                       | 16.19                     | 17.5                   | 0           |  |
| 5                              | 16QAM      | 1       | 0         | 16.08                    | 16.09                       | 16.12                     |                        |             |  |
| 5                              | 16QAM      | 1       | 12        | 16.11                    | 16.18                       | 16.14                     |                        |             |  |
| 5                              | 16QAM      | 1       | 24        | 16.15                    | 16.22                       | 16.03                     | 17.5                   | 0           |  |
| 5                              | 16QAM      | 12      | 0         | 16.19                    | 16.30                       | 16.13                     |                        |             |  |
| 5                              | 16QAM      | 12      | 7         | 16.09                    | 16.13                       | 16.09                     |                        |             |  |
| 5                              | 16QAM      | 12      | 13        | 16.22                    | 16.15                       | 16.17                     | 17.5                   | 0           |  |
| 5                              | 16QAM      | 25      | 0         | 16.24                    | 16.14                       | 16.01                     |                        |             |  |
| 5                              | 64QAM      | 1       | 0         | 16.15                    | 16.20                       | 16.01                     |                        |             |  |
| 5                              | 64QAM      | 1       | 12        | 16.11                    | 16.24                       | 16.17                     | 17.5                   | 0           |  |
| 5                              | 64QAM      | 1       | 24        | 16.14                    | 16.13                       | 16.06                     |                        |             |  |
| 5                              | 64QAM      | 12      | 0         | 16.15                    | 16.11                       | 16.16                     |                        |             |  |
| 5                              | 64QAM      | 12      | 7         | 16.13                    | 16.16                       | 16.12                     | 17.5                   | 0           |  |
| 5                              | 64QAM      | 12      | 13        | 16.13                    | 16.27                       | 16.09                     |                        |             |  |
| 5                              | 64QAM      | 25      | 0         | 16.15                    | 16.21                       | 16.11                     |                        |             |  |
| 5                              | 256QAM     | 1       | 0         | 16.18                    | 16.19                       | 16.11                     | 17.5                   | 0           |  |
| 5                              | 256QAM     | 1       | 12        | 16.15                    | 16.13                       | 16.14                     |                        |             |  |
| 5                              | 256QAM     | 1       | 24        | 16.20                    | 16.23                       | 16.07                     |                        |             |  |
| 5                              | 256QAM     | 12      | 0         | 16.17                    | 16.21                       | 16.14                     | 17.5                   | 0           |  |
| 5                              | 256QAM     | 12      | 7         | 16.20                    | 16.24                       | 16.13                     |                        |             |  |
| 5                              | 256QAM     | 12      | 13        | 16.12                    | 16.17                       | 16.07                     |                        |             |  |
| 5                              | 256QAM     | 25      | 0         | 16.19                    | 16.18                       | 16.16                     |                        |             |  |
| Channel                        |            |         |           |                          |                             |                           |                        |             |  |



| Band 25 Ant4 DSI 7 |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
|--------------------|------------|---------|-----------|--------------------|----------------------------|----------------------------|---------------------------|-------------|--|--|--|--|--|--|
| BW (MHz)           | Modulation | RB Size | RB Offset | Power<br>Ch./Freq. | Power<br>Mask<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Tune-up<br>freq.<br>(MHz) | MPE<br>(dB) |  |  |  |  |  |  |
| Channel            |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| 20                 | QPSK       | 1       | 0         | 15.54              | 15.67                      | 15.50                      | 17.1                      | 0           |  |  |  |  |  |  |
| 20                 | QPSK       | 1       | 40        | 15.54              | 15.56                      | 15.49                      |                           |             |  |  |  |  |  |  |
| 20                 | QPSK       | 1       | 80        | 15.43              | 15.56                      | 15.49                      |                           |             |  |  |  |  |  |  |
| 20                 | QPSK       | 50      | 0         | 15.37              | 15.44                      | 15.28                      |                           |             |  |  |  |  |  |  |
| 20                 | QPSK       | 24      | 0         | 15.21              | 15.36                      | 15.28                      | 17.1                      | 0           |  |  |  |  |  |  |
| 20                 | QPSK       | 50      | 50        | 15.25              | 15.33                      | 15.40                      |                           |             |  |  |  |  |  |  |
| 20                 | QPSK       | 100     | 0         | 15.25              | 15.38                      | 15.25                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 0         | 15.14              | 15.17                      | 15.12                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 40        | 15.16              | 15.21                      | 15.18                      | 17.1                      | 0           |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 80        | 15.20              | 15.29                      | 15.18                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 120       | 15.19              | 15.26                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 24        | 15.23              | 15.28                      | 15.13                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 50        | 15.21              | 15.28                      | 15.28                      | 17.1                      | 0           |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 0         | 15.29              | 15.29                      | 15.21                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 0         | 15.30              | 15.21                      | 15.21                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 40        | 15.20              | 15.26                      | 15.26                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 80        | 15.24              | 15.30                      | 15.22                      | 17.1                      | 0           |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 0         | 15.20              | 15.32                      | 15.22                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 24        | 15.29              | 15.29                      | 15.26                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 50        | 15.24              | 15.30                      | 15.22                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 100     | 0         | 15.23              | 15.31                      | 15.25                      | 17.1                      | 0           |  |  |  |  |  |  |
| 20                 | HQAM       | 100     | 0         | 15.27              | 15.26                      | 15.21                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 40        | 15.31              | 15.24                      | 15.17                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 80        | 15.26              | 15.30                      | 15.27                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 1       | 120       | 15.18              | 15.20                      | 15.21                      | 17.1                      | 0           |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 50        | 15.14              | 15.30                      | 15.22                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 24        | 15.29              | 15.29                      | 15.25                      |                           |             |  |  |  |  |  |  |
| 20                 | HQAM       | 50      | 50        | 15.24              | 15.30                      | 15.22                      |                           |             |  |  |  |  |  |  |
| Channel            |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| 15                 | QPSK       | 1       | 0         | 15.59              | 15.59                      | 15.58                      | 17.1                      | 0           |  |  |  |  |  |  |
| 15                 | QPSK       | 1       | 37        | 15.57              | 15.37                      | 15.31                      |                           |             |  |  |  |  |  |  |
| 15                 | QPSK       | 1       | 74        | 15.47              | 15.44                      | 15.43                      |                           |             |  |  |  |  |  |  |
| 15                 | QPSK       | 50      | 0         | 15.28              | 15.34                      | 15.28                      |                           |             |  |  |  |  |  |  |
| 15                 | QPSK       | 24      | 0         | 15.19              | 15.18                      | 15.21                      | 17.1                      | 0           |  |  |  |  |  |  |
| 15                 | QPSK       | 50      | 50        | 15.27              | 15.23                      | 15.23                      |                           |             |  |  |  |  |  |  |
| 15                 | QPSK       | 75      | 0         | 15.27              | 15.28                      | 15.22                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 0         | 15.27              | 15.26                      | 15.11                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 37        | 15.28              | 15.12                      | 15.10                      | 17.1                      | 0           |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 74        | 15.15              | 15.17                      | 15.17                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 111       | 15.26              | 15.27                      | 15.27                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 50      | 50        | 15.25              | 15.23                      | 15.23                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 20        | 15.19              | 15.17                      | 15.18                      | 17.1                      | 0           |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 20        | 15.24              | 15.22                      | 15.21                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 75      | 0         | 15.18              | 15.19                      | 15.24                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 0         | 15.22              | 15.20                      | 15.18                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 37      | 0         | 15.20              | 15.22                      | 15.21                      | 17.1                      | 0           |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 74        | 15.19              | 15.23                      | 15.23                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 0         | 15.12              | 15.16                      | 15.18                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 36        | 15.23              | 15.23                      | 15.17                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 75      | 0         | 15.14              | 15.20                      | 15.20                      | 17.1                      | 0           |  |  |  |  |  |  |
| 15                 | HQAM       | 75      | 0         | 15.17              | 15.26                      | 15.21                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 37        | 15.16              | 15.16                      | 15.12                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 1       | 74        | 15.17              | 15.18                      | 15.14                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 0         | 15.29              | 15.29                      | 15.29                      | 17.1                      | 0           |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 20        | 15.22              | 15.18                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 36      | 36        | 15.17              | 15.20                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 15                 | HQAM       | 75      | 0         | 15.18              | 15.22                      | 15.21                      |                           |             |  |  |  |  |  |  |
| Channel            |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| 10                 | QPSK       | 1       | 0         | 15.40              | 15.39                      | 15.39                      | 17.1                      | 0           |  |  |  |  |  |  |
| 10                 | QPSK       | 1       | 25        | 15.28              | 15.36                      | 15.24                      |                           |             |  |  |  |  |  |  |
| 10                 | QPSK       | 1       | 40        | 15.34              | 15.44                      | 15.43                      |                           |             |  |  |  |  |  |  |
| 10                 | QPSK       | 25      | 0         | 15.29              | 15.39                      | 15.39                      |                           |             |  |  |  |  |  |  |
| 10                 | QPSK       | 25      | 12        | 15.11              | 15.21                      | 15.18                      | 17.1                      | 0           |  |  |  |  |  |  |
| 10                 | QPSK       | 25      | 25        | 15.13              | 15.23                      | 15.30                      |                           |             |  |  |  |  |  |  |
| 10                 | QPSK       | 50      | 0         | 15.20              | 15.30                      | 15.30                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 0         | 15.10              | 15.14                      | 15.21                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 25        | 15.16              | 15.19                      | 15.15                      | 17.1                      | 0           |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 50        | 15.16              | 15.20                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 0         | 15.16              | 15.28                      | 15.32                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 12        | 15.14              | 15.13                      | 15.18                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 0         | 15.21              | 15.13                      | 15.18                      | 17.1                      | 0           |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 50        | 15.13              | 15.20                      | 15.25                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 0         | 15.24              | 15.21                      | 15.23                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 25        | 15.20              | 15.24                      | 15.19                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 40        | 15.14              | 15.15                      | 15.14                      | 17.1                      | 0           |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 0         | 15.15              | 15.18                      | 15.21                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 12      | 0         | 15.13              | 15.13                      | 15.15                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 25        | 15.25              | 15.22                      | 15.28                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 0         | 15.27              | 15.14                      | 15.28                      | 17.1                      | 0           |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 0         | 15.23              | 15.11                      | 15.23                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 25        | 15.19              | 15.18                      | 15.24                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 40        | 15.22              | 15.19                      | 15.13                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 1       | 50        | 15.14              | 15.16                      | 15.14                      | 17.1                      | 0           |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 12        | 15.14              | 15.18                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 25      | 25        | 15.18              | 15.19                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 10                 | HQAM       | 50      | 0         | 15.19              | 15.20                      | 15.11                      |                           |             |  |  |  |  |  |  |
| Channel            |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| 5                  | QPSK       | 1       | 0         | 15.43              | 15.39                      | 15.39                      | 17.1                      | 0           |  |  |  |  |  |  |
| 5                  | QPSK       | 1       | 12        | 15.29              | 15.34                      | 15.25                      |                           |             |  |  |  |  |  |  |
| 5                  | QPSK       | 1       | 24        | 15.29              | 15.44                      | 15.42                      |                           |             |  |  |  |  |  |  |
| 5                  | QPSK       | 1       | 40        | 15.31              | 15.34                      | 15.34                      |                           |             |  |  |  |  |  |  |
| 5                  | QPSK       | 12      | 7         | 15.16              | 15.18                      | 15.18                      | 17.1                      | 0           |  |  |  |  |  |  |
| 5                  | QPSK       | 12      | 13        | 15.12              | 15.34                      | 15.25                      |                           |             |  |  |  |  |  |  |
| 5                  | QPSK       | 12      | 13        | 15.17              | 15.22                      | 15.22                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 0         | 15.10              | 15.11                      | 15.16                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 12        | 15.17              | 15.13                      | 15.11                      | 17.1                      | 0           |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 24        | 15.20              | 15.25                      | 15.27                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 5         | 15.15              | 15.22                      | 15.24                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 7         | 15.12              | 15.17                      | 15.14                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 13        | 15.21              | 15.15                      | 15.15                      | 17.1                      | 0           |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 0         | 15.22              | 15.19                      | 15.14                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 0         | 15.24              | 15.17                      | 15.23                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 12        | 15.18              | 15.16                      | 15.16                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 24        | 15.17              | 15.13                      | 15.17                      | 17.1                      | 0           |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 0         | 15.13              | 15.13                      | 15.15                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 12      | 13        | 15.26              | 15.23                      | 15.19                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 0         | 15.26              | 15.16                      | 15.19                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 0         | 15.20              | 15.10                      | 15.20                      | 17.1                      | 0           |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 0         | 15.19              | 15.15                      | 15.19                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 24        | 15.17              | 15.21                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 1       | 40        | 15.14              | 15.15                      | 15.14                      | 17.1                      | 0           |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 12        | 15.14              | 15.18                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 25      | 25        | 15.18              | 15.19                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 5                  | HQAM       | 50      | 0         | 15.19              | 15.20                      | 15.11                      |                           |             |  |  |  |  |  |  |
| Channel            |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| 3                  | QPSK       | 1       | 0         | 15.50              | 15.50                      | 15.50                      | 17.1                      | 0           |  |  |  |  |  |  |
| 3                  | QPSK       | 1       | 8         | 15.22              | 15.33                      | 15.25                      |                           |             |  |  |  |  |  |  |
| 3                  | QPSK       | 1       | 16        | 15.24              | 15.37                      | 15.28                      |                           |             |  |  |  |  |  |  |
| 3                  | QPSK       | 8       | 4         | 15.31              | 15.32                      | 15.30                      |                           |             |  |  |  |  |  |  |
| 3                  | QPSK       | 8       | 4         | 15.10              | 15.18                      | 15.12                      | 17.1                      | 0           |  |  |  |  |  |  |
| 3                  | QPSK       | 8       | 4         | 15.20              | 15.23                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 3                  | QPSK       | 15      | 0         | 15.22              | 15.30                      | 15.22                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 0         | 15.10              | 15.21                      | 15.30                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 8         | 15.16              | 15.16                      | 15.20                      | 17.1                      | 0           |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 16        | 15.17              | 15.17                      | 15.23                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 14        | 15.13              | 15.23                      | 15.25                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.14              | 15.27                      | 15.27                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.15              | 15.17                      | 15.20                      | 17.1                      | 0           |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.19              | 15.12                      | 15.10                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 15      | 0         | 15.16              | 15.15                      | 15.18                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 15      | 0         | 15.20              | 15.18                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.12              | 15.16                      | 15.18                      | 17.1                      | 0           |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.17              | 15.17                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.17              | 15.17                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.17              | 15.14                      | 15.15                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 0         | 15.23              | 15.18                      | 15.28                      | 17.1                      | 0           |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 8         | 15.22              | 15.18                      | 15.28                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 14        | 15.13              | 15.15                      | 15.15                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 1       | 14        | 15.13              | 15.15                      | 15.15                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.22              | 15.16                      | 15.13                      | 17.1                      | 0           |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.22              | 15.16                      | 15.13                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.22              | 15.16                      | 15.13                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 8       | 4         | 15.16              | 15.13                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 3                  | HQAM       | 15      | 0         | 15.16              | 15.12                      | 15.14                      | 17.1                      | 0           |  |  |  |  |  |  |
| Channel            |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| Frequency (MHz)    |            |         |           |                    |                            |                            |                           |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 0         | 15.47              | 15.61                      | 15.43                      | 17.1                      | 0           |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 20        | 15.28              | 15.28                      | 15.28                      |                           |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 1         | 15.27              | 15.40                      | 15.30                      |                           |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 0         | 15.26              | 15.32                      | 15.30                      |                           |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 0         | 15.11              | 15.24                      | 15.20                      | 17.1                      | 0           |  |  |  |  |  |  |
| 1.4                | QPSK       | 3       | 3         | 15.19              | 15.25                      | 15.27                      |                           |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 6       | 0         | 15.18              | 15.22                      | 15.15                      |                           |             |  |  |  |  |  |  |
| 1.4                | QPSK       | 1       | 0         | 15.15              | 15.22                      | 15.22                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 15.17              | 15.22                      | 15.22                      | 17.1                      | 0           |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 8         | 15.20              | 15.20                      | 15.22                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 16        | 15.22              | 15.22                      | 15.20                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 3       | 3         | 15.10              | 15.12                      | 15.27                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 3       | 3         | 15.19              | 15.23                      | 15.13                      | 17.1                      | 0           |  |  |  |  |  |  |
| 1.4                | HQAM       | 3       | 3         | 15.17              | 15.19                      | 15.14                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 3       | 3         | 15.23              | 15.19                      | 15.17                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 3       | 3         | 15.13              | 15.22                      | 15.15                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 6       | 0         | 15.13              | 15.22                      | 15.11                      | 17.1                      | 0           |  |  |  |  |  |  |
| 1.4                | HQAM       | 6       | 0         | 15.13              | 15.22                      | 15.11                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 6       | 0         | 15.13              | 15.22                      | 15.11                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 6       | 0         | 15.13              | 15.22                      | 15.11                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 15.20              | 15.12                      | 15.14                      | 17.1                      | 0           |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 15.18              | 15.17                      | 15.18                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 15.18              | 15.17                      | 15.18                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 1       | 0         | 15.18              | 15.17                      | 15.18                      |                           |             |  |  |  |  |  |  |
| 1.4                | HQAM       | 3       | 3         | 15.15              |                            |                            |                           |             |  |  |  |  |  |  |

## Full&amp;Default Power Mode

| n5 Ant0 Default |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |     |
| 20              | PI/2 BPSK  | 1       | 1         | 22.91                 | 23.00                    | 22.92                  |                     |          |     |
| 20              | PI/2 BPSK  | 1       | 53        | 22.81                 | 22.92                    | 22.83                  | 24.0                | 0.0      |     |
| 20              | PI/2 BPSK  | 1       | 104       | 22.63                 | 22.75                    | 22.60                  |                     |          |     |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53                 | 22.61                    | 22.56                  |                     |          |     |
| 20              | PI/2 BPSK  | 50      | 28        | 22.85                 | 22.95                    | 22.91                  | 23.5                | 0.5      |     |
| 20              | PI/2 BPSK  | 50      | 56        | 22.30                 | 22.42                    | 22.33                  |                     |          |     |
| 20              | PI/2 BPSK  | 100     | 0         | 22.42                 | 22.56                    | 22.51                  |                     |          |     |
| 20              | QPSK       | 1       | 1         | 23.13                 | 23.17                    | 23.09                  | 24.0                | 0.0      |     |
| 20              | QPSK       | 1       | 53        | 22.90                 | 22.98                    | 22.83                  |                     |          |     |
| 20              | QPSK       | 1       | 104       | 22.73                 | 22.82                    | 22.66                  |                     |          |     |
| 20              | QPSK       | 50      | 0         | 22.05                 | 22.11                    | 22.05                  | 23.0                | 1.0      |     |
| 20              | QPSK       | 50      | 28        | 22.84                 | 22.94                    | 22.88                  |                     |          |     |
| 20              | QPSK       | 50      | 56        | 21.78                 | 21.89                    | 21.84                  |                     |          |     |
| 20              | QPSK       | 100     | 0         | 21.94                 | 22.00                    | 21.94                  | 23.0                | 1.0      |     |
| 20              | 16QAM      | 1       | 1         | 21.94                 | 22.10                    | 22.03                  |                     |          |     |
| 20              | 64QAM      | 1       | 1         | 21.06                 | 21.18                    | 21.12                  |                     |          |     |
| 20              | 256QAM     | 1       | 1         | 18.92                 | 18.98                    | 18.87                  | 19.5                |          | 4.5 |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |     |
| 15              | QPSK       | 1       | 1         | 23.00                 | 23.10                    | 23.04                  |                     |          |     |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |     |
| 10              | QPSK       | 1       | 1         | 23.08                 | 23.07                    | 23.00                  |                     |          |     |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | 24.0                | 0.0      |     |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |     |
| 5               | QPSK       | 1       | 1         | 23.02                 | 23.02                    | 23.03                  |                     |          |     |

| n26 Ant0 Default |            |         |           |                       |                          |                        |                     |          |     |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel          |            |         |           | 164800                | 166300                   | 167800                 | 24.0                | 0.0      |     |
| Frequency (MHz)  |            |         |           | 824                   | 831.5                    | 839                    |                     |          |     |
| 20               | PI/2 BPSK  | 1       | 1         | 22.90                 | 23.00                    | 22.91                  |                     |          |     |
| 20               | PI/2 BPSK  | 1       | 53        | 22.80                 | 22.92                    | 22.80                  | 24.0                | 0.0      |     |
| 20               | PI/2 BPSK  | 1       | 104       | 22.74                 | 22.84                    | 22.79                  |                     |          |     |
| 20               | PI/2 BPSK  | 50      | 0         | 22.49                 | 22.65                    | 22.57                  |                     |          |     |
| 20               | PI/2 BPSK  | 50      | 28        | 22.86                 | 22.94                    | 22.79                  | 23.5                | 0.5      |     |
| 20               | PI/2 BPSK  | 50      | 56        | 22.37                 | 22.49                    | 22.35                  |                     |          |     |
| 20               | PI/2 BPSK  | 100     | 0         | 22.47                 | 22.60                    | 22.52                  |                     |          |     |
| 20               | QPSK       | 1       | 1         | 22.96                 | 23.03                    | 22.92                  | 24.0                | 0.0      |     |
| 20               | QPSK       | 1       | 53        | 22.86                 | 22.95                    | 22.85                  |                     |          |     |
| 20               | QPSK       | 1       | 104       | 22.78                 | 22.89                    | 22.85                  |                     |          |     |
| 20               | QPSK       | 50      | 0         | 22.00                 | 22.10                    | 21.96                  | 23.0                | 1.0      |     |
| 20               | QPSK       | 50      | 28        | 22.85                 | 22.98                    | 22.90                  |                     |          |     |
| 20               | QPSK       | 50      | 56        | 21.86                 | 21.97                    | 21.86                  |                     |          |     |
| 20               | QPSK       | 100     | 0         | 21.93                 | 22.07                    | 21.92                  | 23.0                | 1.0      |     |
| 20               | 16QAM      | 1       | 1         | 22.17                 | 22.23                    | 22.19                  |                     |          |     |
| 20               | 64QAM      | 1       | 1         | 20.50                 | 20.60                    | 20.45                  |                     |          |     |
| 20               | 256QAM     | 1       | 1         | 18.50                 | 18.57                    | 18.52                  | 19.5                |          | 4.5 |
| Channel          |            |         |           | 164300                | 166300                   | 168300                 | 24.0                | 0.0      |     |
| Frequency (MHz)  |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |     |
| 15               | QPSK       | 1       | 1         | 22.86                 | 22.94                    | 22.79                  |                     |          |     |
| Channel          |            |         |           | 163800                | 166300                   | 168800                 | 24.0                | 0.0      |     |
| Frequency (MHz)  |            |         |           | 819                   | 831.5                    | 844                    |                     |          |     |
| 10               | QPSK       | 1       | 1         | 22.89                 | 22.95                    | 22.84                  |                     |          |     |
| Channel          |            |         |           | 163300                | 166300                   | 169300                 | 24.0                | 0.0      |     |
| Frequency (MHz)  |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |     |
| 5                | QPSK       | 1       | 1         | 22.84                 | 22.97                    | 22.81                  |                     |          |     |



| n2 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dbm) | MPR (db) |  |  |  |
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | 24.0                | 0.0      |  |  |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |  |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.56                 | 22.71                    | 22.56                  |                     |          |  |  |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.61                 | 22.72                    | 22.66                  |                     |          |  |  |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.54                 | 22.65                    | 22.53                  |                     |          |  |  |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.27                 | 22.32                    | 22.25                  | 23.5                | 0.5      |  |  |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.69                 | 22.77                    | 22.70                  | 24.0                | 0.0      |  |  |  |
| 20              | PI2 BPSK   | 50      | 58        | 22.30                 | 22.38                    | 22.30                  | 23.5                | 0.5      |  |  |  |
| 20              | PI2 BPSK   | 100     | 0         | 22.25                 | 22.35                    | 22.29                  | 24.0                | 0.0      |  |  |  |
| 20              | QPSK       | 1       | 1         | 22.74                 | 22.76                    | 22.67                  |                     |          |  |  |  |
| 20              | QPSK       | 1       | 53        | 22.62                 | 22.72                    | 22.61                  |                     |          |  |  |  |
| 20              | QPSK       | 1       | 104       | 22.68                 | 22.74                    | 22.63                  |                     |          |  |  |  |
| 20              | QPSK       | 50      | 0         | 21.76                 | 21.87                    | 21.82                  | 23.0                | 1.0      |  |  |  |
| 20              | QPSK       | 50      | 28        | 22.68                 | 22.74                    | 22.67                  | 24.0                | 0.0      |  |  |  |
| 20              | QPSK       | 50      | 58        | 21.80                 | 21.85                    | 21.70                  | 23.0                | 1.0      |  |  |  |
| 20              | QPSK       | 100     | 0         | 21.79                 | 21.88                    | 21.76                  | 23.0                | 1.0      |  |  |  |
| 20              | 16QAM      | 1       | 1         | 21.90                 | 22.03                    | 21.98                  |                     |          |  |  |  |
| 20              | 64QAM      | 1       | 1         | 20.20                 | 20.35                    | 20.30                  |                     |          |  |  |  |
| 20              | 256QAM     | 1       | 1         | 18.20                 | 18.30                    | 18.25                  |                     |          |  |  |  |
| 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         | 22.59                 | 22.73                    | 22.58                  |                     |          |  |  |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dbm) | MPR (db) |  |  |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   | 24.0                | 0.0      |  |  |  |
| 10              | QPSK       | 1       | 1         | 22.60                 | 22.65                    | 22.59                  |                     |          |  |  |  |
| 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         | 22.60                 | 22.68                    | 22.61                  |                     |          |  |  |  |

| n7 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 510000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.52                 | 22.62                    | 22.55                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 22.55                 | 22.63                    | 22.57                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 214       | 22.55                 | 22.59                    | 22.54                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 22.08                 | 22.14                    | 22.01                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 54        | 22.37                 | 22.42                    | 22.31                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 22.08                 | 22.15                    | 22.08                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 216     | 0         | 22.06                 | 22.12                    | 21.98                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.85                 | 22.75                    | 22.62                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.47                 | 22.56                    | 22.45                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.40                 | 22.50                    | 22.46                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.52                 | 21.63                    | 21.52                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 22.44                 | 22.53                    | 22.49                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 21.59                 | 21.66                    | 21.56                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 21.59                 | 21.64                    | 21.59                  | 23.0                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.85                 | 21.97                    | 21.88                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.16                 | 20.30                    | 20.19                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.17                 | 18.25                    | 18.13                  |                     |          |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 22.53                 | 22.64                    | 22.54                  |                     |          |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 24.0                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 22.59                 | 22.64                    | 22.57                  |                     |          |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.57                 | 22.60                    | 22.49                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.59                 | 22.67                    | 22.57                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.59                 | 22.69                    | 22.49                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.55                 | 22.59                    | 22.52                  |                     |          |  |

| n66 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 346000                | 348000                   | 350000                 | 24.0                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40               | PI2 BPSK   | 1       | 1         | 22.80                 | 22.91                    | 22.84                  |                     |          |  |
| 40               | PI2 BPSK   | 1       | 108       | 22.73                 | 22.85                    | 22.80                  | 24.0                | 0.0      |  |
| 40               | PI2 BPSK   | 1       | 214       | 22.79                 | 22.84                    | 22.75                  | 23.5                | 0.5      |  |
| 40               | PI2 BPSK   | 108     | 0         | 22.38                 | 22.53                    | 22.45                  | 23.5                | 0.5      |  |
| 40               | PI2 BPSK   | 108     | 54        | 22.75                 | 22.86                    | 22.80                  | 24.0                | 0.0      |  |
| 40               | PI2 BPSK   | 108     | 108       | 22.47                 | 22.57                    | 22.43                  | 23.5                | 0.5      |  |
| 40               | PI2 BPSK   | 216     | 0         | 22.41                 | 22.56                    | 22.50                  | 24.0                | 0.0      |  |
| 40               | QPSK       | 1       | 1         | 22.90                 | 22.94                    | 22.87                  |                     |          |  |
| 40               | QPSK       | 1       | 108       | 22.78                 | 22.93                    | 22.85                  |                     |          |  |
| 40               | QPSK       | 1       | 214       | 22.71                 | 22.78                    | 22.65                  |                     |          |  |
| 40               | QPSK       | 108     | 0         | 21.92                 | 22.07                    | 22.03                  | 23.0                | 1.0      |  |
| 40               | QPSK       | 108     | 54        | 22.84                 | 22.93                    | 22.89                  | 24.0                | 0.0      |  |
| 40               | QPSK       | 108     | 108       | 21.97                 | 22.06                    | 22.02                  | 23.0                | 1.0      |  |
| 40               | QPSK       | 216     | 0         | 21.97                 | 22.04                    | 21.88                  | 23.0                | 1.0      |  |
| 40               | 16QAM      | 1       | 1         | 21.97                 | 22.13                    | 22.07                  |                     |          |  |
| 40               | 64QAM      | 1       | 1         | 20.48                 | 20.56                    | 20.47                  |                     |          |  |
| 40               | 256QAM     | 1       | 1         | 18.42                 | 18.50                    | 18.41                  |                     |          |  |
| Channel          |            |         |           | 345000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1725                  | 1745                     | 1765                   | 24.0                | 0.0      |  |
| 30               | QPSK       | 1       | 1         | 22.82                 | 22.85                    | 22.80                  |                     |          |  |
| Channel          |            |         |           | 344000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1720                  | 1745                     | 1770                   | 24.0                | 0.0      |  |
| 20               | QPSK       | 1       | 1         | 22.77                 | 22.83                    | 22.76                  |                     |          |  |
| Channel          |            |         |           | 343500                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1717.5                | 1745                     | 1772.5                 | 24.0                | 0.0      |  |
| 15               | QPSK       | 1       | 1         | 22.75                 | 22.80                    | 22.73                  |                     |          |  |
| Channel          |            |         |           | 343000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1715                  | 1745                     | 1775                   | 24.0                | 0.0      |  |
| 10               | QPSK       | 1       | 1         | 22.84                 | 22.82                    | 22.75                  |                     |          |  |
| Channel          |            |         |           | 342500                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1712.5                | 1745                     | 1777.5                 | 24.0                | 0.0      |  |
| 5                | QPSK       | 1       | 1         | 22.78                 | 22.79                    | 22.80                  |                     |          |  |

| n38 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 518004                | 519000                   | 519996                 | 24.0                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 1         | 23.13                 | 23.19                    | 23.11                  |                     |          |  |
| 40               | PI/2 BPSK  | 1       | 53        | 23.04                 | 23.10                    | 22.96                  | 23.5                | 0.5      |  |
| 40               | PI/2 BPSK  | 1       | 104       | 23.06                 | 23.13                    | 23.06                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 0         | 22.75                 | 22.82                    | 22.69                  |                     |          |  |
| 40               | PI/2 BPSK  | 50      | 28        | 22.98                 | 23.12                    | 23.07                  | 24.0                | 0.0      |  |
| 40               | PI/2 BPSK  | 50      | 56        | 22.63                 | 22.73                    | 22.65                  | 23.5                | 0.5      |  |
| 40               | PI/2 BPSK  | 100     | 0         | 22.57                 | 22.70                    | 22.62                  |                     |          |  |
| 40               | QPSK       | 1       | 1         | 23.22                 | 23.28                    | 23.16                  |                     |          |  |
| 40               | QPSK       | 1       | 53        | 23.02                 | 23.16                    | 23.07                  | 24.0                | 0.0      |  |
| 40               | QPSK       | 1       | 104       | 23.04                 | 23.11                    | 22.96                  |                     |          |  |
| 40               | QPSK       | 50      | 0         | 22.13                 | 22.26                    | 22.16                  |                     |          |  |
| 40               | QPSK       | 50      | 28        | 22.98                 | 23.10                    | 23.04                  | 24.0                | 0.0      |  |
| 40               | QPSK       | 50      | 56        | 22.10                 | 22.25                    | 22.11                  | 23.0                | 1.0      |  |
| 40               | QPSK       | 100     | 0         | 22.17                 | 22.23                    | 22.13                  |                     |          |  |
| 40               | 16QAM      | 1       | 1         | 22.30                 | 22.43                    | 22.34                  |                     |          |  |
| 40               | 64QAM      | 1       | 1         | 20.71                 | 20.81                    | 20.75                  | 21.5                | 2.5      |  |
| 40               | 256QAM     | 1       | 1         | 18.61                 | 18.70                    | 18.66                  | 19.5                | 4.5      |  |
| Channel          |            |         |           | 517002                | 519000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2585.01               | 2595                     | 2604.99                | 24.0                | 0.0      |  |
| 30               | QPSK       | 1       | 1         | 23.17                 | 23.20                    | 23.03                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2580                  | 2595                     | 2610                   | 24.0                | 0.0      |  |
| 20               | QPSK       | 1       | 1         | 23.08                 | 23.21                    | 23.10                  | 24.0                | 0.0      |  |

| n41 Ant1 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 509202                | 518598                   | 528000                 | 24.0                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 2544.01               | 2592.99                  | 2640                   |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 1         | 22.58                 | 22.72                    | 22.64                  |                     |          |  |
| 100              | PI/2 BPSK  | 1       | 137       | 22.45                 | 22.54                    | 22.43                  | 23.5                | 0.5      |  |
| 100              | PI/2 BPSK  | 1       | 271       | 22.62                 | 22.73                    | 22.63                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 0         | 22.15                 | 22.28                    | 22.14                  |                     |          |  |
| 100              | PI/2 BPSK  | 135     | 69        | 22.60                 | 22.72                    | 22.65                  | 24.0                | 0.0      |  |
| 100              | PI/2 BPSK  | 135     | 138       | 22.26                 | 22.34                    | 22.23                  | 23.5                | 0.5      |  |
| 100              | PI/2 BPSK  | 270     | 0         | 22.27                 | 22.35                    | 22.24                  |                     |          |  |
| 100              | QPSK       | 1       | 1         | 22.90                 | 23.04                    | 22.94                  |                     |          |  |
| 100              | QPSK       | 1       | 137       | 22.67                 | 22.72                    | 22.67                  | 24.0                | 0.0      |  |
| 100              | QPSK       | 1       | 271       | 22.67                 | 22.81                    | 22.73                  |                     |          |  |
| 100              | QPSK       | 135     | 0         | 21.71                 | 21.79                    | 21.67                  |                     |          |  |
| 100              | QPSK       | 135     | 69        | 22.65                 | 22.69                    | 22.64                  | 24.0                | 0.0      |  |
| 100              | QPSK       | 135     | 138       | 21.75                 | 21.86                    | 21.80                  | 23.0                | 1.0      |  |
| 100              | QPSK       | 270     | 0         | 21.77                 | 21.87                    | 21.80                  |                     |          |  |
| 100              | 16QAM      | 1       | 1         | 21.68                 | 21.79                    | 21.70                  |                     |          |  |
| 100              | 64QAM      | 1       | 1         | 20.26                 | 20.41                    | 20.35                  | 21.5                | 2.5      |  |
| 100              | 256QAM     | 1       | 1         | 18.28                 | 18.36                    | 18.25                  | 19.5                | 4.5      |  |
| Channel          |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2541                  | 2592.99                  | 2644.98                | 24.0                | 0.0      |  |
| 90               | QPSK       | 1       | 1         | 22.80                 | 22.92                    | 22.79                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2536.02               | 2592.99                  | 2649.99                | 24.0                | 0.0      |  |
| 80               | QPSK       | 1       | 1         | 22.77                 | 22.94                    | 22.82                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2531.01               | 2592.99                  | 2655                   | 24.0                | 0.0      |  |
| 70               | QPSK       | 1       | 1         | 22.81                 | 22.93                    | 22.85                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2526                  | 2592.99                  | 2659.98                | 24.0                | 0.0      |  |
| 60               | QPSK       | 1       | 1         | 22.79                 | 22.95                    | 22.84                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2521.02               | 2592.99                  | 2664.99                | 24.0                | 0.0      |  |
| 50               | QPSK       | 1       | 1         | 22.81                 | 22.92                    | 22.78                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2516.01               | 2592.99                  | 2670                   | 24.0                | 0.0      |  |
| 40               | QPSK       | 1       | 1         | 22.75                 | 22.94                    | 22.83                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2511                  | 2592.99                  | 2674.98                | 24.0                | 0.0      |  |
| 30               | QPSK       | 1       | 1         | 22.81                 | 22.94                    | 22.82                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2506.02               | 2592.99                  | 2679.99                | 24.0                | 0.0      |  |
| 20               | QPSK       | 1       | 1         | 22.83                 | 22.95                    | 22.80                  | 24.0                | 0.0      |  |



| n2 Ant4 Default |            |         |           |                       |                          |                        |                     |                     |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB)            |  |
| Channel         |            |         |           | 370000                | 370000                   | 380000                 | 23.0                | 0.0                 |  |
| Frequency (MHz) |            |         |           | 1860                  | 1860                     | 1900                   |                     |                     |  |
| 20              | PI2 BPSK   | 1       | 1         | 21.48                 | 21.63                    | 21.52                  |                     |                     |  |
| 20              | PI2 BPSK   | 1       | 53        | 21.42                 | 21.56                    | 21.40                  |                     |                     |  |
| 20              | PI2 BPSK   | 1       | 104       | 21.46                 | 21.54                    | 21.44                  | 22.5                | 0.5                 |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.07                 | 21.19                    | 21.08                  |                     |                     |  |
| 20              | PI2 BPSK   | 50      | 28        | 21.47                 | 21.58                    | 21.50                  |                     |                     |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.02                 | 21.14                    | 21.06                  |                     |                     |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.09                 | 21.16                    | 21.09                  | 22.5                | 0.5                 |  |
| 20              | QPSK       | 1       | 1         | 21.86                 | 21.96                    | 21.80                  |                     |                     |  |
| 20              | QPSK       | 1       | 53        | 21.69                 | 21.76                    | 21.73                  |                     |                     |  |
| 20              | QPSK       | 1       | 104       | 21.66                 | 21.70                    | 21.63                  |                     |                     |  |
| 20              | QPSK       | 50      | 0         | 20.58                 | 20.64                    | 20.58                  | 22.0                | 1.0                 |  |
| 20              | QPSK       | 50      | 28        | 21.51                 | 21.64                    | 21.50                  |                     |                     |  |
| 20              | QPSK       | 50      | 56        | 20.59                 | 20.64                    | 20.54                  |                     |                     |  |
| 20              | QPSK       | 100     | 0         | 20.60                 | 20.65                    | 20.61                  |                     |                     |  |
| 20              | 16QAM      | 1       | 1         | 20.63                 | 20.71                    | 20.64                  | 22.0                | 1.0                 |  |
| 20              | 64QAM      | 1       | 1         | 19.38                 | 19.47                    | 19.41                  |                     |                     |  |
| 20              | 256QAM     | 1       | 1         | 17.36                 | 17.48                    | 17.41                  |                     | 18.5                |  |
| Channel         |            |         |           | 371500                | 370000                   | 380000                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 1867.5                | 1860                     | 1902.5                 |                     | Tune-up limit (dBm) |  |
| 15              | QPSK       | 1       | 1         | 21.75                 | 21.87                    | 21.72                  |                     | 23.0                |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 1905                  | 1900                     | 1905                   |                     |                     |  |
| 10              | QPSK       | 1       | 1         | 21.72                 | 21.87                    | 21.71                  | 23.0                | 0.0                 |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 1862.5                | 1860                     | 1907.5                 |                     |                     |  |
| 5               | QPSK       | 1       | 1         | 21.76                 | 21.83                    | 21.66                  |                     |                     |  |

| n5 Ant4 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 166800                | 167000                   | 167800                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.57                 | 22.68                    | 22.59                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.40                 | 22.49                    | 22.35                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.20                 | 22.31                    | 22.26                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.18                 | 22.23                    | 22.13                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.35                 | 22.49                    | 22.39                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.95                 | 22.04                    | 21.96                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.77                 | 21.93                    | 21.79                  | 22.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 22.72                 | 22.77                    | 22.65                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.40                 | 22.47                    | 22.40                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.25                 | 22.29                    | 22.21                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.55                 | 21.69                    | 21.61                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.43                 | 22.51                    | 22.41                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 21.32                 | 21.46                    | 21.36                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.51                 | 21.61                    | 21.57                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.77                 | 21.92                    | 21.83                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.93                 | 20.03                    | 19.91                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.32                 | 18.47                    | 18.36                  |                     | 18.5     |  |
| Channel         |            |         |           | 166300                | 167000                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.60                 | 22.71                    | 22.52                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.56                 | 22.62                    | 22.50                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 166300                | 167300                   | 169300                 |                     |          |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.64                 | 22.66                    | 22.57                  |                     |          |  |

| n7 Ant4 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.52                 | 22.67                    | 22.48                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 22.64                 | 22.74                    | 22.58                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 22.69                 | 22.77                    | 22.69                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 22.17                 | 22.28                    | 22.11                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 22.55                 | 22.64                    | 22.57                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 108       | 22.31                 | 22.41                    | 22.30                  |                     |          |  |
| 40              | PI2 BPSK   | 216     | 0         | 22.27                 | 22.38                    | 22.24                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.81                 | 22.82                    | 22.59                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.81                 | 22.80                    | 22.82                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.65                 | 22.70                    | 22.62                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.70                 | 21.80                    | 21.78                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 22.69                 | 22.78                    | 22.59                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 21.86                 | 21.92                    | 21.78                  |                     |          |  |
| 40              | QPSK       | 216     | 0         | 21.75                 | 21.80                    | 21.79                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 21.82                 | 21.98                    | 21.81                  | 23.0                | 1.0      |  |
| 40              | 64QAM      | 1       | 1         | 20.25                 | 20.30                    | 20.25                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.29                 | 18.33                    | 18.30                  |                     | 19.5     |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.53                 | 22.69                    | 22.50                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 22.29                 | 22.74                    | 22.51                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.50                 | 22.65                    | 22.55                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.48                 | 22.80                    | 22.42                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.47                 | 22.76                    | 22.61                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.54                 | 22.73                    | 22.54                  |                     |          |  |

| n26 Ant4 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 164800                | 166300                   | 167800                 | 24.0                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20               | Pl/2 BPSK  | 1       | 1         | 22.62                 | 22.68                    | 22.57                  |                     |          |  |
| 20               | Pl/2 BPSK  | 1       | 53        | 22.54                 | 22.58                    | 22.42                  | 23.5                | 0.5      |  |
| 20               | Pl/2 BPSK  | 1       | 104       | 22.32                 | 22.45                    | 22.29                  |                     |          |  |
| 20               | Pl/2 BPSK  | 50      | 0         | 22.24                 | 22.34                    | 22.23                  |                     |          |  |
| 20               | Pl/2 BPSK  | 50      | 28        | 22.54                 | 22.60                    | 22.49                  | 24.0                | 0.0      |  |
| 20               | Pl/2 BPSK  | 50      | 56        | 22.00                 | 22.08                    | 21.94                  | 23.5                | 0.5      |  |
| 20               | Pl/2 BPSK  | 100     | 0         | 22.16                 | 22.28                    | 22.15                  | 24.0                | 0.0      |  |
| 20               | QPSK       | 1       | 1         | 22.67                 | 22.81                    | 22.74                  |                     |          |  |
| 20               | QPSK       | 1       | 53        | 22.50                 | 22.81                    | 22.47                  |                     |          |  |
| 20               | QPSK       | 1       | 104       | 22.39                 | 22.49                    | 22.37                  | 23.0                | 1.0      |  |
| 20               | QPSK       | 50      | 0         | 21.71                 | 21.81                    | 21.75                  |                     |          |  |
| 20               | QPSK       | 50      | 28        | 22.43                 | 22.58                    | 22.44                  | 24.0                | 0.0      |  |
| 20               | QPSK       | 50      | 56        | 21.42                 | 21.58                    | 21.42                  | 23.0                | 1.0      |  |
| 20               | QPSK       | 100     | 0         | 21.60                 | 21.73                    | 21.63                  | 23.0                | 1.0      |  |
| 20               | 16QAM      | 1       | 1         | 21.79                 | 21.93                    | 21.83                  |                     |          |  |
| 20               | 64QAM      | 1       | 1         | 20.31                 | 20.42                    | 20.31                  | 21.5                | 2.5      |  |
| 20               | 256QAM     | 1       | 1         | 18.38                 | 18.48                    | 18.39                  | 19.5                | 4.5      |  |
| Channel          |            |         |           | 164300                | 165300                   | 166300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 821.5                 | 831.5                    | 841.5                  | 24.0                | 0.0      |  |
| 15               | QPSK       | 1       | 1         | 22.59                 | 22.71                    | 22.68                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 815                   | 831.5                    | 844                    | 24.0                | 0.0      |  |
| 10               | QPSK       | 1       | 1         | 22.63                 | 22.76                    | 22.58                  | 24.0                | 0.0      |  |
| Channel          |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 816.5                 | 831.5                    | 846.5                  | 24.0                | 0.0      |  |
| 5                | QPSK       | 1       | 1         | 22.56                 | 22.70                    | 22.65                  | 24.0                | 0.0      |  |

| n66 Ant4 Default |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 346000                | 349000                   | 352000                 | 23.0                | 0.0      |  |
| Frequency (MHz)  |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40               | Pl/2 BPSK  | 1       | 1         | 21.71                 | 21.79                    | 21.67                  |                     |          |  |
| 40               | Pl/2 BPSK  | 1       | 108       | 21.73                 | 21.83                    | 21.77                  | 22.5                | 0.5      |  |
| 40               | Pl/2 BPSK  | 1       | 214       | 21.71                 | 21.87                    | 21.76                  |                     |          |  |
| 40               | Pl/2 BPSK  | 108     | 0         | 21.37                 | 21.42                    | 21.32                  | 22.5                | 0.0      |  |
| 40               | Pl/2 BPSK  | 108     | 54        | 21.70                 | 21.85                    | 21.75                  | 23.0                | 0.5      |  |
| 40               | Pl/2 BPSK  | 108     | 108       | 21.42                 | 21.56                    | 21.44                  | 22.5                | 0.0      |  |
| 40               | Pl/2 BPSK  | 216     | 0         | 21.39                 | 21.48                    | 21.35                  | 23.0                | 0.0      |  |
| 40               | QPSK       | 1       | 1         | 21.91                 | 21.99                    | 21.84                  |                     |          |  |
| 40               | QPSK       | 1       | 108       | 21.76                 | 21.85                    | 21.75                  |                     |          |  |
| 40               | QPSK       | 1       | 214       | 21.88                 | 21.96                    | 21.82                  | 22.0                | 1.0      |  |
| 40               | QPSK       | 108     | 0         | 20.88                 | 21.00                    | 20.85                  | 23.0                | 0.0      |  |
| 40               | QPSK       | 108     | 54        | 21.74                 | 21.87                    | 21.75                  | 22.0                | 1.0      |  |
| 40               | QPSK       | 108     | 108       | 21.04                 | 21.10                    | 20.98                  | 22.0                | 1.0      |  |
| 40               | QPSK       | 216     | 0         | 20.94                 | 20.99                    | 20.93                  |                     |          |  |
| 40               | 16QAM      | 1       | 1         | 21.03                 | 21.09                    | 20.98                  | 22.0                | 1.0      |  |
| 40               | 64QAM      | 1       | 1         | 19.41                 | 19.57                    | 19.51                  | 20.5                | 2.5      |  |
| 40               | 256QAM     | 1       | 1         | 17.43                 | 17.56                    | 17.41                  | 18.5                | 4.5      |  |
| Channel          |            |         |           | 345500                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1728                  | 1745                     | 1765                   | 23.0                | 0.0      |  |
| 30               | QPSK       | 1       | 1         | 21.80                 | 21.83                    | 21.80                  | 23.0                | 0.0      |  |
| Channel          |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1720                  | 1745                     | 1770                   | 23.0                | 0.0      |  |
| 20               | QPSK       | 1       | 1         | 21.85                 | 21.94                    | 21.69                  | 23.0                | 0.0      |  |
| Channel          |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1717.5                | 1745                     | 1772.5                 | 23.0                | 0.0      |  |
| 15               | QPSK       | 1       | 1         | 21.81                 | 21.91                    | 21.71                  | 23.0                | 0.0      |  |
| Channel          |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1715                  | 1745                     | 1775                   | 23.0                | 0.0      |  |
| 10               | QPSK       | 1       | 1         | 21.80                 | 21.84                    | 21.77                  | 23.0                | 0.0      |  |
| Channel          |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 1712.5                | 1745                     | 1777.5                 | 23.0                | 0.0      |  |
| 5                | QPSK       | 1       | 1         | 21.85                 | 21.90                    | 21.70                  | 23.0                | 0.0      |  |

| Part27Q n78 Ant3 Default |            |         |           |                             |                                |                              |                        |             |
|--------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel                  |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 100                      | PI/2 BPSK  | 1       | 1         | 23.23                       | 23.18                          | 23.25                        | 24.0                   | 0.0         |
| 100                      | PI/2 BPSK  | 1       | 137       | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| 100                      | PI/2 BPSK  | 1       | 271       | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 100                      | PI/2 BPSK  | 135     | 0         | 23.17                       | 23.20                          | 23.19                        | 24.0                   | 0.0         |
| 100                      | PI/2 BPSK  | 135     | 69        | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| 100                      | PI/2 BPSK  | 135     | 138       | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 100                      | PI/2 BPSK  | 270     | 0         | 23.28                       | 23.22                          | 23.23                        | 24.0                   | 0.0         |
| 100                      | QPSK       | 1       | 1         | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| 100                      | QPSK       | 1       | 137       | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 100                      | QPSK       | 1       | 271       | 23.29                       | 23.21                          | 23.19                        | 24.0                   | 0.0         |
| 100                      | QPSK       | 135     | 0         | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| 100                      | QPSK       | 135     | 69        | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 100                      | QPSK       | 135     | 138       | 23.17                       | 23.21                          | 23.26                        | 24.0                   | 0.0         |
| 100                      | QPSK       | 270     | 0         | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| 100                      | 16QAM      | 1       | 1         | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 100                      | 64QAM      | 1       | 1         | 23.23                       | 23.18                          | 23.25                        | 24.0                   | 0.0         |
| 100                      | 256QAM     | 1       | 1         | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Channel                  |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| Frequency (MHz)          |            |         |           | 23.26                       | 23.19                          | 23.19                        | 24.0                   | 0.0         |
| Channel                  |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20                       | QPSK       | 1       | 1         | 23.20                       | 23.25                          | 23.28                        | 24.0                   | 0.0         |

| Part27Q n78 Ant5 Default |            |         |           |                             |                                |                              |                        |             |
|--------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel                  |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz)          |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100                      | PI/2 BPSK  | 1       | 1         |                             | 20.58                          |                              |                        |             |
| 100                      | PI/2 BPSK  | 1       | 137       |                             | 20.80                          |                              | 22.0                   | 0.0         |
| 100                      | PI/2 BPSK  | 1       | 271       |                             | 20.89                          |                              |                        |             |
| 100                      | PI/2 BPSK  | 135     | 0         |                             | 20.36                          |                              | 21.5                   | 0.5         |
| 100                      | PI/2 BPSK  | 135     | 69        |                             | 20.76                          |                              | 22.0                   | 0.0         |
| 100                      | PI/2 BPSK  | 135     | 138       |                             | 20.42                          |                              | 21.5                   | 0.5         |
| 100                      | PI/2 BPSK  | 270     | 0         |                             | 20.37                          |                              |                        |             |
| 100                      | QPSK       | 1       | 1         |                             | 20.93                          |                              |                        |             |
| 100                      | QPSK       | 1       | 137       |                             | 20.78                          |                              | 22.0                   | 0.0         |
| 100                      | QPSK       | 1       | 271       |                             | 20.89                          |                              |                        |             |
| 100                      | QPSK       | 135     | 0         |                             | 19.81                          |                              | 21.0                   | 1.0         |
| 100                      | QPSK       | 135     | 69        |                             | 20.74                          |                              | 22.0                   | 0.0         |
| 100                      | QPSK       | 135     | 138       |                             | 20.01                          |                              |                        |             |
| 100                      | QPSK       | 270     | 0         |                             | 19.90                          |                              | 21.0                   | 1.0         |
| 100                      | 16QAM      | 1       | 1         |                             | 19.71                          |                              | 21.0                   | 1.0         |
| 100                      | 64QAM      | 1       | 1         |                             | 17.99                          |                              | 19.5                   | 2.5         |
| 100                      | 256QAM     | 1       | 1         |                             | 16.46                          |                              | 17.5                   | 4.5         |
| Channel                  |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90                       | QPSK       | 1       | 1         | 20.86                       | 20.86                          | 20.78                        | 22.0                   | 0.0         |
| Channel                  |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80                       | QPSK       | 1       | 1         | 20.80                       | 20.82                          | 20.78                        | 22.0                   | 0.0         |
| Channel                  |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70                       | QPSK       | 1       | 1         | 20.84                       | 20.82                          | 20.82                        | 22.0                   | 0.0         |
| Channel                  |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60                       | QPSK       | 1       | 1         | 20.78                       | 20.88                          | 20.87                        | 22.0                   | 0.0         |
| Channel                  |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50                       | QPSK       | 1       | 1         | 20.83                       | 20.82                          | 20.81                        | 22.0                   | 0.0         |
| Channel                  |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40                       | QPSK       | 1       | 1         | 20.85                       | 20.88                          | 20.84                        | 22.0                   | 0.0         |
| Channel                  |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30                       | QPSK       | 1       | 1         | 20.84                       | 20.81                          | 20.83                        | 22.0                   | 0.0         |
| Channel                  |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20                       | QPSK       | 1       | 1         | 20.83                       | 20.86                          | 20.87                        | 22.0                   | 0.0         |

## Part27Q n78 Ant7 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| Channel         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 20.78                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 20.88                          |                              | 22.0                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 20.86                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 20.46                          |                              | 21.5                   | 0.5         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 20.84                          |                              | 22.0                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 20.44                          |                              | 21.5                   | 0.5         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 20.45                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 20.96                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 20.90                          |                              | 22.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 20.86                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 19.91                          |                              | 21.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        |                             | 20.80                          |                              | 22.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 20.03                          |                              |                        |             |
| 100             | QPSK       | 270     | 0         |                             | 19.95                          |                              | 21.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         |                             | 19.89                          |                              | 21.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         |                             | 18.19                          |                              | 19.5                   | 2.5         |
| 100             | 256QAM     | 1       | 1         |                             | 16.65                          |                              | 17.5                   | 4.5         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 20.80                       | 20.86                          | 20.81                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 20.86                       | 20.89                          | 20.81                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 20.82                       | 20.81                          | 20.99                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 20.82                       | 20.91                          | 20.80                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 20.90                       | 20.85                          | 20.85                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 20.86                       | 20.81                          | 20.84                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 20.83                       | 20.86                          | 20.82                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 20.88                       | 20.87                          | 20.84                        | 22.0                   | 0.0         |

| Part27Q n78 Ant8 Default |            |         |           |                             |                                |                              |                        |             |
|--------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel                  |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz)          |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100                      | PI/2 BPSK  | 1       | 1         |                             | 19.79                          |                              |                        |             |
| 100                      | PI/2 BPSK  | 1       | 137       |                             | 19.86                          |                              | 21.0                   | 0.0         |
| 100                      | PI/2 BPSK  | 1       | 271       |                             | 19.98                          |                              |                        |             |
| 100                      | PI/2 BPSK  | 135     | 0         |                             | 18.57                          |                              | 20.5                   | 0.5         |
| 100                      | PI/2 BPSK  | 135     | 69        |                             | 19.91                          |                              | 21.0                   | 0.0         |
| 100                      | PI/2 BPSK  | 135     | 138       |                             | 18.53                          |                              | 20.5                   | 0.5         |
| 100                      | PI/2 BPSK  | 270     | 0         |                             | 18.54                          |                              |                        |             |
| 100                      | QPSK       | 1       | 1         |                             | 19.99                          |                              |                        |             |
| 100                      | QPSK       | 1       | 137       |                             | 19.80                          |                              | 21.0                   | 0.0         |
| 100                      | QPSK       | 1       | 271       |                             | 19.97                          |                              |                        |             |
| 100                      | QPSK       | 135     | 0         |                             | 18.08                          |                              | 20.0                   | 1.0         |
| 100                      | QPSK       | 135     | 69        |                             | 19.94                          |                              | 21.0                   | 0.0         |
| 100                      | QPSK       | 135     | 138       |                             | 18.07                          |                              |                        |             |
| 100                      | QPSK       | 270     | 0         |                             | 18.34                          |                              | 20.0                   | 1.0         |
| 100                      | 16QAM      | 1       | 1         |                             | 18.14                          |                              | 20.0                   | 1.0         |
| 100                      | 64QAM      | 1       | 1         |                             | 16.53                          |                              | 18.5                   | 2.5         |
| 100                      | 256QAM     | 1       | 1         |                             | 14.68                          |                              | 16.5                   | 4.5         |
| Channel                  |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90                       | QPSK       | 1       | 1         | 19.89                       | 19.86                          | 19.91                        | 21.0                   | 0.0         |
| Channel                  |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80                       | QPSK       | 1       | 1         | 19.89                       | 19.88                          | 19.94                        | 21.0                   | 0.0         |
| Channel                  |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70                       | QPSK       | 1       | 1         | 19.92                       | 19.88                          | 19.90                        | 21.0                   | 0.0         |
| Channel                  |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60                       | QPSK       | 1       | 1         | 19.85                       | 19.92                          | 19.84                        | 21.0                   | 0.0         |
| Channel                  |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50                       | QPSK       | 1       | 1         | 19.85                       | 19.91                          | 19.94                        | 21.0                   | 0.0         |
| Channel                  |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40                       | QPSK       | 1       | 1         | 19.86                       | 19.89                          | 19.94                        | 21.0                   | 0.0         |
| Channel                  |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30                       | QPSK       | 1       | 1         | 19.88                       | 19.86                          | 19.86                        | 21.0                   | 0.0         |
| Channel                  |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz)          |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20                       | QPSK       | 1       | 1         | 19.93                       | 19.92                          | 19.90                        | 21.0                   | 0.0         |

## Reduced Power Mode for DSI2

| n5 Ant0 DSI 2   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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              | PI/2 BPSK  | 1       | 1         | 22.91                 | 23.00                    | 22.92                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.81                 | 22.92                    | 22.83                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.63                 | 22.75                    | 22.60                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53                 | 22.61                    | 22.56                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.85                 | 22.95                    | 22.91                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.30                 | 22.42                    | 22.33                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.42                 | 22.56                    | 22.51                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.13                 | 23.17                    | 23.09                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.90                 | 22.98                    | 22.83                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.73                 | 22.82                    | 22.66                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.05                 | 22.11                    | 22.05                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.84                 | 22.94                    | 22.88                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.78                 | 21.89                    | 21.84                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.94                 | 22.00                    | 21.94                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.94                 | 22.10                    | 22.03                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.06                 | 21.18                    | 21.12                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.92                 | 18.98                    | 18.87                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.00                 | 23.10                    | 23.04                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.08                 | 23.07                    | 23.00                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.02                 | 23.02                    | 23.03                  | 24.0                | 0.0      |  |

| n26 Ant0 DSI 2  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 164800                | 166300                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.90                 | 23.00                    | 22.91                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.80                 | 22.92                    | 22.80                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.74                 | 22.84                    | 22.79                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.49                 | 22.65                    | 22.57                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.86                 | 22.94                    | 22.79                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.37                 | 22.49                    | 22.35                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.47                 | 22.60                    | 22.52                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.96                 | 23.03                    | 22.92                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.86                 | 22.95                    | 22.85                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.78                 | 22.89                    | 22.85                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.00                 | 22.10                    | 21.96                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.85                 | 22.98                    | 22.90                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.86                 | 21.97                    | 21.86                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.93                 | 22.07                    | 21.92                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.23                    | 22.19                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.50                 | 20.60                    | 20.45                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.50                 | 18.57                    | 18.52                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.86                 | 22.94                    | 22.79                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.89                 | 22.95                    | 22.84                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.84                 | 22.97                    | 22.81                  | 24.0                | 0.0      |  |



| n2 Ant1 DSI 2   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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         | 22.56                 | 22.71                    | 22.56                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.61                 | 22.72                    | 22.66                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.54                 | 22.65                    | 22.53                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.27                 | 22.32                    | 22.25                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.69                 | 22.77                    | 22.70                  | 24.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 58        | 22.30                 | 22.38                    | 22.30                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 22.25                 | 22.35                    | 22.29                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.74                 | 22.79                    | 22.67                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.62                 | 22.72                    | 22.61                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.68                 | 22.74                    | 22.63                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 21.76                 | 21.87                    | 21.82                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 22.68                 | 22.74                    | 22.67                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 21.80                 | 21.85                    | 21.70                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.79                 | 21.85                    | 21.76                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.90                 | 22.03                    | 21.98                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 20.20                 | 20.35                    | 20.30                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.20                 | 18.30                    | 18.25                  | 19.5                | 4.5      |  |
| 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         | 22.59                 | 22.73                    | 22.58                  |                     |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1905                  | 1920                     | 1905                   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.60                 | 22.65                    | 22.59                  |                     |          |  |
| 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         | 22.60                 | 22.68                    | 22.61                  |                     |          |  |

| n7 Ant1 DSI 2   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 510000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.52                 | 22.62                    | 22.55                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 22.55                 | 22.63                    | 22.57                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 214       | 22.55                 | 22.59                    | 22.54                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 22.08                 | 22.14                    | 22.01                  | 23.5                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 54        | 22.37                 | 22.42                    | 22.31                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 22.08                 | 22.15                    | 22.08                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 216     | 0         | 22.06                 | 22.12                    | 21.98                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.85                 | 22.75                    | 22.62                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.47                 | 22.58                    | 22.49                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.40                 | 22.50                    | 22.46                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 0         | 21.52                 | 21.63                    | 21.52                  |                     |          |  |
| 40              | QPSK       | 108     | 54        | 22.44                 | 22.53                    | 22.49                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 21.59                 | 21.66                    | 21.56                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 21.59                 | 21.64                    | 21.59                  | 23.0                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.85                 | 21.97                    | 21.88                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.16                 | 20.30                    | 20.19                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.17                 | 18.25                    | 18.13                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 22.53                 | 22.64                    | 22.54                  |                     |          |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 24.0                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 22.59                 | 22.64                    | 22.57                  |                     |          |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.57                 | 22.60                    | 22.49                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.59                 | 22.64                    | 22.57                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.59                 | 22.69                    | 22.49                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.55                 | 22.59                    | 22.52                  |                     |          |  |

| n66 Ant1 DSI 2  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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                | 348000                   | 350000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.80                 | 22.91                    | 22.84                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 22.73                 | 22.85                    | 22.80                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 214       | 22.79                 | 22.84                    | 22.75                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 22.38                 | 22.53                    | 22.46                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 54        | 22.75                 | 22.86                    | 22.80                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 22.47                 | 22.57                    | 22.43                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 216     | 0         | 22.41                 | 22.56                    | 22.50                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.90                 | 22.94                    | 22.87                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.78                 | 22.93                    | 22.89                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.71                 | 22.78                    | 22.65                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 0         | 21.92                 | 22.07                    | 22.03                  |                     |          |  |
| 40              | QPSK       | 108     | 54        | 22.84                 | 22.93                    | 22.89                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 21.97                 | 22.06                    | 22.02                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 21.97                 | 22.04                    | 21.88                  | 23.0                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.97                 | 22.13                    | 22.07                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.48                 | 20.56                    | 20.47                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.42                 | 18.50                    | 18.41                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 345000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 22.82                 | 22.85                    | 22.80                  |                     |          |  |
| Channel         |            |         |           | 344000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.77                 | 22.83                    | 22.76                  |                     |          |  |
| Channel         |            |         |           | 343500                | 348000                   | 350500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.75                 | 22.80                    | 22.73                  |                     |          |  |
| Channel         |            |         |           | 343000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.84                 | 22.82                    | 22.75                  |                     |          |  |
| Channel         |            |         |           | 342500                | 348000                   | 350500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.78                 | 22.79                    | 22.80                  |                     |          |  |

| n38 Ant1 DSI 2  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 518004                | 519000                   | 519996                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 23.13                 | 23.19                    | 23.11                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 53        | 23.04                 | 23.10                    | 22.96                  | 23.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 1       | 104       | 23.06                 | 23.13                    | 23.06                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 0         | 22.75                 | 22.82                    | 22.69                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 28        | 22.98                 | 23.12                    | 23.07                  | 24.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 50      | 56        | 22.63                 | 22.73                    | 22.65                  | 23.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 100     | 0         | 22.57                 | 22.70                    | 22.62                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 23.22                 | 23.28                    | 23.16                  |                     |          |  |
| 40              | QPSK       | 1       | 53        | 23.02                 | 23.16                    | 23.07                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 104       | 23.04                 | 23.11                    | 22.96                  |                     |          |  |
| 40              | QPSK       | 50      | 0         | 22.13                 | 22.26                    | 22.16                  |                     |          |  |
| 40              | QPSK       | 50      | 28        | 22.98                 | 23.10                    | 23.04                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 50      | 56        | 22.10                 | 22.25                    | 22.11                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 100     | 0         | 22.17                 | 22.23                    | 22.13                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 22.30                 | 22.43                    | 22.34                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.71                 | 20.81                    | 20.75                  | 21.5                | 2.5      |  |
| 40              | 256QAM     | 1       | 1         | 18.61                 | 18.70                    | 18.66                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 23.17                 | 23.20                    | 23.03                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 23.08                 | 23.21                    | 23.10                  | 24.0                | 0.0      |  |

| n41 Ant1 DSI 2  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2544.01               | 2592.99                  | 2640                   |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 1         | 22.58                 | 22.72                    | 22.64                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 137       | 22.45                 | 22.54                    | 22.43                  | 23.5                | 0.5      |  |
| 100             | PI/2 BPSK  | 1       | 271       | 22.62                 | 22.73                    | 22.63                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 0         | 22.15                 | 22.28                    | 22.14                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 69        | 22.60                 | 22.72                    | 22.65                  | 24.0                | 0.0      |  |
| 100             | PI/2 BPSK  | 135     | 138       | 22.26                 | 22.34                    | 22.23                  | 23.5                | 0.5      |  |
| 100             | PI/2 BPSK  | 270     | 0         | 22.27                 | 22.35                    | 22.24                  |                     |          |  |
| 100             | QPSK       | 1       | 1         | 22.90                 | 23.04                    | 22.94                  |                     |          |  |
| 100             | QPSK       | 1       | 137       | 22.67                 | 22.72                    | 22.67                  | 24.0                | 0.0      |  |
| 100             | QPSK       | 1       | 271       | 22.67                 | 22.81                    | 22.73                  |                     |          |  |
| 100             | QPSK       | 135     | 0         | 21.71                 | 21.79                    | 21.67                  |                     |          |  |
| 100             | QPSK       | 135     | 69        | 22.65                 | 22.69                    | 22.64                  | 24.0                | 0.0      |  |
| 100             | QPSK       | 135     | 138       | 21.75                 | 21.86                    | 21.80                  | 23.0                | 1.0      |  |
| 100             | QPSK       | 270     | 0         | 21.77                 | 21.87                    | 21.80                  |                     |          |  |
| 100             | 16QAM      | 1       | 1         | 21.68                 | 21.79                    | 21.70                  |                     |          |  |
| 100             | 64QAM      | 1       | 1         | 20.26                 | 20.41                    | 20.35                  | 21.5                | 2.5      |  |
| 100             | 256QAM     | 1       | 1         | 18.28                 | 18.36                    | 18.25                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                | 24.0                | 0.0      |  |
| 90              | QPSK       | 1       | 1         | 22.80                 | 22.92                    | 22.79                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                | 24.0                | 0.0      |  |
| 80              | QPSK       | 1       | 1         | 22.77                 | 22.94                    | 22.82                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   | 24.0                | 0.0      |  |
| 70              | QPSK       | 1       | 1         | 22.81                 | 22.93                    | 22.85                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                | 24.0                | 0.0      |  |
| 60              | QPSK       | 1       | 1         | 22.79                 | 22.95                    | 22.84                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                | 24.0                | 0.0      |  |
| 50              | QPSK       | 1       | 1         | 22.81                 | 22.92                    | 22.78                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.75                 | 22.94                    | 22.83                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 22.81                 | 22.94                    | 22.82                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.83                 | 22.95                    | 22.80                  | 24.0                | 0.0      |  |

## Part27Q n78 Ant3 DSI 2

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 15.98                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 15.90                          |                              | 17.4                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 15.88                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 15.93                          |                              | 17.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 16.00                          |                              | 17.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 15.88                          |                              | 17.4                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 15.91                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 16.42                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 16.16                          |                              | 17.4                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 16.15                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 16.28                          |                              | 17.4                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 16.29                          |                              | 17.4                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 16.00                          |                              | 17.4                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 16.24                          |                              | 17.4                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 16.14                          |                              | 17.4                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 16.08                          |                              | 17.4                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 16.28                          |                              | 17.4                   | 0.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 16.34                       | 16.37                          | 16.36                        | 17.4                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 16.28                       | 16.34                          | 16.29                        | 17.4                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 16.31                       | 16.32                          | 16.37                        | 17.4                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 16.28                       | 16.30                          | 16.38                        | 17.4                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 16.33                       | 16.27                          | 16.30                        | 17.4                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 16.34                       | 16.36                          | 16.27                        | 17.4                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 16.27                       | 16.33                          | 16.30                        | 17.4                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 16.30                       | 16.31                          | 16.31                        | 17.4                   | 0.0         |



| n2 Ant4 DSI 2   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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                 | 19.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 17.97                 | 18.14                    | 18.05                  | 19.5                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 17.90                 | 18.04                    | 17.88                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 17.98                 | 17.98                    | 17.86                  | 19.5                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 0         | 17.88                 | 18.03                    | 17.93                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 17.91                 | 18.02                    | 17.92                  | 19.5                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 58        | 17.90                 | 17.99                    | 17.80                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 17.89                 | 18.01                    | 17.83                  | 19.5                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 18.37                 | 18.49                    | 18.27                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 18.21                 | 18.20                    | 18.27                  | 19.5                | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 18.17                 | 18.17                    | 18.17                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 18.25                 | 18.32                    | 18.27                  | 19.5                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 18.08                 | 18.35                    | 18.12                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 18.09                 | 18.20                    | 18.07                  | 19.5                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 18.23                 | 18.25                    | 18.19                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 18.14                 | 18.18                    | 18.14                  | 19.5                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 18.10                 | 18.10                    | 18.12                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.38                 | 17.48                    | 17.41                  | 18.5                | 1.0      |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | 15                  | 0.0      |  |
| Channel         |            |         |           | 18.08                 | 18.09                    | 18.10                  |                     |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   | 10                  | 0.0      |  |
| Channel         |            |         |           | 18.10                 | 18.10                    | 18.07                  |                     |          |  |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | 5                   | 0.0      |  |
| Channel         |            |         |           | 18.06                 | 18.20                    | 18.09                  |                     |          |  |

| n5 Ant4 DSI 2   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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                 | 20                  | 21.9     |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 20.35                 | 20.44                    | 20.38                  | 20                  | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 20.25                 | 20.37                    | 20.24                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 20.31                 | 20.39                    | 20.22                  | 20                  | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 0         | 20.24                 | 20.43                    | 20.34                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 20.23                 | 20.33                    | 20.34                  | 20                  | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 58        | 20.25                 | 20.30                    | 20.15                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 20.22                 | 20.20                    | 20.16                  | 20                  | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 20.69                 | 20.72                    | 20.65                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 20.38                 | 20.66                    | 20.51                  | 20                  | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 20.53                 | 20.42                    | 20.38                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.59                 | 20.57                    | 20.54                  | 20                  | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 20.40                 | 20.63                    | 20.47                  |                     |          |  |
| 20              | QPSK       | 50      | 58        | 20.43                 | 20.48                    | 20.35                  | 20                  | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 20.57                 | 20.59                    | 20.56                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 20.38                 | 20.51                    | 20.45                  | 20                  | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.17                 | 20.33                    | 20.25                  |                     | 21.5     |  |
| 20              | 256QAM     | 1       | 1         | 18.32                 | 18.41                    | 18.29                  | 19.5                | 2.4      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | 15                  | 0.0      |  |
| Channel         |            |         |           | 20.63                 | 20.64                    | 20.52                  |                     |          |  |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    | 10                  | 0.0      |  |
| Channel         |            |         |           | 20.54                 | 20.58                    | 20.57                  |                     |          |  |
| Channel         |            |         |           | 166300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | 5                   | 0.0      |  |
| Channel         |            |         |           | 20.59                 | 20.59                    | 20.49                  |                     |          |  |

| n7 Ant4 DSI 2   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 40                  | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 16.85                 | 16.99                    | 16.96                  | 40                  | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 108       | 16.78                 | 17.00                    | 16.76                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 16.90                 | 16.92                    | 16.79                  | 40                  | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 16.82                 | 16.92                    | 16.86                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 16.79                 | 16.94                    | 16.87                  | 40                  | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 16.72                 | 16.91                    | 16.76                  |                     |          |  |
| 40              | PI2 BPSK   | 216     | 0         | 16.77                 | 16.92                    | 16.84                  | 40                  | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 17.28                 | 17.33                    | 17.20                  |                     |          |  |
| 40              | QPSK       | 1       | 198       | 17.10                 | 17.14                    | 17.08                  | 40                  | 0.0      |  |
| 40              | QPSK       | 1       | 214       | 17.03                 | 17.12                    | 17.04                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 17.15                 | 17.20                    | 17.18                  | 40                  | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 17.01                 | 17.22                    | 17.06                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 16.98                 | 17.08                    | 16.93                  | 40                  | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 17.15                 | 17.18                    | 17.10                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 17.02                 | 17.13                    | 17.03                  | 40                  | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 17.00                 | 16.99                    | 16.92                  |                     | 18.5     |  |
| 40              | 256QAM     | 1       | 1         | 17.12                 | 17.23                    | 17.08                  | 18.5                | 0.0      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 30                  | 0.0      |  |
| Channel         |            |         |           | 17.15                 | 17.30                    | 17.07                  |                     |          |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 25                  | 0.0      |  |
| Channel         |            |         |           | 17.12                 | 17.26                    | 17.11                  |                     |          |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 20                  | 0.0      |  |
| Channel         |            |         |           | 17.20                 | 17.18                    | 17.10                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 15                  | 0.0      |  |
| Channel         |            |         |           | 17.10                 | 17.21                    | 17.10                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 10                  | 0.0      |  |
| Channel         |            |         |           | 17.05                 | 17.28                    | 17.05                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 5                   | 0.0      |  |
| Channel         |            |         |           | 17.19                 | 17.23                    | 17.06                  |                     |          |  |

| n26 Ant4 DSI 2  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 168300                | 168300                   | 167600                 | 21.9                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 20.44                 | 20.59                    | 20.45                  | 21.9                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 20.37                 | 20.44                    | 20.29                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 20.37                 | 20.47                    | 20.35                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 20.37                 | 20.48                    | 20.39                  | 21.9                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 20.33                 | 20.42                    | 20.40                  | 21.9                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 20.29                 | 20.37                    | 20.26                  | 21.9                | 0.0      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 20.35                 | 20.33                    | 20.24                  | 21.9                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 20.79                 | 20.81                    | 20.74                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 20.54                 | 20.71                    | 20.60                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 20.61                 | 20.58                    | 20.53                  | 21.9                | 0.0      |  |
| 20              | QPSK       | 50      | 0         | 20.67                 | 20.71                    | 20.64                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 20.48                 | 20.77                    | 20.61                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 20.52                 | 20.56                    | 20.43                  | 21.9                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 20.70                 | 20.71                    | 20.64                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 20.49                 | 20.57                    | 20.58                  | 21.9                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.31                 | 20.42                    | 20.31                  | 21.5                | 0.4      |  |
| 20              | 256QAM     | 1       | 1         | 18.38                 | 18.46                    | 18.39                  | 19.5                | 2.4      |  |
| Channel         |            |         |           | 168300                | 168300                   | 167600                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  | 21.9                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 20.60                 | 20.75                    | 20.64                  | 21.9                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 166800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 813                   | 831.5                    | 844                    | 21.9                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 20.63                 | 20.77                    | 20.61                  | 21.9                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 166300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  | 21.9                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 20.65                 | 20.75                    | 20.60                  | 21.9                | 0.0      |  |

| n66 Ant4 DSI 2  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 349000                | 349000                   | 349000                 | 17.9                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 16.48                 | 16.63                    | 16.47                  | 17.9                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 108       | 16.44                 | 16.61                    | 16.41                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 214       | 16.49                 | 16.48                    | 16.38                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 16.47                 | 16.60                    | 16.45                  | 17.9                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 54        | 16.45                 | 16.54                    | 16.42                  | 17.9                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 16.42                 | 16.53                    | 16.32                  | 17.9                | 0.0      |  |
| 40              | PI/2 BPSK  | 216     | 0         | 16.38                 | 16.51                    | 16.33                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 16.81                 | 16.96                    | 16.75                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 16.75                 | 16.74                    | 16.74                  | 17.9                | 0.0      |  |
| 40              | QPSK       | 1       | 214       | 16.68                 | 16.74                    | 16.68                  | 17.9                | 0.0      |  |
| 40              | QPSK       | 108     | 0         | 16.75                 | 16.91                    | 16.71                  |                     |          |  |
| 40              | QPSK       | 108     | 54        | 16.68                 | 16.95                    | 16.65                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 16.65                 | 16.67                    | 16.54                  | 17.9                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 16.81                 | 16.84                    | 16.76                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 16.59                 | 16.70                    | 16.62                  | 17.9                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 16.54                 | 16.58                    | 16.63                  | 17.9                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 16.76                 | 16.84                    | 16.66                  | 17.9                | 0.0      |  |
| Channel         |            |         |           | 349000                | 349000                   | 349000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   | 17.9                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 16.69                 | 16.81                    | 16.62                  | 17.9                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | 17.9                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 16.70                 | 16.85                    | 16.62                  | 17.9                | 0.0      |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 17.9                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 16.71                 | 16.86                    | 16.65                  | 17.9                | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 17.9                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 16.74                 | 16.80                    | 16.73                  | 17.9                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 17.9                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 16.76                 | 16.81                    | 16.67                  | 17.9                | 0.0      |  |

## Part27Q n78 Ant5 DSI 2

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 13.08                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 13.10                          |                              | 14.3                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 13.10                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 13.03                          |                              | 14.3                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 13.12                          |                              | 14.3                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 13.00                          |                              | 14.3                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 12.94                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 13.43                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 13.30                          |                              | 14.3                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 13.20                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 13.31                          |                              | 14.3                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 13.38                          |                              | 14.3                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 13.08                          |                              | 14.3                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 13.27                          |                              | 14.3                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 13.24                          |                              | 14.3                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 13.13                          |                              | 14.3                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 13.29                          |                              | 14.3                   | 0.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 13.33                       | 13.33                          | 13.34                        | 14.3                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 13.34                       | 13.28                          | 13.34                        | 14.3                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 13.33                       | 13.37                          | 13.29                        | 14.3                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 13.38                       | 13.38                          | 13.36                        | 14.3                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 13.34                       | 13.38                          | 13.29                        | 14.3                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 13.34                       | 13.35                          | 13.31                        | 14.3                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 13.32                       | 13.29                          | 13.37                        | 14.3                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 13.36                       | 13.38                          | 13.38                        | 14.3                   | 0.0         |

## Part27Q n78 Ant7 DSI 2

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 16.11                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 16.11                          |                              | 17.6                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 16.05                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 16.11                          |                              | 17.6                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 16.13                          |                              | 17.6                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 16.02                          |                              | 17.6                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 15.96                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 16.45                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 16.24                          |                              | 17.6                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 16.25                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 16.16                          |                              | 17.6                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 16.38                          |                              | 17.6                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 16.15                          |                              | 17.6                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 16.32                          |                              | 17.6                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 16.25                          |                              | 17.6                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 16.10                          |                              | 17.6                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 16.12                          |                              | 16.8                   | 0.8         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 16.33                       | 16.38                          | 16.36                        | 17.6                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 16.30                       | 16.40                          | 16.38                        | 17.6                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 16.30                       | 16.33                          | 16.31                        | 17.6                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 16.36                       | 16.36                          | 16.39                        | 17.6                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 16.34                       | 16.38                          | 16.37                        | 17.6                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 16.32                       | 16.36                          | 16.31                        | 17.6                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 16.37                       | 16.41                          | 16.35                        | 17.6                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 16.41                       | 16.31                          | 16.40                        | 17.6                   | 0.0         |

## Part27Q n78 Ant8 DSI 2

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 19.79                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 19.86                          |                              | 21.0                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 19.98                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 18.57                          |                              | 20.5                   | 0.5         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 19.91                          |                              | 21.0                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 18.53                          |                              | 20.5                   | 0.5         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 18.54                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 19.99                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 19.80                          |                              | 21.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 19.97                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 18.08                          |                              | 20.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        |                             | 19.94                          |                              | 21.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 18.07                          |                              | 20.0                   | 1.0         |
| 100             | QPSK       | 270     | 0         |                             | 18.34                          |                              | 20.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         |                             | 18.14                          |                              | 20.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         |                             | 16.53                          |                              | 18.5                   | 2.5         |
| 100             | 256QAM     | 1       | 1         |                             | 14.68                          |                              | 16.5                   | 4.5         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 19.89                       | 19.86                          | 19.91                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 19.89                       | 19.88                          | 19.94                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 19.92                       | 19.88                          | 19.90                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 19.85                       | 19.92                          | 19.84                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 19.85                       | 19.91                          | 19.94                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 19.86                       | 19.89                          | 19.94                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 19.88                       | 19.86                          | 19.86                        | 21.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 19.93                       | 19.92                          | 19.90                        | 21.0                   | 0.0         |

# Reduced Power Mode for DSI3

| n5 Ant0 DSI 3   |            |         |           |                     |                        |                      |                     |          |     |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|-----|
| BW [MHz]        | 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              | PI/2 BPSK  | 1       | 1         | 22.91               | 23.00                  | 22.92                | 24.0                |          | 0.0 |
| 20              | PI/2 BPSK  | 1       | 53        | 22.81               | 22.92                  | 22.83                |                     |          |     |
| 20              | PI/2 BPSK  | 1       | 104       | 22.63               | 22.75                  | 22.60                |                     |          |     |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53               | 22.61                  | 22.56                | 23.5                |          | 0.5 |
| 20              | PI/2 BPSK  | 50      | 28        | 22.85               | 22.95                  | 22.91                | 24.0                |          | 0.0 |
| 20              | PI/2 BPSK  | 50      | 56        | 22.30               | 22.42                  | 22.33                | 23.5                |          | 0.5 |
| 20              | PI/2 BPSK  | 100     | 0         | 22.42               | 22.56                  | 22.51                |                     |          |     |
| 20              | QPSK       | 1       | 1         | 23.13               | 23.17                  | 23.09                | 24.0                |          | 0.0 |
| 20              | QPSK       | 1       | 53        | 22.90               | 22.98                  | 22.83                |                     |          |     |
| 20              | QPSK       | 1       | 104       | 22.73               | 22.82                  | 22.66                |                     |          |     |
| 20              | QPSK       | 50      | 0         | 22.05               | 22.11                  | 22.05                | 23.0                |          | 1.0 |
| 20              | QPSK       | 50      | 28        | 22.84               | 22.94                  | 22.88                | 24.0                |          | 0.0 |
| 20              | QPSK       | 50      | 56        | 21.78               | 21.89                  | 21.84                | 23.0                |          | 1.0 |
| 20              | QPSK       | 100     | 0         | 21.94               | 22.00                  | 21.94                |                     |          |     |
| 20              | 16QAM      | 1       | 1         | 21.94               | 22.10                  | 22.03                | 23.0                |          | 1.0 |
| 20              | 64QAM      | 1       | 1         | 21.06               | 21.19                  | 21.12                | 21.5                |          | 2.5 |
| 20              | 256QAM     | 1       | 1         | 18.92               | 18.98                  | 18.87                | 19.5                |          | 4.5 |
| Channel         |            |         |           | 166300              | 167300                 | 168300               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 831.5               | 836.5                  | 841.5                | 24.0                |          |     |
| 15              | QPSK       | 1       | 1         | 23.00               | 23.10                  | 23.04                | 24.0                |          | 0.0 |
| Channel         |            |         |           | 165800              | 167300                 | 168800               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 829                 | 836.5                  | 844                  | 24.0                |          |     |
| 10              | QPSK       | 1       | 1         | 23.08               | 23.07                  | 23.00                | 24.0                |          | 0.0 |
| Channel         |            |         |           | 165300              | 167300                 | 169300               | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 826.5               | 836.5                  | 846.5                | 24.0                |          |     |
| 5               | QPSK       | 1       | 1         | 23.02               | 23.02                  | 23.03                | 24.0                |          | 0.0 |

| n26 Ant0 DSI 3  |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel         |            |         |           | 164800                | 166300                   | 167800                 |                     |          |     |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |     |
| 20              | PI/2 BPSK  | 1       | 1         | 22.90                 | 23.00                    | 22.91                  | 24.0                |          | 0.0 |
| 20              | PI/2 BPSK  | 1       | 53        | 22.80                 | 22.92                    | 22.80                  |                     |          |     |
| 20              | PI/2 BPSK  | 1       | 104       | 22.74                 | 22.84                    | 22.79                  |                     |          |     |
| 20              | PI/2 BPSK  | 50      | 0         | 22.49                 | 22.65                    | 22.57                  | 23.5                |          | 0.5 |
| 20              | PI/2 BPSK  | 50      | 28        | 22.86                 | 22.94                    | 22.79                  | 24.0                |          | 0.0 |
| 20              | PI/2 BPSK  | 50      | 56        | 22.37                 | 22.49                    | 22.35                  | 23.5                |          | 0.5 |
| 20              | PI/2 BPSK  | 100     | 0         | 22.47                 | 22.60                    | 22.52                  |                     |          |     |
| 20              | QPSK       | 1       | 1         | 22.96                 | 23.03                    | 22.92                  | 24.0                |          | 0.0 |
| 20              | QPSK       | 1       | 53        | 22.86                 | 22.95                    | 22.85                  |                     |          |     |
| 20              | QPSK       | 1       | 104       | 22.78                 | 22.89                    | 22.85                  |                     |          |     |
| 20              | QPSK       | 50      | 0         | 22.00                 | 22.10                    | 21.96                  | 23.0                |          | 1.0 |
| 20              | QPSK       | 50      | 28        | 22.85                 | 22.98                    | 22.90                  | 24.0                |          | 0.0 |
| 20              | QPSK       | 50      | 56        | 21.86                 | 21.97                    | 21.86                  | 23.0                |          | 1.0 |
| 20              | QPSK       | 100     | 0         | 21.93                 | 22.07                    | 21.92                  |                     |          |     |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.23                    | 22.19                  | 23.0                |          | 1.0 |
| 20              | 64QAM      | 1       | 1         | 20.50                 | 20.60                    | 20.45                  | 21.5                |          | 2.5 |
| 20              | 256QAM     | 1       | 1         | 18.50                 | 18.57                    | 18.52                  | 19.5                |          | 4.5 |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  | 24.0                | 0.0      |     |
| 15              | QPSK       | 1       | 1         | 22.86                 | 22.94                    | 22.79                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    | 24.0                | 0.0      |     |
| 10              | QPSK       | 1       | 1         | 22.89                 | 22.95                    | 22.84                  | 24.0                | 0.0      |     |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  | 24.0                | 0.0      |     |
| 5               | QPSK       | 1       | 1         | 22.84                 | 22.97                    | 22.81                  | 24.0                | 0.0      |     |



| n2 Ant1 DSI 3                                                                                                                   |            |         |           |                       |                          |                        |                     |           |           |                     |     |  |
|---------------------------------------------------------------------------------------------------------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|-----------|-----------|---------------------|-----|--|
| BW [MHz]                                                                                                                        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dbi) |           |                     |     |  |
| Channel                                                                                                                         |            |         |           | 372000                | 376000                   | 380000                 | 21.1                | 0.0       |           |                     |     |  |
| Frequency (MHz)                                                                                                                 |            |         |           | 1860                  | 1880                     | 1900                   |                     |           |           |                     |     |  |
| 20                                                                                                                              | PI2 BPSK   | 1       | 1         | 19.35                 | 19.54                    | 19.44                  |                     |           |           | 21.1                | 0.0 |  |
| 20                                                                                                                              | PI2 BPSK   | 1       | 53        | 19.35                 | 19.41                    | 19.34                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | PI2 BPSK   | 1       | 104       | 19.33                 | 19.49                    | 19.35                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | PI2 BPSK   | 50      | 0         | 19.36                 | 19.48                    | 19.32                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | PI2 BPSK   | 50      | 28        | 19.32                 | 19.43                    | 19.39                  | 21.1                | 0.0       |           |                     |     |  |
| 20                                                                                                                              | PI2 BPSK   | 50      | 58        | 19.24                 | 19.42                    | 19.26                  | 21.1                | 0.0       |           |                     |     |  |
| 20                                                                                                                              | PI2 BPSK   | 100     | 0         | 19.31                 | 19.38                    | 19.30                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | QPSK       | 1       | 1         | 19.62                 | 19.65                    | 19.66                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | QPSK       | 1       | 53        | 19.56                 | 19.72                    | 19.68                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | QPSK       | 1       | 104       | 19.58                 | 19.64                    | 19.48                  | 21.1                | 0.0       |           |                     |     |  |
| 20                                                                                                                              | QPSK       | 50      | 0         | 19.58                 | 19.61                    | 19.61                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | QPSK       | 50      | 28        | 19.71                 | 19.84                    | 19.66                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | QPSK       | 50      | 58        | 19.50                 | 19.52                    | 19.53                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | QPSK       | 100     | 0         | 19.54                 | 19.55                    | 19.37                  | 21.1                | 0.0       |           |                     |     |  |
| 20                                                                                                                              | 16QAM      | 1       | 1         | 19.51                 | 19.57                    | 19.56                  | 21.1                | 0.0       |           |                     |     |  |
| 20                                                                                                                              | 64QAM      | 1       | 1         | 19.48                 | 19.51                    | 19.42                  |                     |           |           |                     |     |  |
| 20                                                                                                                              | 256QAM     | 1       | 1         | 18.20                 | 18.30                    | 18.25                  |                     |           |           |                     |     |  |
| Channel <td>371500</td> <td>376000</td> <td>380500</td> <td colspan="2">Tune-up limit (dBm)</td>                                |            |         |           | 371500                | 376000                   | 380500                 |                     |           |           | Tune-up limit (dBm) |     |  |
| Frequency (MHz) <td>1857.5</td> <td>1880</td> <td>1902.5</td> <td colspan="2">19.5</td> <td colspan="2">MPR (dbi)</td>          |            |         |           | 1857.5                | 1880                     | 1902.5                 | 19.5                |           | MPR (dbi) |                     |     |  |
| 15                                                                                                                              | QPSK       | 1       | 1         | 19.53                 | 19.49                    | 19.47                  | 21.1                | 0.0       |           |                     |     |  |
| Channel <td>371000</td> <td>376000</td> <td>381000</td> <td colspan="2">Tune-up limit (dBm)</td> <td colspan="2">MPR (dbi)</td> |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) |           | MPR (dbi) |                     |     |  |
| Frequency (MHz) <td>1855</td> <td>1880</td> <td>1905</td> <td colspan="2">21.1</td> <td colspan="2">0.0</td>                    |            |         |           | 1855                  | 1880                     | 1905                   | 21.1                |           | 0.0       |                     |     |  |
| 10                                                                                                                              | QPSK       | 1       | 1         | 19.50                 | 19.49                    | 19.50                  | 21.1                | 0.0       |           |                     |     |  |
| Channel <td>375500</td> <td>376000</td> <td>381500</td> <td colspan="2">Tune-up limit (dBm)</td> <td colspan="2">MPR (dbi)</td> |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) |           | MPR (dbi) |                     |     |  |
| Frequency (MHz) <td>1852.5</td> <td>1880</td> <td>1907.5</td> <td colspan="2">19.5</td> <td colspan="2">0.0</td>                |            |         |           | 1852.5                | 1880                     | 1907.5                 | 19.5                |           | 0.0       |                     |     |  |
| 5                                                                                                                               | QPSK       | 1       | 1         | 19.44                 | 19.58                    | 19.46                  | 21.1                | 0.0       |           |                     |     |  |

| n7 Ant1 DSI 3   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 500000                | 507000                   | 510000                 | 22.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 20.31                 | 20.52                    | 20.40                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 20.23                 | 20.44                    | 20.31                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 20.28                 | 20.54                    | 20.30                  | 22.0                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 20.25                 | 20.37                    | 20.28                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 20.31                 | 20.47                    | 20.35                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 108       | 20.26                 | 20.36                    | 20.25                  |                     |          |  |
| 40              | PI2 BPSK   | 216     | 0         | 20.28                 | 20.35                    | 20.29                  | 22.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 20.72                 | 20.81                    | 20.68                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 20.54                 | 20.63                    | 20.58                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 20.50                 | 20.60                    | 20.51                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 20.47                 | 20.60                    | 20.51                  | 22.0                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 20.68                 | 20.81                    | 20.64                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 20.47                 | 20.51                    | 20.42                  |                     |          |  |
| 40              | QPSK       | 216     | 0         | 20.43                 | 20.55                    | 20.29                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 20.43                 | 20.60                    | 20.47                  | 22.0                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 20.16                 | 20.30                    | 20.19                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.17                 | 18.25                    | 18.13                  |                     |          |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | MPR (dB)            |          |  |
| 30              | QPSK       | 1       | 1         | 20.49                 | 20.54                    | 20.47                  | 22.0                | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | 22.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 20.44                 | 20.61                    | 20.50                  |                     |          |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | MPR (dB)            |          |  |
| 20              | QPSK       | 1       | 1         | 20.43                 | 20.51                    | 20.47                  | 22.0                | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | 22.0                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 20.43                 | 20.57                    | 20.52                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | MPR (dB)            |          |  |
| 10              | QPSK       | 1       | 1         | 20.45                 | 20.62                    | 20.48                  | 22.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | 22.0                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 20.47                 | 20.60                    | 20.55                  |                     |          |  |
| Channel         |            |         |           | 500000                | 507000                   | 514000                 |                     |          |  |

| n66 Ant1 DSI 3  |            |         |           |                       |                          |                        |                              |          |  |                              |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------------------------------|----------|--|------------------------------|
| BW [MHz]        | 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                   | 350000                 | 20.9                         | 0.0      |  |                              |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                              |          |  |                              |
| 40              | PI2 BPSK   | 1       | 1         | 19.50                 | 19.68                    | 19.52                  |                              |          |  |                              |
| 40              | PI2 BPSK   | 1       | 108       | 19.42                 | 19.55                    | 19.42                  |                              |          |  |                              |
| 40              | PI2 BPSK   | 1       | 214       | 19.41                 | 19.51                    | 19.45                  | 20.9                         | 0.0      |  |                              |
| 40              | PI2 BPSK   | 108     | 0         | 19.39                 | 19.62                    | 19.45                  |                              |          |  |                              |
| 40              | PI2 BPSK   | 108     | 54        | 19.42                 | 19.55                    | 19.45                  |                              |          |  |                              |
| 40              | PI2 BPSK   | 108     | 108       | 19.31                 | 19.45                    | 19.32                  |                              |          |  |                              |
| 40              | PI2 BPSK   | 216     | 0         | 19.35                 | 19.53                    | 19.37                  | 20.9                         | 0.0      |  |                              |
| 40              | QPSK       | 1       | 1         | 19.80                 | 19.99                    | 19.82                  |                              |          |  |                              |
| 40              | QPSK       | 1       | 108       | 19.85                 | 19.78                    | 19.75                  |                              |          |  |                              |
| 40              | QPSK       | 1       | 214       | 19.88                 | 19.70                    | 19.88                  |                              |          |  |                              |
| 40              | QPSK       | 108     | 0         | 19.83                 | 19.75                    | 19.68                  | 20.9                         | 0.0      |  |                              |
| 40              | QPSK       | 108     | 54        | 19.83                 | 19.87                    | 19.88                  |                              |          |  |                              |
| 40              | QPSK       | 108     | 108       | 19.56                 | 19.62                    | 19.56                  |                              |          |  |                              |
| 40              | QPSK       | 216     | 0         | 19.59                 | 19.70                    | 19.45                  |                              |          |  |                              |
| 40              | 16QAM      | 1       | 1         | 19.82                 | 19.66                    | 19.64                  | 20.9                         | 0.0      |  |                              |
| 40              | 64QAM      | 1       | 1         | 19.59                 | 19.61                    | 19.60                  |                              |          |  |                              |
| 40              | 256QAM     | 1       | 1         | 18.42                 | 18.50                    | 18.41                  |                              |          |  |                              |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 |                              |          |  | Tune-up limit (dBm) MPR (dB) |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                              |          |  |                              |
| 30              | QPSK       | 1       | 1         | 19.82                 | 19.62                    | 19.62                  | 20.9                         | 0.0      |  |                              |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) MPR (dB) |          |  |                              |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                              |          |  |                              |
| 20              | QPSK       | 1       | 1         | 19.57                 | 19.68                    | 19.61                  | 20.9                         | 0.0      |  |                              |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) MPR (dB) |          |  |                              |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                              |          |  |                              |
| 15              | QPSK       | 1       | 1         | 19.59                 | 19.65                    | 19.60                  | 20.9                         | 0.0      |  |                              |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) MPR (dB) |          |  |                              |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                              |          |  |                              |
| 10              | QPSK       | 1       | 1         | 19.65                 | 19.63                    | 19.60                  | 20.9                         | 0.0      |  |                              |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) MPR (dB) |          |  |                              |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                              |          |  |                              |
| 5               | QPSK       | 1       | 1         | 19.58                 | 19.68                    | 19.55                  | 20.9                         | 0.0      |  |                              |

| n38 Ant1 DSI 3  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 518004                | 519000                   | 519996                 | 22.4                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40              | Pi2 BPSK   | 1       | 1         | 21.01                 | 21.18                    | 21.00                  | 22.4                | 0.0      |  |
| 40              | Pi2 BPSK   | 1       | 53        | 20.94                 | 21.02                    | 20.84                  |                     |          |  |
| 40              | Pi2 BPSK   | 1       | 104       | 20.94                 | 21.01                    | 20.97                  |                     |          |  |
| 40              | Pi2 BPSK   | 50      | 0         | 20.93                 | 21.08                    | 20.97                  | 22.4                | 0.0      |  |
| 40              | Pi2 BPSK   | 50      | 28        | 20.90                 | 21.08                    | 20.97                  | 22.4                | 0.0      |  |
| 40              | Pi2 BPSK   | 50      | 56        | 20.81                 | 20.99                    | 20.84                  | 22.4                | 0.0      |  |
| 40              | Pi2 BPSK   | 100     | 0         | 20.85                 | 21.03                    | 20.92                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 21.34                 | 21.49                    | 21.36                  |                     |          |  |
| 40              | QPSK       | 1       | 53        | 21.17                 | 21.32                    | 21.21                  | 22.4                | 0.0      |  |
| 40              | QPSK       | 1       | 104       | 21.12                 | 21.23                    | 21.10                  |                     |          |  |
| 40              | QPSK       | 50      | 0         | 21.11                 | 21.17                    | 21.14                  |                     |          |  |
| 40              | QPSK       | 50      | 28        | 21.36                 | 21.38                    | 21.19                  | 22.4                | 0.0      |  |
| 40              | QPSK       | 50      | 56        | 21.12                 | 21.15                    | 21.03                  | 22.4                | 0.0      |  |
| 40              | QPSK       | 100     | 0         | 21.08                 | 21.18                    | 21.02                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 21.18                 | 21.21                    | 21.14                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.71                 | 20.81                    | 20.75                  | 21.5                | 0.9      |  |
| 40              | 256QAM     | 1       | 1         | 18.61                 | 18.70                    | 18.66                  | 19.5                | 2.9      |  |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | 22.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                |                     |          |  |
| 30              | QPSK       | 1       | 1         | 21.13                 | 21.28                    | 21.15                  | 22.4                | 0.0      |  |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | 22.4                | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 21.12                 | 21.19                    | 21.20                  | 22.4                | 0.0      |  |

| n41 Ant1 DSI 3  |            |         |           |                       |                          |                        |                     |          |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 22.4                | 0.0      |     |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 1         | 20.99                 | 21.07                    | 20.98                  |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.87                 | 21.02                    | 20.90                  | 22.4                | 0.0      |     |
| 100             | PI/2 BPSK  | 1       | 271       | 20.92                 | 21.00                    | 20.88                  |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.86                 | 21.08                    | 20.93                  |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.93                 | 21.06                    | 20.94                  | 22.4                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 138       | 20.80                 | 20.97                    | 20.81                  |                     |          |     |
| 100             | PI/2 BPSK  | 270     | 0         | 20.86                 | 20.96                    | 20.84                  |                     |          |     |
| 100             | QPSK       | 1       | 1         | 21.37                 | 21.45                    | 21.23                  | 22.4                | 0.0      |     |
| 100             | QPSK       | 1       | 137       | 21.20                 | 21.28                    | 21.16                  |                     |          |     |
| 100             | QPSK       | 1       | 271       | 21.14                 | 21.17                    | 21.09                  |                     |          |     |
| 100             | QPSK       | 135     | 0         | 21.08                 | 21.19                    | 21.21                  | 22.4                | 0.0      |     |
| 100             | QPSK       | 135     | 69        | 21.30                 | 21.44                    | 21.23                  |                     |          |     |
| 100             | QPSK       | 135     | 138       | 21.12                 | 21.10                    | 21.06                  |                     |          |     |
| 100             | QPSK       | 270     | 0         | 21.10                 | 21.11                    | 20.96                  | 22.4                | 0.0      |     |
| 100             | 16QAM      | 1       | 1         | 21.11                 | 21.24                    | 21.11                  |                     |          |     |
| 100             | 64QAM      | 1       | 1         | 20.26                 | 20.41                    | 20.35                  |                     |          |     |
| 100             | 256QAM     | 1       | 1         | 18.28                 | 18.36                    | 18.25                  | 19.5                |          | 2.9 |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) | MPR (dB) |     |
| 90              | QPSK       | 1       | 1         | 21.14                 | 21.19                    | 21.20                  | 22.4                | 0.0      |     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                | 22.4                | 0.0      |     |
| 80              | QPSK       | 1       | 1         | 21.13                 | 21.19                    | 21.17                  | 22.4                | 0.0      |     |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   | 22.4                | 0.0      |     |
| 70              | QPSK       | 1       | 1         | 21.17                 | 21.24                    | 21.11                  | 22.4                | 0.0      |     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                | 22.4                | 0.0      |     |
| 60              | QPSK       | 1       | 1         | 21.06                 | 21.26                    | 21.16                  | 22.4                | 0.0      |     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                | 22.4                | 0.0      |     |
| 50              | QPSK       | 1       | 1         | 21.09                 | 21.27                    | 21.20                  | 22.4                | 0.0      |     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   | 22.4                | 0.0      |     |
| 40              | QPSK       | 1       | 1         | 21.07                 | 21.18                    | 21.17                  | 22.4                | 0.0      |     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                | 22.4                | 0.0      |     |
| 30              | QPSK       | 1       | 1         | 21.09                 | 21.20                    | 21.16                  | 22.4                | 0.0      |     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                | 22.4                | 0.0      |     |
| 20              | QPSK       | 1       | 1         | 21.12                 | 21.23                    | 21.14                  | 22.4                | 0.0      |     |



| n2 Ant4 DSI 3   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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                 | 18.3                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 16.51                 | 16.60                    | 16.47                  | 18.3                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 16.38                 | 16.58                    | 16.37                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 16.46                 | 16.49                    | 16.49                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 0         | 16.38                 | 16.51                    | 16.51                  | 18.3                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 28        | 16.47                 | 16.54                    | 16.51                  | 18.3                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 16.42                 | 16.54                    | 16.39                  | 18.3                | 0.0      |  |
| 20              | PI2 BPSK   | 100     | 0         | 16.36                 | 16.49                    | 16.42                  | 18.3                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 16.51                 | 16.57                    | 16.79                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 16.69                 | 16.82                    | 16.69                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 16.62                 | 16.67                    | 16.64                  | 18.3                | 0.0      |  |
| 20              | QPSK       | 50      | 0         | 16.66                 | 16.69                    | 16.69                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 16.85                 | 16.90                    | 16.77                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 16.59                 | 16.61                    | 16.52                  | 18.3                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 16.57                 | 16.63                    | 16.50                  | 18.3                | 0.0      |  |
| 20              | 16QAM      | 1       | 1         | 16.59                 | 16.72                    | 16.67                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 16.60                 | 16.67                    | 16.60                  |                     | 18.3     |  |
| 20              | 256QAM     | 1       | 1         | 16.60                 | 16.68                    | 16.58                  | 18.3                | 0.0      |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | 18.3                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 16.61                 | 16.63                    | 16.62                  |                     |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   | 18.3                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 16.66                 | 16.59                    | 16.55                  | 18.3                | 0.0      |  |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1862.5                | 1880                     | 1907.5                 | 18.3                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 16.55                 | 16.67                    | 16.60                  | 18.3                | 0.0      |  |

| n5 Ant4 DSI 3   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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                 | 22.9                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 21.23                 | 21.33                    | 21.25                  | 22.9                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 21.18                 | 21.25                    | 21.12                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 21.16                 | 21.22                    | 21.21                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.12                 | 21.22                    | 21.19                  | 22.9                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 28        | 21.08                 | 21.27                    | 21.10                  | 22.9                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.03                 | 21.21                    | 20.99                  | 22.9                | 0.0      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.11                 | 21.18                    | 21.08                  | 22.9                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 21.50                 | 21.54                    | 21.49                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 21.37                 | 21.38                    | 21.39                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 21.32                 | 21.40                    | 21.37                  | 22.9                | 0.0      |  |
| 20              | QPSK       | 50      | 0         | 21.32                 | 21.42                    | 21.33                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 21.51                 | 21.54                    | 21.46                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 21.37                 | 21.38                    | 21.26                  | 22.9                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 21.35                 | 21.44                    | 21.24                  | 22.9                | 0.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.22                 | 21.44                    | 21.26                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 20.24                 | 20.27                    | 20.38                  |                     | 22.2     |  |
| 20              | 256QAM     | 1       | 1         | 18.29                 | 18.34                    | 18.30                  | 20.2                | 2.7      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | 22.9                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 21.26                 | 21.50                    | 21.28                  |                     |          |  |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    | 22.9                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 21.26                 | 21.43                    | 21.30                  | 22.9                | 0.0      |  |
| Channel         |            |         |           | 166300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | 22.9                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 21.26                 | 21.44                    | 21.34                  | 22.9                | 0.0      |  |

| n7 Ant4 DSI 3   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 19.8                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 18.31                 | 18.43                    | 18.27                  | 19.8                | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 108       | 18.15                 | 18.33                    | 18.20                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 18.19                 | 18.28                    | 18.25                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 0         | 18.15                 | 18.36                    | 18.20                  | 19.8                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 54        | 18.22                 | 18.29                    | 18.28                  | 19.8                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 18.16                 | 18.27                    | 18.08                  | 19.8                | 0.0      |  |
| 40              | PI2 BPSK   | 216     | 0         | 18.20                 | 18.30                    | 18.11                  | 19.8                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 18.84                 | 18.75                    | 18.54                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 18.50                 | 18.51                    | 18.51                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 18.45                 | 18.47                    | 18.37                  | 19.8                | 0.0      |  |
| 40              | QPSK       | 108     | 0         | 18.43                 | 18.51                    | 18.46                  |                     |          |  |
| 40              | QPSK       | 108     | 54        | 18.51                 | 18.62                    | 18.47                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 18.36                 | 18.47                    | 18.39                  | 19.8                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 18.39                 | 18.45                    | 18.26                  | 19.8                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 18.39                 | 18.51                    | 18.41                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 18.40                 | 18.40                    | 18.29                  |                     | 19.8     |  |
| 40              | 256QAM     | 1       | 1         | 18.29                 | 18.33                    | 18.30                  | 19.5                | 0.3      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 19.8                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 18.34                 | 18.37                    | 18.36                  |                     |          |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 19.8                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 18.42                 | 18.40                    | 18.30                  | 19.8                | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 19.8                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 1         | 18.32                 | 18.46                    | 18.40                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 19.8                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 18.38                 | 18.40                    | 18.31                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 19.8                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 18.49                 | 18.36                    | 18.39                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 19.8                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 18.35                 | 18.45                    | 18.31                  |                     |          |  |

| n26 Ant4 DSI 3  |            |         |           |                             |                                |                              |                        |             |  |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| 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         |            |         |           | 164800                      | 166300                         | 167800                       |                        |             |  |
| Frequency (MHz) |            |         |           | 824                         | 831.5                          | 839                          |                        |             |  |
| 20              | Pl/2 BPSK  | 1       | 1         | 21.32                       | 21.44                          | 21.32                        | 22.9                   | 0.0         |  |
| 20              | Pl/2 BPSK  | 1       | 53        | 21.26                       | 21.35                          | 21.17                        |                        |             |  |
| 20              | Pl/2 BPSK  | 1       | 104       | 21.28                       | 21.35                          | 21.28                        |                        |             |  |
| 20              | Pl/2 BPSK  | 50      | 0         | 21.27                       | 21.33                          | 21.28                        |                        |             |  |
| 20              | Pl/2 BPSK  | 50      | 28        | 21.20                       | 21.37                          | 21.23                        | 22.9                   | 0.0         |  |
| 20              | Pl/2 BPSK  | 50      | 56        | 21.17                       | 21.25                          | 21.10                        | 22.9                   | 0.0         |  |
| 20              | Pl/2 BPSK  | 100     | 0         | 21.25                       | 21.32                          | 21.21                        | 22.9                   | 0.0         |  |
| 20              | QPSK       | 1       | 1         | 21.61                       | 21.79                          | 21.65                        |                        |             |  |
| 20              | QPSK       | 1       | 53        | 21.53                       | 21.53                          | 21.52                        |                        |             |  |
| 20              | QPSK       | 1       | 104       | 21.47                       | 21.55                          | 21.49                        |                        |             |  |
| 20              | QPSK       | 50      | 0         | 21.45                       | 21.51                          | 21.44                        | 22.9                   | 0.0         |  |
| 20              | QPSK       | 50      | 28        | 21.57                       | 21.68                          | 21.56                        | 22.9                   | 0.0         |  |
| 20              | QPSK       | 50      | 56        | 21.45                       | 21.45                          | 21.42                        | 22.9                   | 0.0         |  |
| 20              | QPSK       | 100     | 0         | 21.44                       | 21.52                          | 21.28                        |                        |             |  |
| 20              | 16QAM      | 1       | 1         | 21.38                       | 21.58                          | 21.42                        | 22.9                   | 0.0         |  |
| 20              | 64QAM      | 1       | 1         | 20.31                       | 20.42                          | 20.31                        | 22.2                   | 0.7         |  |
| 20              | 256QAM     | 1       | 1         | 18.38                       | 18.48                          | 18.39                        | 20.2                   | 2.7         |  |
| Channel         |            |         |           | 164300                      | 166300                         | 166800                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 821.5                       | 831.5                          | 841.5                        | 22.9                   | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 21.41                       | 21.46                          | 21.46                        | 22.9                   | 0.0         |  |
| Channel         |            |         |           | 163800                      | 166300                         | 166800                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 815                         | 831.5                          | 844                          | 22.9                   | 0.0         |  |
| 10              | QPSK       | 1       | 1         | 21.45                       | 21.49                          | 21.49                        | 22.9                   | 0.0         |  |
| Channel         |            |         |           | 163300                      | 166300                         | 166300                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 816.5                       | 831.5                          | 846.5                        | 22.9                   | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 21.38                       | 21.50                          | 21.45                        | 22.9                   | 0.0         |  |

| n66 Ant4 DSI 3  |            |         |           |                          |                             |                                                                                            |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|--------------------------------------------------------------------------------------------|------------------------|-------------|--|
| 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         |            |         |           | 346000                   | 349000                      | 352000                                                                                     |                        |             |  |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1760                                                                                       |                        |             |  |
| 40              | Pl/2 BPSK  | 1       | 1         | 15.33                    | 15.52                       | 15.44                                                                                      | 16.9                   | 0.0         |  |
| 40              | Pl/2 BPSK  | 1       | 108       | 15.31                    | 15.41                       | 15.33                                                                                      |                        |             |  |
| 40              | Pl/2 BPSK  | 1       | 214       | 15.41                    | 15.48                       | 15.36                                                                                      |                        |             |  |
| 40              | Pl/2 BPSK  | 108     | 0         | 15.30                    | 15.46                       | 15.31                                                                                      |                        |             |  |
| 40              | Pl/2 BPSK  | 108     | 54        | 15.32                    | 15.45                       | 15.41                                                                                      | 16.9                   | 0.0         |  |
| 40              | Pl/2 BPSK  | 108     | 108       | 15.24                    | 15.45                       | 15.27                                                                                      | 16.9                   | 0.0         |  |
| 40              | Pl/2 BPSK  | 216     | 0         | 15.29                    | 15.35                       | 15.23                                                                                      | 16.9                   | 0.0         |  |
| 40              | QPSK       | 1       | 1         | 15.82                    | 15.89                       | 15.74                                                                                      |                        |             |  |
| 40              | QPSK       | 1       | 108       | 15.56                    | 15.63                       | 15.67                                                                                      |                        |             |  |
| 40              | QPSK       | 1       | 214       | 15.54                    | 15.55                       | 15.55                                                                                      |                        |             |  |
| 40              | QPSK       | 108     | 0         | 15.48                    | 15.66                       | 15.60                                                                                      | 16.9                   | 0.0         |  |
| 40              | QPSK       | 108     | 54        | 15.69                    | 15.85                       | 15.58                                                                                      | 16.9                   | 0.0         |  |
| 40              | QPSK       | 108     | 108       | 15.47                    | 15.58                       | 15.49                                                                                      | 16.9                   | 0.0         |  |
| 40              | QPSK       | 216     | 0         | 15.51                    | 15.63                       | 15.34                                                                                      |                        |             |  |
| 40              | 16QAM      | 1       | 1         | 15.56                    | 15.57                       | 15.62                                                                                      | 16.9                   | 0.0         |  |
| 40              | 64QAM      | 1       | 1         | 15.52                    | 15.58                       | 15.50                                                                                      | 16.9                   | 0.0         |  |
| 40              | 256QAM     | 1       | 1         | 15.51                    | 15.51                       | 15.48                                                                                      | 16.9                   | 0.0         |  |
| Channel         |            |         |           | 345000                   | 349000                      | 353000                                                                                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1725                     | 1745                        | 1765                                                                                       | 16.9                   | 0.0         |  |
| 30              | QPSK       | 1       | 1         | 15.52                    | 15.59                       | 15.48                                                                                      | 16.9                   | 0.0         |  |
| Channel         |            |         |           | 344000                   | 349000                      | 354000                                                                                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                                                                                       | 16.9                   | 0.0         |  |
| 20              | QPSK       | 1       | 1         | 15.48                    | 15.53                       | 15.53                                                                                      | 16.9                   | 0.0         |  |
| Channel         |            |         |           | 343500                   | 349000                      | 354500                                                                                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                                                                                     | 16.9                   | 0.0         |  |
| 15              | QPSK       | 1       | 1         | 15.53                    | 15.52                       | 15.46                                                                                      | 16.9                   | 0.0         |  |
| Channel         |            |         |           | 343000                   | 349000                      | 355000                                                                                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1716                     | 1745                        | 1776 <td>16.9</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td> | 16.9                   | 0.0         |  |
| 10              | QPSK       | 1       | 1         | 15.56                    | 15.51                       | 15.45                                                                                      | 16.9                   | 0.0         |  |
| Channel         |            |         |           | 342500                   | 349000                      | 355500                                                                                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                   | 1745                        | 1777.5                                                                                     | 16.9                   | 0.0         |  |
| 5               | QPSK       | 1       | 1         | 15.50                    | 15.55                       | 15.51                                                                                      | 16.9                   | 0.0         |  |

## Part27Q n78 Ant3 DSI 3

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 13.83                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 13.80                          |                              | 15.4                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 13.79                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 13.73                          |                              | 15.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 13.77                          |                              | 15.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 13.65                          |                              | 15.4                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 13.65                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 14.19                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 13.97                          |                              | 15.4                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 13.93                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 13.91                          |                              | 15.4                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 14.16                          |                              | 15.4                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 13.81                          |                              | 15.4                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 13.83                          |                              | 15.4                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 13.87                          |                              | 15.4                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 13.81                          |                              | 15.4                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 13.80                          |                              | 15.4                   | 0.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 14.03                       | 13.95                          | 14.04                        | 15.4                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 14.02                       | 13.99                          | 13.95                        | 15.4                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 13.98                       | 13.98                          | 13.96                        | 15.4                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 14.07                       | 13.97                          | 13.97                        | 15.4                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 14.01                       | 13.97                          | 14.04                        | 15.4                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 13.98                       | 14.01                          | 14.04                        | 15.4                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 13.99                       | 13.99                          | 14.04                        | 15.4                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 13.99                       | 14.05                          | 13.96                        | 15.4                   | 0.0         |

## Part27Q n78 Ant5 DSI 3

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 13.67                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 13.59                          |                              | 15.3                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 13.59                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 13.56                          |                              | 15.3                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 13.60                          |                              | 15.3                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 13.51                          |                              | 15.3                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 13.51                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 13.92                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 13.78                          |                              | 15.3                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 13.75                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 13.66                          |                              | 15.3                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 13.85                          |                              | 15.3                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 13.68                          |                              | 15.3                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 13.69                          |                              | 15.3                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 13.76                          |                              | 15.3                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 13.64                          |                              | 15.3                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 13.67                          |                              | 15.3                   | 0.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 13.82                       | 13.85                          | 13.77                        | 15.3                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 13.87                       | 13.82                          | 13.82                        | 15.3                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 13.83                       | 13.84                          | 13.87                        | 15.3                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 13.82                       | 13.84                          | 13.84                        | 15.3                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 13.81                       | 13.86                          | 13.78                        | 15.3                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 13.85                       | 13.85                          | 13.80                        | 15.3                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 13.83                       | 13.79                          | 13.86                        | 15.3                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 13.82                       | 13.83                          | 13.76                        | 15.3                   | 0.0         |

## Part27Q n78 Ant7 DSI 3

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 17.51                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 17.49                          |                              | 19.2                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 17.43                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 17.46                          |                              | 19.2                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 17.50                          |                              | 19.2                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 17.39                          |                              | 19.2                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 17.37                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 17.83                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 17.62                          |                              | 19.2                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 17.59                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 17.57                          |                              | 19.2                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 17.75                          |                              | 19.2                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 17.51                          |                              | 19.2                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 17.52                          |                              | 19.2                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 17.65                          |                              | 19.2                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 17.51                          |                              | 19.2                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 16.14                          |                              | 17.5                   | 1.7         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 17.69                       | 17.70                          | 17.68                        | 19.2                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 17.72                       | 17.79                          | 17.68                        | 19.2                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 17.73                       | 17.77                          | 17.77                        | 19.2                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 17.72                       | 17.76                          | 17.75                        | 19.2                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 17.78                       | 17.69                          | 17.72                        | 19.2                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 17.67                       | 17.74                          | 17.78                        | 19.2                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 17.69                       | 17.71                          | 17.78                        | 19.2                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 17.71                       | 17.73                          | 17.67                        | 19.2                   | 0.0         |

**Part27Q n78 Ant8 DSI 3**

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 17.61                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 17.53                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 17.52                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 17.57                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 17.57                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 17.54                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 17.54                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 17.91                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 17.80                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 17.71                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 17.70                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 17.88                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 17.66                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 17.66                          |                              | 19.4                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 17.69                          |                              | 19.4                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 16.53                          |                              | 18.5                   | 0.9         |
| 100             | 256QAM     | 1       | 1         |                             | 14.68                          |                              | 16.5                   | 2.9         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 17.86                       | 17.84                          | 17.79                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 17.82                       | 17.86                          | 17.84                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 17.78                       | 17.80                          | 17.83                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 17.77                       | 17.84                          | 17.87                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 17.87                       | 17.83                          | 17.77                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 17.82                       | 17.77                          | 17.81                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 17.80                       | 17.78                          | 17.77                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 17.80                       | 17.84                          | 17.82                        | 19.4                   | 0.0         |

## Reduced Power Mode for DSI4

| n5 Ant0 DSI 4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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              | PI/2 BPSK  | 1       | 1         | 22.91                 | 23.00                    | 22.92                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.81                 | 22.92                    | 22.83                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.63                 | 22.75                    | 22.60                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53                 | 22.61                    | 22.56                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.85                 | 22.95                    | 22.91                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.30                 | 22.42                    | 22.33                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.42                 | 22.56                    | 22.51                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.13                 | 23.17                    | 23.09                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.90                 | 22.98                    | 22.83                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.73                 | 22.82                    | 22.66                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.05                 | 22.11                    | 22.05                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.84                 | 22.94                    | 22.88                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.78                 | 21.89                    | 21.84                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.94                 | 22.00                    | 21.94                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.94                 | 22.10                    | 22.03                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.06                 | 21.18                    | 21.12                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.92                 | 18.98                    | 18.87                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.00                 | 23.10                    | 23.04                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.08                 | 23.07                    | 23.00                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.02                 | 23.02                    | 23.03                  | 24.0                | 0.0      |  |

| n26 Ant0 DSI 4  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 164800                | 166300                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.90                 | 23.00                    | 22.91                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.80                 | 22.92                    | 22.80                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.74                 | 22.84                    | 22.79                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.49                 | 22.65                    | 22.57                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.86                 | 22.94                    | 22.79                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.37                 | 22.49                    | 22.35                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.47                 | 22.60                    | 22.52                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.96                 | 23.03                    | 22.92                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.86                 | 22.95                    | 22.85                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.78                 | 22.89                    | 22.85                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.00                 | 22.10                    | 21.96                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.85                 | 22.98                    | 22.90                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.86                 | 21.97                    | 21.86                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.93                 | 22.07                    | 21.92                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.23                    | 22.19                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.50                 | 20.60                    | 20.45                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.50                 | 18.57                    | 18.52                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.86                 | 22.94                    | 22.79                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.89                 | 22.95                    | 22.84                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.84                 | 22.97                    | 22.81                  | 24.0                | 0.0      |  |



| n2 Ant1 DSI 4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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         | 22.56                 | 22.71                    | 22.56                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.61                 | 22.72                    | 22.66                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.54                 | 22.65                    | 22.53                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.27                 | 22.32                    | 22.25                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.69                 | 22.77                    | 22.70                  | 24.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 22.30                 | 22.36                    | 22.30                  | 23.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 22.25                 | 22.35                    | 22.29                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.74                 | 22.79                    | 22.67                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.62                 | 22.72                    | 22.61                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.66                 | 22.74                    | 22.63                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.76                 | 21.87                    | 21.82                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.68                 | 22.74                    | 22.67                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.80                 | 21.85                    | 21.70                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.79                 | 21.85                    | 21.76                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.90                 | 22.03                    | 21.98                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 20.20                 | 20.35                    | 20.30                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.20                 | 18.30                    | 18.25                  |                     |          |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.59                 | 22.73                    | 22.58                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1905                  | 1920                     | 1905                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.60                 | 22.65                    | 22.59                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.60                 | 22.68                    | 22.61                  | 24.0                | 0.0      |  |

| n7 Ant1 DSI 4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 505000                | 507000                   | 510000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.52                 | 22.62                    | 22.55                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 22.55                 | 22.63                    | 22.57                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 22.55                 | 22.59                    | 22.54                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 22.08                 | 22.14                    | 22.01                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 54        | 22.37                 | 22.42                    | 22.31                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 22.08                 | 22.15                    | 22.08                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 216     | 0         | 22.06                 | 22.12                    | 21.98                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.85                 | 22.75                    | 22.92                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.47                 | 22.56                    | 22.45                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.40                 | 22.50                    | 22.46                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.52                 | 21.63                    | 21.52                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 22.44                 | 22.53                    | 22.49                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 21.59                 | 21.66                    | 21.56                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 21.59                 | 21.64                    | 21.59                  | 23.0                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.85                 | 21.97                    | 21.88                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.16                 | 20.30                    | 20.19                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.17                 | 18.25                    | 18.13                  |                     |          |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.53                 | 22.64                    | 22.54                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 22.59                 | 22.64                    | 22.57                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.57                 | 22.60                    | 22.49                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.59                 | 22.67                    | 22.57                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.59                 | 22.69                    | 22.49                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.55                 | 22.59                    | 22.52                  | 24.0                | 0.0      |  |

| n66 Ant1 DSI 4  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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                | 348000                   | 350000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.80                 | 22.91                    | 22.84                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 22.73                 | 22.85                    | 22.80                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 22.79                 | 22.84                    | 22.75                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 22.38                 | 22.53                    | 22.45                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 54        | 22.75                 | 22.86                    | 22.80                  | 24.0                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 22.47                 | 22.57                    | 22.43                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 216     | 0         | 22.41                 | 22.56                    | 22.50                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.90                 | 22.94                    | 22.87                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.78                 | 22.93                    | 22.85                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.71                 | 22.78                    | 22.65                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.92                 | 22.07                    | 22.03                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 22.84                 | 22.93                    | 22.89                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 21.97                 | 22.06                    | 22.02                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 21.97                 | 22.04                    | 21.88                  | 23.0                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.97                 | 22.13                    | 22.07                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.48                 | 20.56                    | 20.47                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.42                 | 18.50                    | 18.41                  |                     |          |  |
| Channel         |            |         |           | 345000                | 348000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.82                 | 22.85                    | 22.80                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 344000                | 348000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.77                 | 22.83                    | 22.76                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 343500                | 348000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.75                 | 22.80                    | 22.73                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 343000                | 348000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.84                 | 22.82                    | 22.75                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 342500                | 348000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.76                 | 22.79                    | 22.80                  | 24.0                | 0.0      |  |

| n38 Ant1 DSI 4  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 518004                | 519000                   | 519996                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 23.13                 | 23.19                    | 23.11                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 53        | 23.04                 | 23.10                    | 22.96                  | 23.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 1       | 104       | 23.06                 | 23.13                    | 23.06                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 0         | 22.75                 | 22.82                    | 22.69                  |                     |          |  |
| 40              | PI/2 BPSK  | 50      | 28        | 22.98                 | 23.12                    | 23.07                  | 24.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 50      | 56        | 22.63                 | 22.73                    | 22.65                  | 23.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 100     | 0         | 22.57                 | 22.70                    | 22.62                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 23.22                 | 23.28                    | 23.16                  |                     |          |  |
| 40              | QPSK       | 1       | 53        | 23.02                 | 23.16                    | 23.07                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 104       | 23.04                 | 23.11                    | 22.96                  |                     |          |  |
| 40              | QPSK       | 50      | 0         | 22.13                 | 22.26                    | 22.16                  |                     |          |  |
| 40              | QPSK       | 50      | 28        | 22.98                 | 23.10                    | 23.04                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 50      | 56        | 22.10                 | 22.25                    | 22.11                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 100     | 0         | 22.17                 | 22.23                    | 22.13                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 22.30                 | 22.43                    | 22.34                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.71                 | 20.81                    | 20.75                  | 21.5                | 2.5      |  |
| 40              | 256QAM     | 1       | 1         | 18.61                 | 18.70                    | 18.66                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 23.17                 | 23.20                    | 23.03                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 23.08                 | 23.21                    | 23.10                  | 24.0                | 0.0      |  |

| n41 Ant1 DSI 4  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2544.01               | 2592.99                  | 2640                   |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 1         | 22.58                 | 22.72                    | 22.64                  |                     |          |  |
| 100             | PI/2 BPSK  | 1       | 137       | 22.45                 | 22.54                    | 22.43                  | 23.5                | 0.5      |  |
| 100             | PI/2 BPSK  | 1       | 271       | 22.62                 | 22.73                    | 22.63                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 0         | 22.15                 | 22.28                    | 22.14                  |                     |          |  |
| 100             | PI/2 BPSK  | 135     | 69        | 22.60                 | 22.72                    | 22.65                  | 24.0                | 0.0      |  |
| 100             | PI/2 BPSK  | 135     | 138       | 22.26                 | 22.34                    | 22.23                  | 23.5                | 0.5      |  |
| 100             | PI/2 BPSK  | 270     | 0         | 22.27                 | 22.35                    | 22.24                  |                     |          |  |
| 100             | QPSK       | 1       | 1         | 22.90                 | 23.04                    | 22.94                  |                     |          |  |
| 100             | QPSK       | 1       | 137       | 22.67                 | 22.72                    | 22.67                  | 24.0                | 0.0      |  |
| 100             | QPSK       | 1       | 271       | 22.67                 | 22.81                    | 22.73                  |                     |          |  |
| 100             | QPSK       | 135     | 0         | 21.71                 | 21.79                    | 21.67                  |                     |          |  |
| 100             | QPSK       | 135     | 69        | 22.65                 | 22.69                    | 22.64                  | 24.0                | 0.0      |  |
| 100             | QPSK       | 135     | 138       | 21.75                 | 21.86                    | 21.80                  | 23.0                | 1.0      |  |
| 100             | QPSK       | 270     | 0         | 21.77                 | 21.87                    | 21.80                  |                     |          |  |
| 100             | 16QAM      | 1       | 1         | 21.68                 | 21.79                    | 21.70                  |                     |          |  |
| 100             | 64QAM      | 1       | 1         | 20.26                 | 20.41                    | 20.35                  | 21.5                | 2.5      |  |
| 100             | 256QAM     | 1       | 1         | 18.28                 | 18.36                    | 18.25                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                | 24.0                | 0.0      |  |
| 90              | QPSK       | 1       | 1         | 22.80                 | 22.92                    | 22.79                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                | 24.0                | 0.0      |  |
| 80              | QPSK       | 1       | 1         | 22.77                 | 22.94                    | 22.82                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   | 24.0                | 0.0      |  |
| 70              | QPSK       | 1       | 1         | 22.81                 | 22.93                    | 22.85                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                | 24.0                | 0.0      |  |
| 60              | QPSK       | 1       | 1         | 22.79                 | 22.95                    | 22.84                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                | 24.0                | 0.0      |  |
| 50              | QPSK       | 1       | 1         | 22.81                 | 22.92                    | 22.78                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.75                 | 22.94                    | 22.83                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                | 24.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 22.81                 | 22.94                    | 22.82                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.83                 | 22.95                    | 22.80                  | 24.0                | 0.0      |  |



| n2 Ant4 DSI 4   |            |         |           |                       |                          |                        |                     |                     |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|---------------------|--|
| BW [MHz]        | 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                 | 23.0                | 0.0                 |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |                     |  |
| 20              | PI2 BPSK   | 1       | 1         | 21.48                 | 21.63                    | 21.52                  |                     |                     |  |
| 20              | PI2 BPSK   | 1       | 53        | 21.42                 | 21.56                    | 21.40                  |                     |                     |  |
| 20              | PI2 BPSK   | 1       | 104       | 21.46                 | 21.54                    | 21.44                  | 22.5                | 0.5                 |  |
| 20              | PI2 BPSK   | 50      | 0         | 21.07                 | 21.19                    | 21.08                  |                     |                     |  |
| 20              | PI2 BPSK   | 50      | 28        | 21.47                 | 21.58                    | 21.50                  |                     |                     |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.02                 | 21.14                    | 21.06                  |                     |                     |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.09                 | 21.16                    | 21.09                  | 22.0                | 0.5                 |  |
| 20              | QPSK       | 1       | 1         | 21.86                 | 21.96                    | 21.80                  |                     |                     |  |
| 20              | QPSK       | 1       | 53        | 21.69                 | 21.76                    | 21.73                  |                     |                     |  |
| 20              | QPSK       | 1       | 104       | 21.66                 | 21.70                    | 21.63                  |                     |                     |  |
| 20              | QPSK       | 50      | 0         | 20.58                 | 20.64                    | 20.58                  | 22.0                | 1.0                 |  |
| 20              | QPSK       | 50      | 28        | 21.51                 | 21.64                    | 21.50                  |                     |                     |  |
| 20              | QPSK       | 50      | 56        | 20.59                 | 20.64                    | 20.54                  |                     |                     |  |
| 20              | QPSK       | 100     | 0         | 20.60                 | 20.65                    | 20.61                  |                     |                     |  |
| 20              | 16QAM      | 1       | 1         | 20.63                 | 20.71                    | 20.64                  | 22.0                | 1.0                 |  |
| 20              | 64QAM      | 1       | 1         | 19.38                 | 19.47                    | 19.41                  |                     |                     |  |
| 20              | 256QAM     | 1       | 1         | 17.36                 | 17.48                    | 17.41                  |                     | 18.5                |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | 23.0                | 0.0                 |  |
| 15              | QPSK       | 1       | 1         | 21.75                 | 21.87                    | 21.72                  |                     |                     |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 |                     | Tune-up limit (dBm) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   |                     |                     |  |
| 10              | QPSK       | 1       | 1         | 21.72                 | 21.87                    | 21.71                  |                     | 23.0                |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 |                     |                     |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |                     |  |
| 5               | QPSK       | 1       | 1         | 21.76                 | 21.83                    | 21.66                  |                     |                     |  |

| n5 Ant4 DSI 4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | 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                | 167200                   | 167600                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.57                 | 22.68                    | 22.59                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.40                 | 22.49                    | 22.35                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.20                 | 22.31                    | 22.26                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.18                 | 22.23                    | 22.13                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.35                 | 22.49                    | 22.39                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.95                 | 22.04                    | 21.96                  |                     |          |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.77                 | 21.93                    | 21.79                  | 22.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 22.72                 | 22.77                    | 22.65                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.40                 | 22.47                    | 22.40                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.25                 | 22.29                    | 22.21                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.55                 | 21.69                    | 21.61                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.43                 | 22.51                    | 22.41                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 21.32                 | 21.46                    | 21.36                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 21.51                 | 21.61                    | 21.57                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.77                 | 21.92                    | 21.83                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.93                 | 20.03                    | 19.91                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.32                 | 18.47                    | 18.36                  |                     | 18.5     |  |
| Channel         |            |         |           | 166300                | 167200                   | 167500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.60                 | 22.71                    | 22.52                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.56                 | 22.62                    | 22.50                  |                     | 23.0     |  |
| Channel         |            |         |           | 166300                | 167300                   | 169300                 |                     |          |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.64                 | 22.66                    | 22.57                  |                     |          |  |

| n7 Ant4 DSI 4   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 504000                | 507000                   | 510000                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 22.52                 | 22.67                    | 22.48                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 22.64                 | 22.74                    | 22.58                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 22.69                 | 22.77                    | 22.69                  | 23.5                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 22.17                 | 22.28                    | 22.11                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 22.55                 | 22.64                    | 22.57                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 108       | 22.31                 | 22.41                    | 22.30                  |                     |          |  |
| 40              | PI2 BPSK   | 216     | 0         | 22.27                 | 22.38                    | 22.24                  | 24.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.81                 | 22.82                    | 22.59                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.81                 | 22.80                    | 22.82                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.65                 | 22.70                    | 22.62                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.70                 | 21.80                    | 21.78                  | 23.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 22.69                 | 22.78                    | 22.59                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 21.86                 | 21.92                    | 21.78                  |                     |          |  |
| 40              | QPSK       | 216     | 0         | 21.75                 | 21.80                    | 21.79                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 21.82                 | 21.98                    | 21.81                  | 23.0                | 1.0      |  |
| 40              | 64QAM      | 1       | 1         | 20.25                 | 20.30                    | 20.25                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.29                 | 18.33                    | 18.30                  |                     | 19.5     |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.53                 | 22.69                    | 22.50                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 22.29                 | 22.74                    | 22.51                  |                     | 24.0     |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.50                 | 22.65                    | 22.55                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.48                 | 22.80                    | 22.42                  |                     | 24.0     |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.47                 | 22.76                    | 22.61                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.54                 | 22.73                    | 22.54                  |                     |          |  |

| n26 Ant4 DSI 4  |            |         |           |                       |                          |                        |                     |          |  |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |  |
| Channel         |            |         |           | 164800                | 166300                   | 167800                 | 24.0                | 0.0      |  |  |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |  |  |
| 20              | Pl/2 BPSK  | 1       | 1         | 22.62                 | 22.68                    | 22.57                  |                     |          |  |  |  |
| 20              | Pl/2 BPSK  | 1       | 53        | 22.54                 | 22.58                    | 22.42                  |                     |          |  |  |  |
| 20              | Pl/2 BPSK  | 1       | 104       | 22.32                 | 22.45                    | 22.29                  | 23.5                | 0.5      |  |  |  |
| 20              | Pl/2 BPSK  | 50      | 0         | 22.24                 | 22.34                    | 22.23                  |                     |          |  |  |  |
| 20              | Pl/2 BPSK  | 50      | 28        | 22.54                 | 22.60                    | 22.49                  |                     |          |  |  |  |
| 20              | Pl/2 BPSK  | 50      | 56        | 22.00                 | 22.08                    | 21.94                  |                     |          |  |  |  |
| 20              | Pl/2 BPSK  | 100     | 0         | 22.16                 | 22.28                    | 22.15                  | 23.5                | 0.5      |  |  |  |
| 20              | QPSK       | 1       | 1         | 22.67                 | 22.81                    | 22.74                  |                     |          |  |  |  |
| 20              | QPSK       | 1       | 53        | 22.50                 | 22.81                    | 22.47                  |                     |          |  |  |  |
| 20              | QPSK       | 1       | 104       | 22.39                 | 22.49                    | 22.37                  |                     |          |  |  |  |
| 20              | QPSK       | 50      | 0         | 21.71                 | 21.81                    | 21.75                  | 23.0                | 1.0      |  |  |  |
| 20              | QPSK       | 50      | 28        | 22.43                 | 22.58                    | 22.44                  |                     |          |  |  |  |
| 20              | QPSK       | 50      | 56        | 21.42                 | 21.58                    | 21.42                  |                     |          |  |  |  |
| 20              | QPSK       | 100     | 0         | 21.60                 | 21.73                    | 21.63                  |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 1         | 21.79                 | 21.93                    | 21.83                  | 23.0                | 1.0      |  |  |  |
| 20              | 64QAM      | 1       | 1         | 20.31                 | 20.42                    | 20.31                  |                     |          |  |  |  |
| 20              | 256QAM     | 1       | 1         | 18.38                 | 18.48                    | 18.39                  |                     |          |  |  |  |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | 19.5                | 4.5      |  |  |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  | Tune-up limit (dBm) |          |  |  |  |
| 15              | QPSK       | 1       | 1         | 22.59                 | 22.71                    | 22.68                  | 24.0                | 0.0      |  |  |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) |          |  |  |  |
| Frequency (MHz) |            |         |           | 815                   | 831.5                    | 844                    | MPR (dB)            |          |  |  |  |
| 10              | QPSK       | 1       | 1         | 22.63                 | 22.76                    | 22.58                  | 24.0                | 0.0      |  |  |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) |          |  |  |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  | MPR (dB)            |          |  |  |  |
| 5               | QPSK       | 1       | 1         | 22.56                 | 22.70                    | 22.65                  | 24.0                | 0.0      |  |  |  |

| n66 Ant4 DSI 4  |            |         |           |                       |                          |                        |                     |          |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]        | 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                   | 352000                 | 23.0                | 0.0      |  |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1760                   |                     |          |  |  |
| 40              | Pl/2 BPSK  | 1       | 1         | 21.71                 | 21.79                    | 21.67                  |                     |          |  |  |
| 40              | Pl/2 BPSK  | 1       | 108       | 21.73                 | 21.83                    | 21.77                  |                     |          |  |  |
| 40              | Pl/2 BPSK  | 1       | 214       | 21.71                 | 21.87                    | 21.76                  | 22.5                | 0.5      |  |  |
| 40              | Pl/2 BPSK  | 108     | 0         | 21.37                 | 21.42                    | 21.32                  |                     |          |  |  |
| 40              | Pl/2 BPSK  | 108     | 54        | 21.70                 | 21.85                    | 21.75                  |                     |          |  |  |
| 40              | Pl/2 BPSK  | 108     | 108       | 21.42                 | 21.56                    | 21.44                  |                     |          |  |  |
| 40              | Pl/2 BPSK  | 216     | 0         | 21.39                 | 21.48                    | 21.35                  | 22.5                | 0.5      |  |  |
| 40              | QPSK       | 1       | 1         | 21.91                 | 21.99                    | 21.84                  |                     |          |  |  |
| 40              | QPSK       | 1       | 108       | 21.76                 | 21.85                    | 21.75                  |                     |          |  |  |
| 40              | QPSK       | 1       | 214       | 21.88                 | 21.96                    | 21.82                  |                     |          |  |  |
| 40              | QPSK       | 108     | 0         | 20.88                 | 21.00                    | 20.85                  | 22.0                | 1.0      |  |  |
| 40              | QPSK       | 108     | 54        | 21.74                 | 21.87                    | 21.75                  |                     |          |  |  |
| 40              | QPSK       | 108     | 108       | 21.04                 | 21.10                    | 20.98                  |                     |          |  |  |
| 40              | QPSK       | 216     | 0         | 20.94                 | 20.99                    | 20.93                  |                     |          |  |  |
| 40              | 16QAM      | 1       | 1         | 21.03                 | 21.09                    | 20.98                  | 22.0                | 1.0      |  |  |
| 40              | 64QAM      | 1       | 1         | 19.41                 | 19.57                    | 19.51                  |                     |          |  |  |
| 40              | 256QAM     | 1       | 1         | 17.43                 | 17.56                    | 17.41                  |                     |          |  |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | 18.5                | 4.5      |  |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   | Tune-up limit (dBm) |          |  |  |
| 30              | QPSK       | 1       | 1         | 21.80                 | 21.83                    | 21.80                  | 23.0                | MPR (dB) |  |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) |          |  |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | MPR (dB)            |          |  |  |
| 20              | QPSK       | 1       | 1         | 21.85                 | 21.94                    | 21.69                  | 23.0                | MPR (dB) |  |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) |          |  |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | MPR (dB)            |          |  |  |
| 15              | QPSK       | 1       | 1         | 21.81                 | 21.91                    | 21.71                  | 23.0                | MPR (dB) |  |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) |          |  |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | MPR (dB)            |          |  |  |
| 10              | QPSK       | 1       | 1         | 21.80                 | 21.84                    | 21.77                  | 23.0                | MPR (dB) |  |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) |          |  |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | MPR (dB)            |          |  |  |
| 5               | QPSK       | 1       | 1         | 21.85                 | 21.90                    | 21.70                  | 23.0                | 0.0      |  |  |

## Part27Q n78 Ant3 DSI 4

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 22.80                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 23.19                          |                              | 24.0                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 22.98                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 22.66                          |                              | 23.5                   | 0.5         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 23.06                          |                              | 24.0                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 22.87                          |                              | 23.5                   | 0.5         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 22.73                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 23.33                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 23.06                          |                              | 24.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 23.28                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 22.11                          |                              | 23.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        |                             | 23.08                          |                              | 24.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 22.26                          |                              | 23.0                   | 1.0         |
| 100             | QPSK       | 270     | 0         |                             | 22.13                          |                              |                        |             |
| 100             | 16QAM      | 1       | 1         |                             | 21.92                          |                              | 23.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         |                             | 20.17                          |                              | 21.5                   | 2.5         |
| 100             | 256QAM     | 1       | 1         |                             | 18.66                          |                              | 19.5                   | 4.5         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 23.23                       | 23.18                          | 23.25                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 23.17                       | 23.20                          | 23.19                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 23.28                       | 23.22                          | 23.23                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 23.29                       | 23.21                          | 23.19                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 23.17                       | 23.21                          | 23.26                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 23.23                       | 23.18                          | 23.25                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 23.26                       | 23.19                          | 23.19                        | 24.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 23.20                       | 23.25                          | 23.28                        | 24.0                   | 0.0         |

## Part27Q n78 Ant5 DSI 4

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 20.58                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 20.80                          |                              | 22.0                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 20.89                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 20.36                          |                              | 21.5                   | 0.5         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 20.76                          |                              | 22.0                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 20.42                          |                              | 21.5                   | 0.5         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 20.37                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 20.93                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 20.78                          |                              | 22.0                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 20.89                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 19.81                          |                              | 21.0                   | 1.0         |
| 100             | QPSK       | 135     | 69        |                             | 20.74                          |                              | 22.0                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 20.01                          |                              |                        |             |
| 100             | QPSK       | 270     | 0         |                             | 19.90                          |                              | 21.0                   | 1.0         |
| 100             | 16QAM      | 1       | 1         |                             | 19.71                          |                              | 21.0                   | 1.0         |
| 100             | 64QAM      | 1       | 1         |                             | 17.99                          |                              | 19.5                   | 2.5         |
| 100             | 256QAM     | 1       | 1         |                             | 16.46                          |                              | 17.5                   | 4.5         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 20.86                       | 20.86                          | 20.78                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 20.80                       | 20.82                          | 20.78                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 20.84                       | 20.82                          | 20.82                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 20.78                       | 20.88                          | 20.87                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 20.83                       | 20.82                          | 20.81                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 20.85                       | 20.88                          | 20.84                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 20.84                       | 20.81                          | 20.83                        | 22.0                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 20.83                       | 20.86                          | 20.87                        | 22.0                   | 0.0         |

## Part27Q n78 Ant7 DSI 4

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 19.58                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 19.59                          |                              | 21.5                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 19.51                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 19.59                          |                              | 21.5                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 19.56                          |                              | 21.5                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 19.66                          |                              | 21.5                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 19.54                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 19.94                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 19.82                          |                              | 21.5                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 19.71                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 19.71                          |                              | 21.0                   | 0.5         |
| 100             | QPSK       | 135     | 69        |                             | 19.91                          |                              | 21.5                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 19.69                          |                              |                        |             |
| 100             | QPSK       | 270     | 0         |                             | 19.73                          |                              | 21.0                   | 0.5         |
| 100             | 16QAM      | 1       | 1         |                             | 19.78                          |                              | 21.0                   | 0.5         |
| 100             | 64QAM      | 1       | 1         |                             | 18.19                          |                              | 19.5                   | 2.0         |
| 100             | 256QAM     | 1       | 1         |                             | 16.65                          |                              | 17.5                   | 4.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 19.79                       | 19.81                          | 19.78                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 19.81                       | 19.86                          | 19.88                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 19.85                       | 19.87                          | 19.89                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 19.85                       | 19.79                          | 19.81                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 19.85                       | 19.86                          | 19.79                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 19.80                       | 19.81                          | 19.84                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 19.77                       | 19.81                          | 19.82                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 19.77                       | 19.82                          | 19.77                        | 21.5                   | 0.0         |

## Part27Q n78 Ant8 DSI 4

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 17.61                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 17.53                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 17.52                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 17.57                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 17.57                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 17.54                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 17.54                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 17.91                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 17.80                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 17.71                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 17.70                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 17.88                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 17.66                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 17.66                          |                              | 19.4                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 17.69                          |                              | 19.4                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 16.53                          |                              | 18.5                   | 0.9         |
| 100             | 256QAM     | 1       | 1         |                             | 14.68                          |                              | 16.5                   | 2.9         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 17.86                       | 17.84                          | 17.79                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 17.82                       | 17.86                          | 17.84                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 17.78                       | 17.80                          | 17.83                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 17.77                       | 17.84                          | 17.87                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 17.87                       | 17.83                          | 17.77                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 17.82                       | 17.77                          | 17.81                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 17.80                       | 17.78                          | 17.77                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 17.80                       | 17.84                          | 17.82                        | 19.4                   | 0.0         |

## Reduced Power Mode for DSI6

| n5 Ant0 DSI 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         |            |         |           | 166800                | 167300                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.91                 | 23.00                    | 22.92                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.81                 | 22.92                    | 22.83                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.63                 | 22.75                    | 22.60                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53                 | 22.61                    | 22.56                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.85                 | 22.95                    | 22.91                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.30                 | 22.42                    | 22.33                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.42                 | 22.56                    | 22.51                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.13                 | 23.17                    | 23.09                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.90                 | 22.98                    | 22.83                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.73                 | 22.82                    | 22.66                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.05                 | 22.11                    | 22.05                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 22.84                 | 22.94                    | 22.88                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 56        | 21.78                 | 21.89                    | 21.84                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.94                 | 22.00                    | 21.94                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.94                 | 22.10                    | 22.03                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.06                 | 21.18                    | 21.12                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.92                 | 18.98                    | 18.87                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.00                 | 23.10                    | 23.04                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.08                 | 23.07                    | 23.00                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.02                 | 23.02                    | 23.03                  | 24.0                | 0.0      |  |

| n26 Ant0 DSI 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         |            |         |           | 164800                | 166300                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.90                 | 23.00                    | 22.91                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.80                 | 22.92                    | 22.80                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.74                 | 22.84                    | 22.79                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.49                 | 22.65                    | 22.57                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.86                 | 22.94                    | 22.79                  | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.37                 | 22.49                    | 22.35                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.47                 | 22.60                    | 22.52                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.96                 | 23.03                    | 22.92                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.86                 | 22.95                    | 22.85                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.78                 | 22.89                    | 22.85                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.00                 | 22.10                    | 21.96                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 22.85                 | 22.98                    | 22.90                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.86                 | 21.97                    | 21.86                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.93                 | 22.07                    | 21.92                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.23                    | 22.19                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.50                 | 20.60                    | 20.45                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.50                 | 18.57                    | 18.52                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.86                 | 22.94                    | 22.79                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.89                 | 22.95                    | 22.84                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.84                 | 22.97                    | 22.81                  | 24.0                | 0.0      |  |



| n2 Ant1 DSI 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         |            |         |           | 372000                | 376000                   | 380000                 | 23.6                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.11                 | 22.26                    | 22.15                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.05                 | 22.19                    | 22.03                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.09                 | 22.17                    | 22.07                  | 23.6                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.05                 | 22.20                    | 22.09                  | 23.6                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.05                 | 22.20                    | 22.09                  | 23.6                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.99                 | 22.13                    | 21.97                  | 23.6                | 0.0      |  |
| 20              | PI2 BPSK   | 100     | 0         | 22.03                 | 22.11                    | 22.01                  | 23.6                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.49                 | 22.59                    | 22.43                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.32                 | 22.41                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.29                 | 22.33                    | 22.26                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.09                 | 22.20                    | 22.15                  | 23.0                | 0.6      |  |
| 20              | QPSK       | 50      | 28        | 22.43                 | 22.53                    | 22.37                  | 23.6                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 22.13                 | 22.18                    | 22.03                  | 23.0                | 0.6      |  |
| 20              | QPSK       | 100     | 0         | 22.12                 | 22.21                    | 22.09                  | 23.0                | 0.6      |  |
| 20              | 16QAM      | 1       | 1         | 22.23                 | 22.36                    | 22.31                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 20.53                 | 20.68                    | 20.63                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.53                 | 18.63                    | 18.58                  |                     |          |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | 23.6                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.33                 | 22.50                    | 22.37                  |                     |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   | 23.6                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.35                 | 22.44                    | 22.38                  |                     |          |  |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (db) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.43                 | 22.52                    | 22.35                  | 23.6                | 0.0      |  |

| n7 Ant1 DSI 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         |            |         |           | 500000                | 507000                   | 510000                 | 22.6                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 21.22                 | 21.45                    | 21.30                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 21.21                 | 21.31                    | 21.18                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 21.30                 | 21.36                    | 21.30                  | 22.6                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 21.22                 | 21.36                    | 21.23                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 21.27                 | 21.41                    | 21.22                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 108       | 21.20                 | 21.27                    | 21.14                  |                     |          |  |
| 40              | PI2 BPSK   | 216     | 0         | 21.22                 | 21.28                    | 21.16                  | 22.6                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 21.66                 | 21.74                    | 21.60                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 21.51                 | 21.61                    | 21.54                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 21.50                 | 21.52                    | 21.38                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.49                 | 21.49                    | 21.45                  | 22.6                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 21.68                 | 21.68                    | 21.58                  | 22.6                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 21.37                 | 21.46                    | 21.39                  | 22.6                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 21.41                 | 21.43                    | 21.33                  | 22.6                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.45                 | 21.57                    | 21.45                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.16                 | 20.30                    | 20.19                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.17                 | 18.25                    | 18.13                  |                     |          |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 22.6                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 21.48                 | 21.46                    | 21.44                  |                     |          |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 22.6                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 21.38                 | 21.53                    | 21.43                  |                     |          |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 22.6                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 21.39                 | 21.51                    | 21.44                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 22.6                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 21.46                 | 21.46                    | 21.50                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 22.6                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 21.40                 | 21.58                    | 21.52                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 22.6                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 21.41                 | 21.51                    | 21.43                  |                     |          |  |

| n66 Ant1 DSI 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         |            |         |           | 346000                | 348000                   | 350000                 | 23.6                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 21.96                 | 22.09                    | 22.07                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 21.89                 | 22.02                    | 21.92                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 21.91                 | 21.96                    | 21.90                  | 23.1                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 0         | 21.87                 | 22.11                    | 21.91                  | 23.1                | 0.5      |  |
| 40              | PI2 BPSK   | 108     | 54        | 21.92                 | 22.10                    | 21.97                  | 23.6                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 21.91                 | 21.99                    | 21.79                  | 23.1                | 0.5      |  |
| 40              | PI2 BPSK   | 216     | 0         | 21.87                 | 21.99                    | 21.86                  | 23.6                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.37                 | 22.42                    | 22.26                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 22.21                 | 22.24                    | 22.15                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 22.12                 | 22.15                    | 22.09                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 21.92                 | 22.07                    | 22.03                  | 22.6                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 22.29                 | 22.39                    | 22.24                  | 23.6                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 21.97                 | 22.06                    | 22.02                  | 22.6                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 21.97                 | 22.04                    | 21.88                  | 22.6                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 21.97                 | 22.13                    | 22.07                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 20.48                 | 20.56                    | 20.47                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.42                 | 18.50                    | 18.41                  |                     |          |  |
| Channel         |            |         |           | 345000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   | 23.6                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 22.13                 | 22.11                    | 22.04                  |                     |          |  |
| Channel         |            |         |           | 344000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | 23.6                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.08                 | 22.12                    | 21.93                  |                     |          |  |
| Channel         |            |         |           | 343000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 23.6                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.10                 | 22.15                    | 22.04                  |                     |          |  |
| Channel         |            |         |           | 343000                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 23.6                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.15                 | 22.16                    | 22.00                  |                     |          |  |
| Channel         |            |         |           | 342600                | 348000                   | 350000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 23.6                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.09                 | 22.22                    | 21.99                  |                     |          |  |

| n38 Ant1 DSI 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         |            |         |           | 518004                | 519000                   | 519996                 | 23.2                | 0.0      |     |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.55                 | 21.82                    | 21.62                  |                     |          |     |
| 40              | PI/2 BPSK  | 1       | 53        | 21.43                 | 21.65                    | 21.53                  | 23.2                | 0.0      |     |
| 40              | PI/2 BPSK  | 1       | 104       | 21.53                 | 21.65                    | 21.51                  |                     |          |     |
| 40              | PI/2 BPSK  | 50      | 0         | 21.50                 | 21.68                    | 21.56                  |                     |          |     |
| 40              | PI/2 BPSK  | 50      | 28        | 21.55                 | 21.68                    | 21.53                  | 23.2                | 0.0      |     |
| 40              | PI/2 BPSK  | 50      | 56        | 21.41                 | 21.62                    | 21.36                  |                     |          |     |
| 40              | PI/2 BPSK  | 100     | 0         | 21.50                 | 21.64                    | 21.49                  |                     |          |     |
| 40              | QPSK       | 1       | 1         | 22.03                 | 22.06                    | 21.97                  | 23.2                | 0.0      |     |
| 40              | QPSK       | 1       | 53        | 21.81                 | 21.82                    | 21.82                  |                     |          |     |
| 40              | QPSK       | 1       | 104       | 21.72                 | 21.81                    | 21.68                  |                     |          |     |
| 40              | QPSK       | 50      | 0         | 21.84                 | 21.95                    | 21.80                  | 23.2                | 0.0      |     |
| 40              | QPSK       | 50      | 28        | 21.83                 | 21.99                    | 21.78                  |                     |          |     |
| 40              | QPSK       | 50      | 56        | 21.90                 | 21.94                    | 21.80                  |                     |          |     |
| 40              | QPSK       | 100     | 0         | 21.86                 | 21.90                    | 21.89                  | 23.0                | 0.2      |     |
| 40              | 16QAM      | 1       | 1         | 21.83                 | 21.97                    | 21.85                  |                     |          |     |
| 40              | 64QAM      | 1       | 1         | 20.71                 | 20.81                    | 20.75                  |                     |          |     |
| 40              | 256QAM     | 1       | 1         | 18.61                 | 18.70                    | 18.66                  | 19.5                |          | 3.7 |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                | 23.2                | 0.0      |     |
| 30              | QPSK       | 1       | 1         | 21.71                 | 21.80                    | 21.70                  |                     |          |     |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   | 23.2                | 0.0      |     |
| 20              | QPSK       | 1       | 1         | 21.67                 | 21.89                    | 21.69                  |                     |          |     |

| n41 Ant1 DSI 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         |            |         |           | 509202                | 518598                   | 528000                 | 23.2                | 0.0      |     |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.52                 | 21.78                    | 21.59                  |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.46                 | 21.62                    | 21.56                  | 23.2                | 0.0      |     |
| 100             | PI/2 BPSK  | 1       | 271       | 21.54                 | 21.66                    | 21.55                  |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 0         | 21.56                 | 21.64                    | 21.60                  |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 69        | 21.51                 | 21.69                    | 21.52                  | 23.2                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 138       | 21.46                 | 21.66                    | 21.41                  |                     |          |     |
| 100             | PI/2 BPSK  | 270     | 0         | 21.46                 | 21.59                    | 21.53                  |                     |          |     |
| 100             | QPSK       | 1       | 1         | 21.97                 | 22.01                    | 21.96                  | 23.2                | 0.0      |     |
| 100             | QPSK       | 1       | 137       | 21.84                 | 21.84                    | 21.84                  |                     |          |     |
| 100             | QPSK       | 1       | 271       | 21.70                 | 21.81                    | 21.67                  |                     |          |     |
| 100             | QPSK       | 135     | 0         | 21.71                 | 21.79                    | 21.67                  | 23.0                | 0.2      |     |
| 100             | QPSK       | 135     | 69        | 21.87                 | 21.94                    | 21.83                  |                     |          |     |
| 100             | QPSK       | 135     | 138       | 21.75                 | 21.86                    | 21.80                  |                     |          |     |
| 100             | QPSK       | 270     | 0         | 21.77                 | 21.87                    | 21.80                  | 23.0                | 0.2      |     |
| 100             | 16QAM      | 1       | 1         | 21.68                 | 21.79                    | 21.70                  |                     |          |     |
| 100             | 64QAM      | 1       | 1         | 20.26                 | 20.41                    | 20.35                  |                     |          |     |
| 100             | 256QAM     | 1       | 1         | 18.28                 | 18.36                    | 18.25                  | 19.5                |          | 3.7 |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                | 23.2                | 0.0      |     |
| 90              | QPSK       | 1       | 1         | 21.73                 | 21.83                    | 21.75                  |                     |          |     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                | 23.2                | 0.0      |     |
| 80              | QPSK       | 1       | 1         | 21.78                 | 21.87                    | 21.73                  |                     |          |     |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   | 23.2                | 0.0      |     |
| 70              | QPSK       | 1       | 1         | 21.73                 | 21.80                    | 21.72                  |                     |          |     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                | 23.2                | 0.0      |     |
| 60              | QPSK       | 1       | 1         | 21.72                 | 21.87                    | 21.76                  |                     |          |     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                | 23.2                | 0.0      |     |
| 50              | QPSK       | 1       | 1         | 21.73                 | 21.85                    | 21.81                  |                     |          |     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   | 23.2                | 0.0      |     |
| 40              | QPSK       | 1       | 1         | 21.77                 | 21.86                    | 21.71                  |                     |          |     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                | 23.2                | 0.0      |     |
| 30              | QPSK       | 1       | 1         | 21.72                 | 21.84                    | 21.78                  |                     |          |     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                | 23.2                | 0.0      |     |
| 20              | QPSK       | 1       | 1         | 21.77                 | 21.86                    | 21.80                  |                     |          |     |

## Part27Q n78 Ant3 DSI 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 18.14                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 18.14                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 18.12                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 18.06                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 18.14                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 18.10                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 18.03                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 18.51                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 18.32                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 18.29                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 18.33                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 18.46                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 18.23                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 18.22                          |                              | 19.4                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 18.22                          |                              | 19.4                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 18.24                          |                              | 19.4                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 18.15                          |                              | 19.4                   | 0.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 18.47                       | 18.38                          | 18.36                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 18.41                       | 18.46                          | 18.39                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 18.39                       | 18.36                          | 18.42                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 18.42                       | 18.40                          | 18.43                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 18.40                       | 18.41                          | 18.45                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 18.36                       | 18.37                          | 18.43                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 18.40                       | 18.41                          | 18.40                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 18.45                       | 18.44                          | 18.47                        | 19.4                   | 0.0         |



| n2 Ant4 DSI 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         |            |         |           | 372000                | 376000                   | 380000                 | 21.7                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 20.35                 | 20.53                    | 20.42                  | 21.7                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 20.32                 | 20.51                    | 20.33                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 20.40                 | 20.38                    | 20.31                  | 21.7                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 0         | 20.38                 | 20.47                    | 20.31                  | 21.7                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 28        | 20.35                 | 20.46                    | 20.41                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 56        | 20.25                 | 20.38                    | 20.19                  | 21.7                | 0.0      |  |
| 20              | PI2 BPSK   | 100     | 0         | 20.27                 | 20.43                    | 20.22                  | 21.7                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 20.72                 | 20.90                    | 20.66                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 20.57                 | 20.72                    | 20.63                  | 21.7                | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 20.53                 | 20.55                    | 20.54                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.58                 | 20.64                    | 20.58                  | 21.7                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 20.66                 | 20.75                    | 20.70                  | 21.7                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 20.59                 | 20.64                    | 20.54                  | 21.7                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 20.60                 | 20.65                    | 20.61                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 20.63                 | 20.71                    | 20.64                  | 21.7                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.38                 | 19.47                    | 19.41                  | 20.5                | 1.2      |  |
| 20              | 256QAM     | 1       | 1         | 17.36                 | 17.48                    | 17.41                  | 18.5                | 3.2      |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 | 21.7                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 20.56                 | 20.58                    | 20.62                  |                     |          |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1905                  | 1920                     | 1905                   | 21.7                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 20.50                 | 20.64                    | 20.61                  |                     |          |  |
| Channel         |            |         |           | 375500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 | 21.7                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 20.56                 | 20.61                    | 20.59                  |                     |          |  |

| n5 Ant4 DSI 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         |            |         |           | 166800                | 167300                   | 167800                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 22.57                 | 22.68                    | 22.59                  | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 1       | 53        | 22.40                 | 22.49                    | 22.35                  |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 22.20                 | 22.31                    | 22.26                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 50      | 0         | 22.18                 | 22.23                    | 22.13                  |                     |          |  |
| 20              | PI2 BPSK   | 50      | 28        | 22.35                 | 22.49                    | 22.39                  | 23.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 56        | 21.95                 | 22.04                    | 21.96                  | 22.5                | 0.5      |  |
| 20              | PI2 BPSK   | 100     | 0         | 21.77                 | 21.93                    | 21.79                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.72                 | 22.77                    | 22.65                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.40                 | 22.47                    | 22.40                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.25                 | 22.29                    | 22.21                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 21.55                 | 21.69                    | 21.61                  |                     |          |  |
| 20              | QPSK       | 50      | 28        | 22.43                 | 22.51                    | 22.41                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.32                 | 21.46                    | 21.36                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.51                 | 21.61                    | 21.57                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.77                 | 21.92                    | 21.83                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.93                 | 20.03                    | 19.91                  | 20.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.32                 | 18.47                    | 18.36                  | 18.5                | 4.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 167800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | 23.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.60                 | 22.71                    | 22.52                  |                     |          |  |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 820                   | 836.5                    | 844                    | 23.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.56                 | 22.62                    | 22.50                  |                     |          |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | 23.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.64                 | 22.66                    | 22.57                  |                     |          |  |

| n7 Ant4 DSI 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         |            |         |           | 504000                | 507000                   | 510000                 | 21.9                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 20.12                 | 20.27                    | 20.07                  | 21.9                | 0.0      |  |
| 40              | PI2 BPSK   | 1       | 108       | 20.02                 | 20.16                    | 19.95                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 20.00                 | 20.11                    | 20.00                  | 21.9                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 20.03                 | 20.14                    | 20.08                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 20.02                 | 20.18                    | 20.09                  | 21.9                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 19.95                 | 20.06                    | 19.96                  | 21.9                | 0.0      |  |
| 40              | PI2 BPSK   | 216     | 0         | 20.00                 | 20.13                    | 19.99                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 20.44                 | 20.61                    | 20.40                  | 21.9                | 0.0      |  |
| 40              | QPSK       | 1       | 198       | 20.33                 | 20.38                    | 20.37                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 20.28                 | 20.29                    | 20.27                  | 21.9                | 0.0      |  |
| 40              | QPSK       | 108     | 0         | 20.23                 | 20.33                    | 20.26                  |                     |          |  |
| 40              | QPSK       | 108     | 54        | 20.48                 | 20.47                    | 20.31                  | 21.9                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 20.22                 | 20.21                    | 20.17                  | 21.9                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 20.25                 | 20.27                    | 20.14                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 20.25                 | 20.38                    | 20.24                  | 21.9                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 20.25                 | 20.30                    | 20.25                  | 21.9                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 18.79                 | 19.83                    | 19.80                  | 21.7                | 0.2      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 21.9                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 20.19                 | 20.32                    | 20.27                  |                     |          |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 21.9                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 20.18                 | 20.28                    | 20.27                  |                     |          |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 21.9                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 20.23                 | 20.37                    | 20.31                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 21.9                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 20.18                 | 20.28                    | 20.28                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 21.9                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 20.27                 | 20.38                    | 20.32                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 21.9                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 20.21                 | 20.37                    | 20.23                  |                     |          |  |

| n26 Ant4 DSI 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         |            |         |           | 164800                | 166300                   | 167800                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | Pl/2 BPSK  | 1       | 1         | 22.62                 | 22.68                    | 22.57                  |                     |          |  |
| 20              | Pl/2 BPSK  | 1       | 53        | 22.54                 | 22.58                    | 22.42                  |                     |          |  |
| 20              | Pl/2 BPSK  | 1       | 104       | 22.32                 | 22.45                    | 22.29                  | 23.5                | 0.5      |  |
| 20              | Pl/2 BPSK  | 50      | 0         | 22.24                 | 22.34                    | 22.23                  | 23.5                | 0.0      |  |
| 20              | Pl/2 BPSK  | 50      | 28        | 22.54                 | 22.60                    | 22.49                  | 24.0                | 0.0      |  |
| 20              | Pl/2 BPSK  | 50      | 56        | 22.00                 | 22.08                    | 21.94                  | 23.5                | 0.5      |  |
| 20              | Pl/2 BPSK  | 100     | 0         | 22.16                 | 22.28                    | 22.15                  | 23.5                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.67                 | 22.81                    | 22.74                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.50                 | 22.81                    | 22.47                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.39                 | 22.49                    | 22.37                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.71                 | 21.81                    | 21.75                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.43                 | 22.58                    | 22.44                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.42                 | 21.58                    | 21.42                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.60                 | 21.73                    | 21.63                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.79                 | 21.93                    | 21.83                  | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.31                 | 20.42                    | 20.31                  | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.38                 | 18.48                    | 18.39                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 164300                | 165300                   | 166300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 22.59                 | 22.71                    | 22.68                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 815                   | 831.5                    | 844                    | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 22.63                 | 22.76                    | 22.58                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 22.56                 | 22.70                    | 22.65                  | 24.0                | 0.0      |  |

| n66 Ant4 DSI 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         |            |         |           | 346000                | 349000                   | 352000                 | 20.3                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | Pl/2 BPSK  | 1       | 1         | 19.01                 | 19.12                    | 19.05                  |                     |          |  |
| 40              | Pl/2 BPSK  | 1       | 108       | 18.98                 | 19.09                    | 18.94                  |                     |          |  |
| 40              | Pl/2 BPSK  | 1       | 214       | 18.92                 | 19.00                    | 18.95                  | 20.3                | 0.0      |  |
| 40              | Pl/2 BPSK  | 108     | 0         | 18.97                 | 19.09                    | 18.98                  | 20.3                | 0.0      |  |
| 40              | Pl/2 BPSK  | 108     | 54        | 18.87                 | 19.04                    | 18.97                  | 20.3                | 0.0      |  |
| 40              | Pl/2 BPSK  | 108     | 108       | 18.86                 | 19.00                    | 18.88                  | 20.3                | 0.0      |  |
| 40              | Pl/2 BPSK  | 216     | 0         | 18.84                 | 18.96                    | 18.91                  | 20.3                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 19.38                 | 19.48                    | 19.25                  | 20.3                | 0.0      |  |
| 40              | QPSK       | 1       | 108       | 19.17                 | 19.34                    | 19.24                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 19.11                 | 19.21                    | 19.08                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 19.19                 | 19.18                    | 19.15                  | 20.3                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 19.28                 | 19.44                    | 19.20                  | 20.3                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 19.13                 | 19.12                    | 19.08                  | 20.3                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 19.07                 | 19.17                    | 19.00                  | 20.3                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 19.13                 | 19.18                    | 19.15                  | 20.3                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 19.24                 | 19.43                    | 19.25                  | 20.3                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 17.43                 | 17.58                    | 17.41                  | 18.5                | 1.8      |  |
| Channel         |            |         |           | 345500                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1728                  | 1745                     | 1765                   | 20.3                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 19.27                 | 19.40                    | 19.28                  | 20.3                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | 20.3                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 19.36                 | 19.42                    | 19.30                  | 20.3                | 0.0      |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 20.3                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 19.34                 | 19.37                    | 19.26                  | 20.3                | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1716                  | 1745                     | 1776                   | 20.3                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 19.35                 | 19.44                    | 19.29                  | 20.3                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 20.3                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 19.25                 | 19.39                    | 19.25                  | 20.3                | 0.0      |  |

## Part27Q n78 Ant5 DSI 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 16.43                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 16.39                          |                              | 18.2                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 16.33                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 16.38                          |                              | 18.2                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 16.37                          |                              | 18.2                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 16.29                          |                              | 18.2                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 16.34                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 16.81                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 16.59                          |                              | 18.2                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 16.48                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 16.52                          |                              | 18.2                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 16.74                          |                              | 18.2                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 16.50                          |                              | 18.2                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 16.47                          |                              | 18.2                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 16.56                          |                              | 18.2                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 16.55                          |                              | 18.2                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 16.46                          |                              | 17.5                   | 0.7         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 16.77                       | 16.65                          | 16.72                        | 18.2                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 16.65                       | 16.69                          | 16.68                        | 18.2                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 16.78                       | 16.74                          | 16.70                        | 18.2                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 16.76                       | 16.71                          | 16.67                        | 18.2                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 16.65                       | 16.66                          | 16.76                        | 18.2                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 16.70                       | 16.76                          | 16.74                        | 18.2                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 16.66                       | 16.71                          | 16.68                        | 18.2                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 16.67                       | 16.73                          | 16.75                        | 18.2                   | 0.0         |

## Part27Q n78 Ant7 DSI 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         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 19.79                       | 19.81                          | 19.78                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 19.81                       | 19.86                          | 19.88                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 19.85                       | 19.87                          | 19.89                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 19.85                       | 19.79                          | 19.81                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 19.85                       | 19.86                          | 19.79                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 19.80                       | 19.81                          | 19.84                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 19.77                       | 19.81                          | 19.82                        | 21.5                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 19.77                       | 19.82                          | 19.77                        | 21.5                   | 0.0         |

## Part27Q n78 Ant8 DSI 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 17.61                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 17.53                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 17.52                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 17.57                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 17.57                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 17.54                          |                              | 19.4                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 17.54                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 17.91                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 17.80                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 17.71                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 17.70                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 17.88                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 17.66                          |                              | 19.4                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 17.66                          |                              | 19.4                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 17.69                          |                              | 19.4                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 16.53                          |                              | 18.5                   | 0.9         |
| 100             | 256QAM     | 1       | 1         |                             | 14.68                          |                              | 16.5                   | 2.9         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 17.86                       | 17.84                          | 17.79                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 17.82                       | 17.86                          | 17.84                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 17.78                       | 17.80                          | 17.83                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 17.77                       | 17.84                          | 17.87                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 17.87                       | 17.83                          | 17.77                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 17.82                       | 17.77                          | 17.81                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 17.80                       | 17.78                          | 17.77                        | 19.4                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 17.80                       | 17.84                          | 17.82                        | 19.4                   | 0.0         |

# Reduced Power Mode for DSI7

| n5 Ant0 DSI 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         |            |         |           | 166800              | 167300                 | 167800               | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                 | 836.5                  | 839                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.91               | 23.00                  | 22.92                | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.81               | 22.92                  | 22.83                |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.63               | 22.75                  | 22.60                |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.53               | 22.61                  | 22.56                | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.85               | 22.95                  | 22.91                | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.30               | 22.42                  | 22.33                | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.42               | 22.56                  | 22.51                |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.13               | 23.17                  | 23.09                | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 22.90               | 22.98                  | 22.83                |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.73               | 22.82                  | 22.66                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.05               | 22.11                  | 22.05                | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 22.84               | 22.94                  | 22.88                | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 21.78               | 21.89                  | 21.84                | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 21.94               | 22.00                  | 21.94                |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.94               | 22.10                  | 22.03                | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.06               | 21.18                  | 21.12                | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.92               | 18.98                  | 18.87                | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300              | 167300                 | 168300               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5               | 836.5                  | 841.5                | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 23.00               | 23.10                  | 23.04                | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800              | 167300                 | 168800               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                 | 836.5                  | 844                  | 24.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 23.08               | 23.07                  | 23.00                | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165300              | 167300                 | 169300               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5               | 836.5                  | 846.5                | 24.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 23.02               | 23.02                  | 23.03                | 24.0                | 0.0      |  |

| n26 Ant0 DSI 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         |            |         |           | 164800                | 166300                   | 167800                 |                     |          |          |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |          |
| 20              | PI/2 BPSK  | 1       | 1         | 22.90                 | 23.00                    | 22.91                  | 24.0                |          | 0.0      |
| 20              | PI/2 BPSK  | 1       | 53        | 22.80                 | 22.92                    | 22.80                  |                     |          |          |
| 20              | PI/2 BPSK  | 1       | 104       | 22.74                 | 22.84                    | 22.79                  |                     |          |          |
| 20              | PI/2 BPSK  | 50      | 0         | 22.49                 | 22.65                    | 22.57                  | 23.5                |          | 0.5      |
| 20              | PI/2 BPSK  | 50      | 28        | 22.86                 | 22.94                    | 22.79                  | 24.0                |          | 0.0      |
| 20              | PI/2 BPSK  | 50      | 56        | 22.37                 | 22.49                    | 22.35                  | 23.5                |          | 0.5      |
| 20              | PI/2 BPSK  | 100     | 0         | 22.47                 | 22.60                    | 22.52                  |                     |          |          |
| 20              | QPSK       | 1       | 1         | 22.96                 | 23.03                    | 22.92                  | 24.0                |          | 0.0      |
| 20              | QPSK       | 1       | 53        | 22.86                 | 22.95                    | 22.85                  |                     |          |          |
| 20              | QPSK       | 1       | 104       | 22.78                 | 22.89                    | 22.85                  |                     |          |          |
| 20              | QPSK       | 50      | 0         | 22.00                 | 22.10                    | 21.96                  | 23.0                |          | 1.0      |
| 20              | QPSK       | 50      | 28        | 22.85                 | 22.98                    | 22.90                  | 24.0                |          | 0.0      |
| 20              | QPSK       | 50      | 56        | 21.86                 | 21.97                    | 21.86                  | 23.0                |          | 1.0      |
| 20              | QPSK       | 100     | 0         | 21.93                 | 22.07                    | 21.92                  |                     |          |          |
| 20              | 16QAM      | 1       | 1         | 22.17                 | 22.23                    | 22.19                  | 23.0                |          | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.50                 | 20.60                    | 20.45                  | 21.5                |          | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.50                 | 18.57                    | 18.52                  | 19.5                |          | 4.5      |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | Tune-up limit (dBm) |          | MPR (dB) |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  | 24.0                |          | 0.0      |
| 15              | QPSK       | 1       | 1         | 22.86                 | 22.94                    | 22.79                  | 24.0                |          | 0.0      |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) |          | MPR (dB) |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    | 24.0                |          | 0.0      |
| 10              | QPSK       | 1       | 1         | 22.89                 | 22.95                    | 22.84                  | 24.0                |          | 0.0      |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) |          | MPR (dB) |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  | 24.0                |          | 0.0      |
| 5               | QPSK       | 1       | 1         | 22.84                 | 22.97                    | 22.81                  | 24.0                |          | 0.0      |



| n2 Ant1 DSI 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         |            |         |           | 372000              | 376000                 | 380000               | 21.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                | 1880                   | 1900                 |                     |          |  |
| 20              | PI2 BPSK   | 1       | 1         | 19.35               | 19.54                  | 19.44                |                     |          |  |
| 20              | PI2 BPSK   | 1       | 53        | 19.35               | 19.41                  | 19.34                |                     |          |  |
| 20              | PI2 BPSK   | 1       | 104       | 19.33               | 19.49                  | 19.35                | 21.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 0         | 19.36               | 19.48                  | 19.32                | 21.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 28        | 19.32               | 19.43                  | 19.39                | 21.0                | 0.0      |  |
| 20              | PI2 BPSK   | 50      | 58        | 19.24               | 19.42                  | 19.26                | 21.0                | 0.0      |  |
| 20              | PI2 BPSK   | 100     | 0         | 19.31               | 19.38                  | 19.30                | 21.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 19.82               | 19.85                  | 19.66                |                     |          |  |
| 20              | QPSK       | 1       | 53        | 19.56               | 19.72                  | 19.68                |                     |          |  |
| 20              | QPSK       | 1       | 104       | 19.58               | 19.64                  | 19.48                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 19.58               | 19.61                  | 19.61                | 21.0                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 19.71               | 19.84                  | 19.66                | 21.0                | 0.0      |  |
| 20              | QPSK       | 50      | 58        | 19.50               | 19.52                  | 19.53                | 21.0                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 19.54               | 19.59                  | 19.37                | 21.0                | 0.0      |  |
| 20              | 16QAM      | 1       | 1         | 19.51               | 19.57                  | 19.56                |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 19.48               | 19.51                  | 19.42                |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.20               | 18.30                  | 18.25                |                     |          |  |
| Channel         |            |         |           | 371500              | 376000                 | 380500               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5              | 1880                   | 1902.5               | 21.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 19.53               | 19.49                  | 19.47                |                     |          |  |
| Channel         |            |         |           | 371000              | 376000                 | 381000               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1865                | 1880                   | 1905                 | 21.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 19.50               | 19.49                  | 19.50                |                     |          |  |
| Channel         |            |         |           | 375500              | 376000                 | 381500               | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5              | 1880                   | 1907.5               | 21.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 19.44               | 19.58                  | 19.46                |                     |          |  |

| n7 Ant1 DSI 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         |            |         |           | 504000                | 507000                   | 510000                 | 20.7                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 19.31                 | 19.48                    | 19.40                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 19.32                 | 19.50                    | 19.25                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 19.33                 | 19.39                    | 19.32                  | 20.7                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 19.28                 | 19.40                    | 19.30                  | 20.7                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 54        | 19.32                 | 19.45                    | 19.32                  | 20.7                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 108       | 19.29                 | 19.34                    | 19.27                  | 20.7                | 0.0      |  |
| 40              | PI2 BPSK   | 216     | 0         | 19.27                 | 19.35                    | 19.26                  | 20.7                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 19.74                 | 19.78                    | 19.65                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 19.54                 | 19.68                    | 19.65                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 19.49                 | 19.58                    | 19.55                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 19.46                 | 19.65                    | 19.52                  | 20.7                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 19.64                 | 19.77                    | 19.59                  | 20.7                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 19.43                 | 19.57                    | 19.46                  | 20.7                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 19.42                 | 19.60                    | 19.31                  | 20.7                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 19.50                 | 19.65                    | 19.59                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 19.44                 | 19.52                    | 19.47                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.17                 | 18.25                    | 18.13                  |                     |          |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 20.7                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 19.49                 | 19.48                    | 19.48                  |                     |          |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 20.7                | 0.0      |  |
| 25              | QPSK       | 1       | 1         | 19.51                 | 19.47                    | 19.43                  |                     |          |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 20.7                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 19.44                 | 19.51                    | 19.42                  |                     |          |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 20.7                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 19.51                 | 19.50                    | 19.49                  |                     |          |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 20.7                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 19.49                 | 19.55                    | 19.47                  |                     |          |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 20.7                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 19.50                 | 19.53                    | 19.50                  |                     |          |  |

| n66 Ant1 DSI 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         |            |         |           | 346000                | 348000                   | 350000                 | 20.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI2 BPSK   | 1       | 1         | 18.53                 | 18.69                    | 18.53                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 108       | 18.46                 | 18.52                    | 18.35                  |                     |          |  |
| 40              | PI2 BPSK   | 1       | 214       | 18.46                 | 18.48                    | 18.45                  | 20.0                | 0.0      |  |
| 40              | PI2 BPSK   | 108     | 0         | 18.45                 | 18.58                    | 18.50                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 54        | 18.44                 | 18.58                    | 18.50                  |                     |          |  |
| 40              | PI2 BPSK   | 108     | 108       | 18.37                 | 18.51                    | 18.32                  |                     |          |  |
| 40              | PI2 BPSK   | 216     | 0         | 18.39                 | 18.51                    | 18.38                  | 20.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 18.84                 | 18.96                    | 18.80                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 18.85                 | 18.81                    | 18.79                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 18.61                 | 18.73                    | 18.60                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 18.68                 | 18.67                    | 18.69                  | 20.0                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 18.79                 | 18.92                    | 18.76                  | 20.0                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 18.62                 | 18.68                    | 18.61                  | 20.0                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 18.57                 | 18.71                    | 18.49                  | 20.0                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 18.80                 | 18.74                    | 18.66                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 18.62                 | 18.69                    | 18.58                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 18.42                 | 18.50                    | 18.41                  |                     |          |  |
| Channel         |            |         |           | 345000                | 348000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   | 20.0                | 0.0      |  |
| 30              | QPSK       | 1       | 1         | 18.60                 | 18.67                    | 18.63                  |                     |          |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | 20.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 18.58                 | 18.66                    | 18.53                  |                     |          |  |
| Channel         |            |         |           | 343500                | 348000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 20.0                | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 18.54                 | 18.62                    | 18.53                  |                     |          |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 20.0                | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 18.61                 | 18.64                    | 18.62                  |                     |          |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 | 20.0                | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 18.54                 | 18.65                    | 18.55                  |                     |          |  |

| n38 Ant1 DSI 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         |            |         |           | 518004                | 519000                   | 519996                 | 21.5                | 0.0      |     |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.19                 | 20.28                    | 20.15                  |                     |          |     |
| 40              | PI/2 BPSK  | 1       | 53        | 20.07                 | 20.17                    | 20.05                  | 21.5                | 0.0      |     |
| 40              | PI/2 BPSK  | 1       | 104       | 20.08                 | 20.19                    | 20.10                  |                     |          |     |
| 40              | PI/2 BPSK  | 50      | 0         | 19.97                 | 20.07                    | 20.02                  |                     |          |     |
| 40              | PI/2 BPSK  | 50      | 28        | 19.96                 | 20.18                    | 19.97                  | 21.5                | 0.0      |     |
| 40              | PI/2 BPSK  | 50      | 56        | 19.90                 | 20.14                    | 19.96                  |                     |          |     |
| 40              | PI/2 BPSK  | 100     | 0         | 20.01                 | 19.99                    | 20.07                  |                     |          |     |
| 40              | QPSK       | 1       | 1         | 20.44                 | 20.47                    | 20.42                  | 21.5                | 0.0      |     |
| 40              | QPSK       | 1       | 53        | 20.26                 | 20.31                    | 20.32                  |                     |          |     |
| 40              | QPSK       | 1       | 104       | 20.23                 | 20.27                    | 20.16                  |                     |          |     |
| 40              | QPSK       | 50      | 0         | 20.27                 | 20.29                    | 20.22                  | 21.5                | 0.0      |     |
| 40              | QPSK       | 50      | 28        | 20.35                 | 20.48                    | 20.33                  |                     |          |     |
| 40              | QPSK       | 50      | 56        | 20.18                 | 20.27                    | 20.17                  |                     |          |     |
| 40              | QPSK       | 100     | 0         | 20.19                 | 20.28                    | 20.18                  | 21.5                | 0.0      |     |
| 40              | 16QAM      | 1       | 1         | 20.17                 | 20.29                    | 20.30                  |                     |          |     |
| 40              | 64QAM      | 1       | 1         | 20.41                 | 20.41                    | 20.45                  |                     |          |     |
| 40              | 256QAM     | 1       | 1         | 18.61                 | 18.70                    | 18.66                  | 19.5                |          | 2.0 |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                | 21.5                | 0.0      |     |
| 30              | QPSK       | 1       | 1         | 20.14                 | 20.22                    | 20.09                  |                     |          |     |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   | 21.5                | 0.0      |     |
| 20              | QPSK       | 1       | 1         | 20.03                 | 20.16                    | 19.99                  |                     |          |     |

| n41 Ant1 DSI 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         |            |         |           | 509202                | 518598                   | 528000                 | 21.5                | 0.0      |     |
| Frequency (MHz) |            |         |           | 2544.01               | 2592.99                  | 2640                   |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 1         | 20.14                 | 20.23                    | 20.13                  |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.07                 | 20.18                    | 20.05                  | 21.5                | 0.0      |     |
| 100             | PI/2 BPSK  | 1       | 271       | 20.03                 | 20.18                    | 20.08                  |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 0         | 19.97                 | 20.12                    | 20.02                  |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 69        | 19.97                 | 20.19                    | 20.03                  | 21.5                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 138       | 19.90                 | 20.15                    | 19.95                  |                     |          |     |
| 100             | PI/2 BPSK  | 270     | 0         | 20.04                 | 20.04                    | 20.03                  |                     |          |     |
| 100             | QPSK       | 1       | 1         | 20.47                 | 20.50                    | 20.44                  | 21.5                | 0.0      |     |
| 100             | QPSK       | 1       | 137       | 20.27                 | 20.34                    | 20.33                  |                     |          |     |
| 100             | QPSK       | 1       | 271       | 20.22                 | 20.28                    | 20.21                  |                     |          |     |
| 100             | QPSK       | 135     | 0         | 20.27                 | 20.31                    | 20.24                  | 21.5                | 0.0      |     |
| 100             | QPSK       | 135     | 69        | 20.37                 | 20.51                    | 20.36                  |                     |          |     |
| 100             | QPSK       | 135     | 138       | 20.16                 | 20.25                    | 20.13                  |                     |          |     |
| 100             | QPSK       | 270     | 0         | 20.19                 | 20.28                    | 20.13                  | 21.5                | 0.0      |     |
| 100             | 16QAM      | 1       | 1         | 20.18                 | 20.30                    | 20.29                  |                     |          |     |
| 100             | 64QAM      | 1       | 1         | 20.26                 | 20.41                    | 20.35                  |                     |          |     |
| 100             | 256QAM     | 1       | 1         | 18.28                 | 18.36                    | 18.25                  | 19.5                |          | 2.0 |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                | 21.5                | 0.0      |     |
| 90              | QPSK       | 1       | 1         | 20.18                 | 20.34                    | 20.21                  |                     |          |     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                | 21.5                | 0.0      |     |
| 80              | QPSK       | 1       | 1         | 20.28                 | 20.30                    | 20.24                  |                     |          |     |
| Channel         |            |         |           | 506202                | 518598                   | 531000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2531.01               | 2592.99                  | 2655                   | 21.5                | 0.0      |     |
| 70              | QPSK       | 1       | 1         | 20.20                 | 20.29                    | 20.29                  |                     |          |     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                | 21.5                | 0.0      |     |
| 60              | QPSK       | 1       | 1         | 20.20                 | 20.34                    | 20.31                  |                     |          |     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                | 21.5                | 0.0      |     |
| 50              | QPSK       | 1       | 1         | 20.27                 | 20.35                    | 20.29                  |                     |          |     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   | 21.5                | 0.0      |     |
| 40              | QPSK       | 1       | 1         | 20.28                 | 20.34                    | 20.29                  |                     |          |     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                | 21.5                | 0.0      |     |
| 30              | QPSK       | 1       | 1         | 20.21                 | 20.33                    | 20.31                  |                     |          |     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                | 21.5                | 0.0      |     |
| 20              | QPSK       | 1       | 1         | 20.26                 | 20.27                    | 20.26                  |                     |          |     |



| n2 Ant4 DSI 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         |            |         |           | 372000               | 376000                  | 380000                | 16.3                | 0.0      |      |
| Frequency (MHz) |            |         |           | 1860                 | 1880                    | 1900                  |                     |          |      |
| 20              | PI2 BPSK   | 1       | 1         | 14.94                | 15.17                   | 15.07                 |                     |          |      |
| 20              | PI2 BPSK   | 1       | 53        | 14.93                | 15.05                   | 14.96                 |                     |          |      |
| 20              | PI2 BPSK   | 1       | 104       | 14.96                | 15.09                   | 14.93                 | 16.3                | 0.0      |      |
| 20              | PI2 BPSK   | 50      | 0         | 14.94                | 15.02                   | 14.91                 |                     |          |      |
| 20              | PI2 BPSK   | 50      | 28        | 14.87                | 15.10                   | 14.91                 |                     |          |      |
| 20              | PI2 BPSK   | 50      | 58        | 14.92                | 15.00                   | 14.85                 |                     |          |      |
| 20              | PI2 BPSK   | 100     | 0         | 14.85                | 15.02                   | 14.88                 | 16.3                | 0.0      |      |
| 20              | QPSK       | 1       | 1         | 15.40                | 15.48                   | 15.26                 |                     |          |      |
| 20              | QPSK       | 1       | 53        | 15.15                | 15.29                   | 15.19                 |                     |          |      |
| 20              | QPSK       | 1       | 104       | 15.20                | 15.21                   | 15.13                 |                     |          |      |
| 20              | QPSK       | 50      | 0         | 15.18                | 15.19                   | 15.13                 | 16.3                | 0.0      |      |
| 20              | QPSK       | 50      | 28        | 15.26                | 15.44                   | 15.25                 |                     |          |      |
| 20              | QPSK       | 50      | 58        | 15.07                | 15.08                   | 15.10                 |                     |          |      |
| 20              | QPSK       | 100     | 0         | 15.11                | 15.22                   | 14.93                 |                     |          |      |
| 20              | 16QAM      | 1       | 1         | 15.18                | 15.24                   | 15.14                 | 16.3                | 0.0      |      |
| 20              | 64QAM      | 1       | 1         | 15.11                | 15.09                   | 15.03                 |                     |          |      |
| 20              | 256QAM     | 1       | 1         | 15.06                | 15.18                   | 15.06                 |                     |          |      |
| Channel         |            |         |           | 371500               | 376000                  | 380500                | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 1857.5               | 1880                    | 1902.5                | 16.3                | 0.0      |      |
| 15              | QPSK       | 1       | 1         | 15.13                | 15.13                   | 15.03                 |                     |          |      |
| Channel         |            |         |           | 371000               | 376000                  | 381000                | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 1905                 | 1900                    | 1905                  | 16.3                | 0.0      |      |
| 10              | QPSK       | 1       | 1         | 15.06                | 15.13                   | 15.02                 |                     |          |      |
| Channel         |            |         |           | 375500               | 376000                  | 381500                | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 1852.5               | 1880                    | 1907.5                | 16.3                | 0.0      |      |
| 5               | QPSK       | 1       | 1         | 15.08                | 15.12                   | 15.05                 |                     |          |      |

| n5 Ant4 DSI 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         |            |         |           | 166800                | 167300                   | 167800                 | 21.2                | 0.0      |      |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |      |
| 20              | PI2 BPSK   | 1       | 1         | 19.59                 | 19.80                    | 19.54                  |                     |          |      |
| 20              | PI2 BPSK   | 1       | 53        | 19.54                 | 19.69                    | 19.52                  |                     |          |      |
| 20              | PI2 BPSK   | 1       | 104       | 19.61                 | 19.68                    | 19.63                  | 21.2                | 0.0      |      |
| 20              | PI2 BPSK   | 50      | 0         | 19.47                 | 19.56                    | 19.48                  |                     |          |      |
| 20              | PI2 BPSK   | 50      | 28        | 19.48                 | 19.65                    | 19.56                  |                     |          |      |
| 20              | PI2 BPSK   | 50      | 58        | 19.44                 | 19.64                    | 19.44                  |                     |          |      |
| 20              | PI2 BPSK   | 100     | 0         | 19.49                 | 19.64                    | 19.41                  | 21.2                | 0.0      |      |
| 20              | QPSK       | 1       | 1         | 20.00                 | 20.07                    | 19.98                  |                     |          |      |
| 20              | QPSK       | 1       | 53        | 19.85                 | 19.87                    | 19.90                  |                     |          |      |
| 20              | QPSK       | 1       | 104       | 19.68                 | 19.71                    | 19.67                  |                     |          |      |
| 20              | QPSK       | 50      | 0         | 19.84                 | 19.86                    | 19.79                  | 21.2                | 0.0      |      |
| 20              | QPSK       | 50      | 28        | 19.84                 | 19.98                    | 19.81                  |                     |          |      |
| 20              | QPSK       | 50      | 58        | 19.85                 | 19.70                    | 19.67                  |                     |          |      |
| 20              | QPSK       | 100     | 0         | 19.75                 | 19.79                    | 19.64                  |                     |          |      |
| 20              | 16QAM      | 1       | 1         | 19.77                 | 19.83                    | 19.76                  | 21.2                | 0.0      |      |
| 20              | 64QAM      | 1       | 1         | 19.93                 | 20.03                    | 19.91                  |                     |          |      |
| 20              | 256QAM     | 1       | 1         | 18.32                 | 18.47                    | 18.36                  |                     |          |      |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | 21.2                | 0.0      |      |
| 15              | QPSK       | 1       | 1         | 19.78                 | 19.78                    | 19.66                  |                     |          |      |
| Channel         |            |         |           | 166800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 820                   | 826.5                    | 844                    | 21.2                | 0.0      |      |
| 10              | QPSK       | 1       | 1         | 19.70                 | 19.80                    | 19.66                  |                     |          |      |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | 21.2                | 0.0      |      |
| 5               | QPSK       | 1       | 1         | 19.68                 | 19.81                    | 19.80                  |                     |          |      |

| n7 Ant4 DSI 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         |            |         |           | 504000                | 507000                   | 510000                 | 17.5                | 0.0      |      |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |      |
| 40              | PI2 BPSK   | 1       | 1         | 15.95                 | 16.12                    | 16.02                  |                     |          |      |
| 40              | PI2 BPSK   | 1       | 108       | 15.90                 | 16.09                    | 15.94                  |                     |          |      |
| 40              | PI2 BPSK   | 1       | 214       | 15.92                 | 16.00                    | 15.91                  | 17.5                | 0.0      |      |
| 40              | PI2 BPSK   | 108     | 0         | 15.89                 | 16.12                    | 15.96                  |                     |          |      |
| 40              | PI2 BPSK   | 108     | 54        | 15.93                 | 16.02                    | 15.95                  |                     |          |      |
| 40              | PI2 BPSK   | 108     | 108       | 15.82                 | 15.96                    | 15.80                  |                     |          |      |
| 40              | PI2 BPSK   | 216     | 0         | 15.94                 | 16.01                    | 15.85                  | 17.5                | 0.0      |      |
| 40              | QPSK       | 1       | 1         | 16.37                 | 16.51                    | 16.28                  |                     |          |      |
| 40              | QPSK       | 1       | 108       | 16.23                 | 16.30                    | 16.27                  |                     |          |      |
| 40              | QPSK       | 1       | 214       | 16.11                 | 16.21                    | 16.11                  |                     |          |      |
| 40              | QPSK       | 108     | 0         | 16.11                 | 16.22                    | 16.13                  | 17.5                | 0.0      |      |
| 40              | QPSK       | 108     | 54        | 16.30                 | 16.35                    | 16.23                  |                     |          |      |
| 40              | QPSK       | 108     | 108       | 16.09                 | 16.09                    | 16.03                  |                     |          |      |
| 40              | QPSK       | 216     | 0         | 16.04                 | 16.17                    | 15.93                  |                     |          |      |
| 40              | 16QAM      | 1       | 1         | 16.11                 | 16.28                    | 16.14                  | 17.5                | 0.0      |      |
| 40              | 64QAM      | 1       | 1         | 16.11                 | 16.15                    | 16.09                  |                     |          |      |
| 40              | 256QAM     | 1       | 1         | 16.16                 | 16.18                    | 16.02                  |                     |          |      |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   | 17.5                | 0.0      |      |
| 30              | QPSK       | 1       | 1         | 16.19                 | 16.27                    | 16.20                  |                     |          |      |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 | 17.5                | 0.0      |      |
| 25              | QPSK       | 1       | 1         | 16.14                 | 16.20                    | 16.18                  |                     |          |      |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   | 17.5                | 0.0      |      |
| 20              | QPSK       | 1       | 1         | 16.17                 | 16.22                    | 16.12                  |                     |          |      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | 17.5                | 0.0      |      |
| 15              | QPSK       | 1       | 1         | 16.14                 | 16.21                    | 16.15                  |                     |          |      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | 17.5                | 0.0      |      |
| 10              | QPSK       | 1       | 1         | 16.19                 | 16.26                    | 16.23                  |                     |          |      |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) | MPR      | (dB) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | 17.5                | 0.0      |      |
| 5               | QPSK       | 1       | 1         | 16.18                 | 16.19                    | 16.23                  |                     |          |      |

| n26 Ant4 DSI 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         |            |         |           | 164800                | 166300                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | Pl/2 BPSK  | 1       | 1         | 19.65                 | 19.87                    | 19.66                  |                     |          |  |
| 20              | Pl/2 BPSK  | 1       | 53        | 19.59                 | 19.75                    | 19.57                  | 21.2                | 0.0      |  |
| 20              | Pl/2 BPSK  | 1       | 104       | 19.67                 | 19.76                    | 19.70                  |                     |          |  |
| 20              | Pl/2 BPSK  | 50      | 0         | 19.58                 | 19.72                    | 19.62                  | 21.2                | 0.0      |  |
| 20              | Pl/2 BPSK  | 50      | 28        | 19.56                 | 19.74                    | 19.68                  | 21.2                | 0.0      |  |
| 20              | Pl/2 BPSK  | 50      | 56        | 19.58                 | 19.74                    | 19.57                  | 21.2                | 0.0      |  |
| 20              | Pl/2 BPSK  | 100     | 0         | 19.63                 | 19.69                    | 19.54                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 20.12                 | 20.16                    | 19.95                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 19.91                 | 19.96                    | 19.98                  | 21.2                | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 19.83                 | 19.85                    | 19.81                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 19.88                 | 19.88                    | 19.85                  | 21.2                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 19.95                 | 20.13                    | 19.92                  | 21.2                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 19.74                 | 19.81                    | 19.77                  | 21.2                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 19.83                 | 19.88                    | 19.74                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 19.83                 | 19.96                    | 19.85                  | 21.2                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.79                 | 19.78                    | 19.79                  | 21.2                | 0.0      |  |
| 20              | 256QAM     | 1       | 1         | 18.38                 | 18.48                    | 18.39                  | 19.5                | 1.7      |  |
| Channel         |            |         |           | 124300                | 163300                   | 163300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 19.79                 | 19.82                    | 19.81                  | 21.2                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 815                   | 831.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 19.75                 | 19.87                    | 19.77                  | 21.2                | 0.0      |  |
| Channel         |            |         |           | 161300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 19.74                 | 19.82                    | 19.81                  | 21.2                | 0.0      |  |

| n66 Ant4 DSI 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         |            |         |           | 346000                | 349000                   | 352000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | Pl/2 BPSK  | 1       | 1         | 14.14                 | 14.20                    | 14.16                  |                     |          |  |
| 40              | Pl/2 BPSK  | 1       | 108       | 14.00                 | 14.12                    | 13.97                  | 15.3                | 0.0      |  |
| 40              | Pl/2 BPSK  | 1       | 214       | 14.07                 | 14.14                    | 14.04                  |                     |          |  |
| 40              | Pl/2 BPSK  | 108     | 0         | 13.98                 | 14.16                    | 14.11                  | 15.3                | 0.0      |  |
| 40              | Pl/2 BPSK  | 108     | 54        | 14.01                 | 14.17                    | 14.09                  | 15.3                | 0.0      |  |
| 40              | Pl/2 BPSK  | 108     | 108       | 13.97                 | 14.15                    | 13.99                  | 15.3                | 0.0      |  |
| 40              | Pl/2 BPSK  | 216     | 0         | 13.99                 | 14.12                    | 14.02                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 14.47                 | 14.63                    | 14.45                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 14.34                 | 14.38                    | 14.28                  | 15.3                | 0.0      |  |
| 40              | QPSK       | 1       | 214       | 14.27                 | 14.26                    | 14.27                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 14.26                 | 14.34                    | 14.32                  | 15.3                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 14.36                 | 14.47                    | 14.33                  | 15.3                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 14.24                 | 14.29                    | 14.14                  | 15.3                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 14.16                 | 14.23                    | 14.13                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 14.28                 | 14.28                    | 14.29                  | 15.3                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 14.18                 | 14.18                    | 14.21                  | 15.3                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 14.21                 | 14.23                    | 14.18                  | 15.3                | 0.0      |  |
| Channel         |            |         |           | 345300                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1728                  | 1745                     | 1765                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 14.17                 | 14.26                    | 14.17                  | 15.3                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 14.26                 | 14.29                    | 14.14                  | 15.3                | 0.0      |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 14.23                 | 14.25                    | 14.18                  | 15.3                | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 14.24                 | 14.24                    | 14.14                  | 15.3                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 14.16                 | 14.26                    | 14.20                  | 15.3                | 0.0      |  |

## Part27Q n78 Ant3 DSI 7

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 11.87                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 11.73                          |                              | 13.4                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 11.80                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 11.76                          |                              | 13.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 11.78                          |                              | 13.4                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 11.66                          |                              | 13.4                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 11.67                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 12.16                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 12.01                          |                              | 13.4                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 11.96                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 11.93                          |                              | 13.4                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 12.08                          |                              | 13.4                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 11.80                          |                              | 13.4                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 11.85                          |                              | 13.4                   | 0.0         |
| 100             | 16QAM      | 1       | 1         |                             | 11.93                          |                              | 13.4                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 11.82                          |                              | 13.4                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 11.90                          |                              | 13.4                   | 0.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 12.03                       | 12.12                          | 12.09                        | 13.4                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 12.02                       | 12.07                          | 12.06                        | 13.4                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 12.10                       | 12.02                          | 12.05                        | 13.4                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 12.05                       | 12.07                          | 12.01                        | 13.4                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 12.11                       | 12.07                          | 12.10                        | 13.4                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 12.04                       | 12.01                          | 12.07                        | 13.4                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 12.09                       | 12.07                          | 12.01                        | 13.4                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 12.05                       | 12.04                          | 12.03                        | 13.4                   | 0.0         |

## Part27Q n78 Ant5 DSI 7

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 10.58                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 10.61                          |                              | 12.5                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 10.56                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 10.61                          |                              | 12.5                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 10.59                          |                              | 12.5                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 10.54                          |                              | 12.5                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 10.53                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 10.99                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 10.73                          |                              | 12.5                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 10.67                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 10.68                          |                              | 12.5                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 10.95                          |                              | 12.5                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 10.62                          |                              | 12.5                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 10.66                          |                              |                        |             |
| 100             | 16QAM      | 1       | 1         |                             | 10.75                          |                              | 12.5                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 10.65                          |                              | 12.5                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 10.60                          |                              | 12.5                   | 0.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 10.86                       | 10.86                          | 10.83                        | 12.5                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 10.91                       | 10.93                          | 10.95                        | 12.5                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 10.83                       | 10.84                          | 10.95                        | 12.5                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 10.87                       | 10.86                          | 10.87                        | 12.5                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 10.86                       | 10.89                          | 10.86                        | 12.5                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 10.87                       | 10.93                          | 10.83                        | 12.5                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 10.92                       | 10.91                          | 10.87                        | 12.5                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 10.91                       | 10.93                          | 10.83                        | 12.5                   | 0.0         |

## Part27Q n78 Ant7 DSI 7

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 14.68                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 14.51                          |                              | 16.1                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 14.51                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 14.54                          |                              | 16.1                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 14.58                          |                              | 16.1                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 14.48                          |                              | 16.1                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 14.50                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 14.98                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 14.84                          |                              | 16.1                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 14.74                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 14.76                          |                              | 16.1                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 14.89                          |                              | 16.1                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 14.62                          |                              | 16.1                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 14.70                          |                              |                        |             |
| 100             | 16QAM      | 1       | 1         |                             | 14.72                          |                              | 16.1                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 14.67                          |                              | 16.1                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 14.59                          |                              | 16.1                   | 0.0         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 14.81                       | 14.83                          | 14.77                        | 16.1                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 14.81                       | 14.81                          | 14.76                        | 16.1                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 14.77                       | 14.84                          | 14.81                        | 16.1                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 14.83                       | 14.76                          | 14.81                        | 16.1                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 14.82                       | 14.83                          | 14.86                        | 16.1                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 14.82                       | 14.83                          | 14.78                        | 16.1                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 14.76                       | 14.81                          | 14.78                        | 16.1                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 14.86                       | 14.80                          | 14.76                        | 16.1                   | 0.0         |

## Part27Q n78 Ant8 DSI 7

| 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         |            |         |           |                             | 633332                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 16.67                          |                              |                        |             |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 16.64                          |                              | 17.8                   | 0.0         |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 16.59                          |                              |                        |             |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 16.70                          |                              | 17.8                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 16.64                          |                              | 17.8                   | 0.0         |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 16.64                          |                              | 17.8                   | 0.0         |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 16.62                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 17.10                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 16.85                          |                              | 17.8                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 16.75                          |                              |                        |             |
| 100             | QPSK       | 135     | 0         |                             | 16.85                          |                              | 17.8                   | 0.0         |
| 100             | QPSK       | 135     | 69        |                             | 17.06                          |                              | 17.8                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 16.74                          |                              | 17.8                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 16.74                          |                              |                        |             |
| 100             | 16QAM      | 1       | 1         |                             | 16.82                          |                              | 17.8                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 16.78                          |                              | 17.8                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 16.11                          |                              | 16.5                   | 1.3         |
| Channel         |            |         |           | 633000                      | 633332                         | 633668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3505.02                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 17.00                       | 17.04                          | 17.03                        | 17.8                   | 0.0         |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 17.02                       | 16.94                          | 16.95                        | 17.8                   | 0.0         |
| Channel         |            |         |           | 632334                      | 633332                         | 634334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3515.01                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 17.00                       | 17.01                          | 16.99                        | 17.8                   | 0.0         |
| Channel         |            |         |           | 632000                      | 633332                         | 634668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3520.02                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 16.95                       | 17.03                          | 16.97                        | 17.8                   | 0.0         |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 17.03                       | 17.00                          | 16.97                        | 17.8                   | 0.0         |
| Channel         |            |         |           | 631334                      | 633332                         | 635334                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3530.01                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 16.98                       | 16.95                          | 17.05                        | 17.8                   | 0.0         |
| Channel         |            |         |           | 631000                      | 633332                         | 635668                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3535.02                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 16.96                       | 17.01                          | 17.03                        | 17.8                   | 0.0         |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 16.99                       | 17.04                          | 16.95                        | 17.8                   | 0.0         |



| 2.4GHz WLAN |                   |         |                 | Ant 6 Full power&Body-worn Standalone<br>Extremity Standalone<br>Extremity Simultaneous |               | Ant 6 Head Standalone |               | Ant 6 Head Simultaneous |               | Ant 6 Body-worn Simultaneous |               | Ant 6 Hotspot Simultaneous |               | Duty Cycle % |
|-------------|-------------------|---------|-----------------|-----------------------------------------------------------------------------------------|---------------|-----------------------|---------------|-------------------------|---------------|------------------------------|---------------|----------------------------|---------------|--------------|
|             | Mode              | Channel | Frequency (MHz) | Average power (dBm)                                                                     | Tune-Up Limit | Average power (dBm)   | Tune-Up Limit | Average power (dBm)     | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit | Average power (dBm)        | Tune-Up Limit |              |
| 2.4GHz WLAN | 802.11b 1Mbps     | 1       | 2412            | 18.75                                                                                   | 20.00         | 18.27                 | 19.50         | 12.82                   | 14.00         | 14.73                        | 16.00         | 16.79                      | 18.00         | 98.65        |
|             |                   | 6       | 2437            | 18.42                                                                                   | 20.00         | 18.25                 | 19.50         | 12.79                   | 14.00         | 14.52                        | 16.00         | 16.54                      | 18.00         |              |
|             |                   | 11      | 2462            | 18.74                                                                                   | 20.00         | 18.21                 | 19.50         | 12.75                   | 14.00         | 14.69                        | 16.00         | 16.75                      | 18.00         |              |
|             | 802.11g 6Mbps     | 1       | 2412            | 18.26                                                                                   | 19.50         | 18.26                 | 19.50         |                         | 14.00         |                              | 16.00         |                            | 18.00         | 98.28        |
|             |                   | 6       | 2437            | 18.93                                                                                   | 20.00         | 18.46                 | 19.50         |                         | 14.00         |                              | 16.00         |                            | 18.00         |              |
|             |                   | 11      | 2462            | 19.00                                                                                   | 20.00         | 18.49                 | 19.50         |                         | 14.00         |                              | 16.00         |                            | 18.00         |              |
|             | 802.11n-HT20 MCS0 | 1       | 2412            | 16.66                                                                                   | 18.00         |                       | 18.00         |                         | 14.00         |                              | 16.00         |                            | 18.00         | 98.15        |
|             |                   | 6       | 2437            | 18.36                                                                                   | 20.00         |                       | 19.50         |                         | 14.00         |                              | 16.00         |                            | 18.00         |              |
|             |                   | 11      | 2462            | 18.79                                                                                   | 20.00         |                       | 19.50         |                         | 14.00         |                              | 16.00         |                            | 18.00         |              |
|             | 802.11n-HT40 MCS0 | 3       | 2422            | 14.87                                                                                   | 16.50         |                       | 16.50         |                         | 14.00         |                              | 16.00         |                            | 16.50         | 94.93        |
|             |                   | 6       | 2437            | 17.26                                                                                   | 19.00         |                       | 19.00         |                         | 14.00         |                              | 16.00         |                            | 18.00         |              |
|             |                   | 9       | 2452            | 15.88                                                                                   | 17.50         |                       | 17.50         |                         | 14.00         |                              | 16.00         |                            | 17.50         |              |

| 5.2GHz WLAN |                     |         |                 | Ant 5 Full power    |               | Ant 5 Head Standalone |               | Ant 5 Body worn Standalone |               | Ant 5 Head Simultaneous |               | Ant 5 Body-worn Simultaneous |               | Ant 5 Hotspot Simultaneous |               | Ant 5 Extremity Standalone |               | Ant 5 Extremity Simultaneous |               | Duty Cycle % |
|-------------|---------------------|---------|-----------------|---------------------|---------------|-----------------------|---------------|----------------------------|---------------|-------------------------|---------------|------------------------------|---------------|----------------------------|---------------|----------------------------|---------------|------------------------------|---------------|--------------|
|             | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm)   | Tune-Up Limit | Average power (dBm)        | Tune-Up Limit | Average power (dBm)     | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit | Average power (dBm)        | Tune-Up Limit | Average power (dBm)        | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit |              |
| 5.2GHz WLAN | 802.11a 6Mbps       | 36      | 5180            | 18.23               | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         | 98.28        |
|             |                     | 40      | 5200            | 18.71               | 20.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             |                     | 44      | 5220            | 18.79               | 20.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             |                     | 48      | 5240            | 18.63               | 20.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             | 802.11n-HT20 MCS0   | 36      | 5180            | 18.13               | 19.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         | 98.16        |
|             |                     | 40      | 5200            | 18.59               | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             |                     | 44      | 5220            | 18.59               | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             |                     | 48      | 5240            | 18.48               | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             | 802.11n-HT40 MCS0   | 38      | 5190            | 14.36               | 15.50         | 14.36                 | 15.50         | 14.36                      | 15.50         |                         | 12.00         |                              | 11.00         |                            | 10.00         | 14.36                      | 15.50         |                              | 14.00         | 96.32        |
|             |                     | 46      | 5230            | 17.50               | 19.00         | 15.53                 | 17.00         | 14.55                      | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         | 17.02                      | 18.50         |                              | 14.00         |              |
|             | 802.11ac-VHT20 MCS0 | 36      | 5180            | 18.16               | 19.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         | 98.16        |
|             |                     | 40      | 5200            | 18.64               | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             |                     | 44      | 5220            | 18.63               | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             |                     | 48      | 5240            | 18.51               | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             | 802.11ac-VHT40 MCS0 | 38      | 5190            | 14.41               | 15.50         |                       | 15.50         |                            | 15.50         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 15.50         |                              | 14.00         | 96.32        |
|             |                     | 46      | 5230            | 17.61               | 19.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                            | 10.00         |                            | 18.50         |                              | 14.00         |              |
|             | 802.11ac-VHT20 MCS0 | 42      | 5210            | 13.51               | 15.00         |                       | 15.00         |                            | 15.00         | 10.65                   | 12.00         | 9.67                         | 11.00         | 8.61                       | 10.00         |                            | 15.00         | 12.59                        | 14.00         | 92.24        |

| 5.3GHz WLAN |                     |         |                 | Ant 5 Full power&Extremity Standalone |               | Ant 5 Head Standalone |               | Ant 5 Body worn Standalone |               | Ant 5 Head Simultaneous |               | Ant 5 Body-worn Simultaneous |               | Ant 5 Extremity Simultaneous |               |
|-------------|---------------------|---------|-----------------|---------------------------------------|---------------|-----------------------|---------------|----------------------------|---------------|-------------------------|---------------|------------------------------|---------------|------------------------------|---------------|
|             | Mode                | Channel | Frequency (MHz) | Average power (dBm)                   | Tune-Up Limit | Average power (dBm)   | Tune-Up Limit | Average power (dBm)        | Tune-Up Limit | Average power (dBm)     | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit |
| 5.3GHz WLAN | 802.11a 6Mbps       | 52      | 5260            | 18.75                                 | 20.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 56      | 5280            | 18.80                                 | 20.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 60      | 5300            | 18.95                                 | 20.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 64      | 5320            | 18.90                                 | 20.50         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             | 802.11n-HT20 MCS0   | 52      | 5260            | 18.57                                 | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 56      | 5280            | 18.62                                 | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 60      | 5300            | 18.77                                 | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 64      | 5320            | 18.72                                 | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             | 802.11n-HT40 MCS0   | 54      | 5270            | 17.47                                 | 19.00         | 15.52                 | 17.00         | 14.55                      | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 62      | 5310            | 16.42                                 | 18.00         | 15.46                 | 17.00         | 14.44                      | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             | 802.11ac-VHT20 MCS0 | 52      | 5260            | 18.62                                 | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 56      | 5280            | 18.65                                 | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 60      | 5300            | 18.79                                 | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 64      | 5320            | 18.76                                 | 20.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            | 17.59                                 | 19.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             |                     | 62      | 5310            | 16.52                                 | 18.00         |                       | 17.00         |                            | 16.00         |                         | 12.00         |                              | 11.00         |                              | 15.00         |
|             | 802.11ac-VHT20 MCS0 | 58      | 5290            | 13.43                                 | 15.00         |                       | 15.00         |                            | 15.00         | 10.71                   | 12.00         | 9.72                         | 11.00         | 13.43                        | 15.00         |

| 5.5GHz WLAN         |                     |         |                 |                     | Ant 5 Full power |                     | Ant 5 Head&Extremity Standalone |                     | Ant 5 Body worn Standalone |                     | Ant 5 Head&Extremity Simultaneous |                     | Ant 5 Body-worn Simultaneous |       | Duty Cycle % |
|---------------------|---------------------|---------|-----------------|---------------------|------------------|---------------------|---------------------------------|---------------------|----------------------------|---------------------|-----------------------------------|---------------------|------------------------------|-------|--------------|
|                     | Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit    | Average power (dBm) | Tune-Up Limit                   | Average power (dBm) | Tune-Up Limit              | Average power (dBm) | Tune-Up Limit                     | Average power (dBm) | Tune-Up Limit                |       |              |
| 5.5GHz WLAN         | 802.11a 6Mbps       | 100     | 5500            | 18.89               | 20.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        | 98.28 |              |
|                     |                     | 116     | 5580            | 18.85               | 20.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 124     | 5620            | 18.64               | 20.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 132     | 5660            | 18.71               | 20.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 140     | 5700            | 18.20               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 144     | 5720            | 18.61               | 20.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     | 802.11n-HT20 MCS0   | 100     | 5500            | 18.77               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        | 98.16 |              |
|                     |                     | 116     | 5580            | 18.66               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 124     | 5620            | 18.49               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 132     | 5660            | 18.42               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 140     | 5700            | 18.03               | 19.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 144     | 5720            | 18.45               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     | 802.11n-HT40 MCS0   | 102     | 5510            | 17.71               | 19.50            | 17.71               | 19.50                           | 16.84               | 18.50                      |                     | 14.00                             |                     | 13.00                        | 96.32 |              |
|                     |                     | 110     | 5550            | 17.65               | 19.50            | 17.65               | 19.50                           | 16.69               | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 126     | 5630            | 17.40               | 19.00            | 17.40               | 19.00                           | 16.57               | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 134     | 5670            | 17.49               | 19.00            | 17.49               | 19.00                           | 16.52               | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 142     | 5710            | 17.69               | 19.50            | 17.69               | 19.50                           | 16.77               | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 146     | 5730            | 17.79               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     | 802.11ac-VHT20 MCS0 | 100     | 5500            | 18.79               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        | 98.16 |              |
|                     |                     | 116     | 5580            | 18.71               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 124     | 5620            | 18.55               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 132     | 5660            | 18.47               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 140     | 5700            | 18.06               | 19.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 144     | 5720            | 18.49               | 20.00            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     | 802.11ac-VHT40 MCS0 | 102     | 5510            | 17.78               | 19.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        | 96.32 |              |
|                     |                     | 110     | 5550            | 17.88               | 19.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 126     | 5630            | 17.51               | 19.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 134     | 5670            | 17.58               | 19.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
|                     |                     | 142     | 5710            | 17.76               | 19.50            |                     | 19.50                           |                     | 18.50                      |                     | 14.00                             |                     | 13.00                        |       |              |
| 802.11ac-VHT80 MCS0 | 106                 | 5530    | 16.56           | 18.00               |                  | 18.00               |                                 | 18.00               | 12.52                      | 14.00               | 11.66                             | 13.00               | 92.24                        |       |              |
|                     | 122                 | 5610    | 16.48           | 18.00               |                  | 18.00               |                                 | 18.00               | 12.42                      | 14.00               | 11.56                             | 13.00               |                              |       |              |
|                     | 138                 | 5690    | 16.56           | 18.00               |                  | 18.00               |                                 | 18.00               | 12.49                      | 14.00               | 11.63                             | 13.00               |                              |       |              |

# BT BR/EDR

Ant 6 Full power

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |       | For Head Simultaneous |       |       |
|---------------|---------|-----------------|---------------------|-------|-------|-----------------------|-------|-------|
|               |         |                 | 1Mbps               | 2Mbps | 3Mbps | 1Mbps                 | 2Mbps | 3Mbps |
| BR / EDR      | CH 00   | 2402            | 14.25               | 10.08 | 10.03 | 12.34                 | 8.54  | 8.60  |
|               | CH 39   | 2441            | 14.18               | 9.69  | 9.69  | 12.37                 | 8.00  | 7.93  |
|               | CH 78   | 2480            | 14.55               | 10.27 | 10.45 | 12.65                 | 8.48  | 8.57  |
| Tune-up Limit |         |                 | 16                  | 11.5  | 11.5  | 14.5                  | 10    | 10    |

# BLE\_1M

Ant 6 Full power

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | 11.23               |
|               | CH 19   | 2440            | 10.98               |
|               | CH 39   | 2480            | 10.71               |
| Tune-up Limit |         |                 | 12.5                |

# BLE\_2M

Ant 6 Full power

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | 11.41               |
|               | CH 19   | 2440            | 11.09               |
|               | CH 39   | 2480            | 10.97               |
| Tune-up Limit |         |                 | 12.50               |