

## Full&Default Power Mode

◀GSM▶

| GSM850_Ant.0    | Burst Average Power (dBm) |       |       | Tune-up Limit | Frame Average Power (dBm) |       |       | Tune-up Limit |
|-----------------|---------------------------|-------|-------|---------------|---------------------------|-------|-------|---------------|
|                 | 128                       | 189   | 251   |               | 128                       | 189   | 251   |               |
| TX Channel      | 128                       | 189   | 251   | Limit         | 128                       | 189   | 251   | Limit         |
| Frequency (MHz) | 824.2                     | 836.4 | 848.6 | (dBm)         | 824.2                     | 836.4 | 848.6 | (dBm)         |
| GSM 1 Tx slot   | 31.85                     | 31.99 | 31.80 | 32.50         | 22.85                     | 22.99 | 22.80 | 23.50         |
| GPRS 1 Tx slot  | 31.80                     | 31.96 | 31.76 | 32.50         | 22.80                     | 22.85 | 22.76 | 23.50         |
| GPRS 2 Tx slots | 31.20                     | 31.23 | 31.12 | 32.00         | 25.20                     | 25.23 | 25.12 | 26.00         |
| GPRS 3 Tx slots | 29.13                     | 29.83 | 29.09 | 30.50         | 25.47                     | 25.57 | 25.42 | 26.24         |
| GPRS 4 Tx slots | 28.41                     | 28.61 | 28.47 | 29.00         | 25.41                     | 25.61 | 25.47 | 26.00         |
| EDGE 1 Tx slot  | 28.88                     | 28.98 | 26.91 | 27.50         | 17.88                     | 17.98 | 17.91 | 18.50         |
| EDGE 2 Tx slots | 25.98                     | 25.05 | 25.03 | 26.50         | 19.98                     | 20.05 | 20.03 | 20.50         |
| EDGE 3 Tx slots | 24.35                     | 24.51 | 24.41 | 25.00         | 20.05                     | 20.25 | 20.15 | 20.74         |
| EDGE 4 Tx slots | 23.45                     | 23.43 | 23.40 | 23.60         | 20.45                     | 20.43 | 20.40 | 20.60         |

| GSM1900_Ant.2   | Burst Average Power (dBm) |        |        | Tune-up Limit | Frame Average Power (dBm) |        |        | Tune-up Limit |
|-----------------|---------------------------|--------|--------|---------------|---------------------------|--------|--------|---------------|
|                 | 512                       | 661    | 810    |               | 512                       | 661    | 810    |               |
| TX Channel      | 512                       | 661    | 810    | Limit         | 512                       | 661    | 810    | Limit         |
| Frequency (MHz) | 1824.2                    | 1836.4 | 1848.6 | (dBm)         | 1824.2                    | 1836.4 | 1848.6 | (dBm)         |
| GSM 1 Tx slot   | 29.44                     | 29.59  | 29.40  | 30.00         | 20.44                     | 20.59  | 20.40  | 21.00         |
| GPRS 1 Tx slot  | 29.41                     | 29.57  | 29.36  | 30.00         | 20.41                     | 20.57  | 20.36  | 21.00         |
| GPRS 2 Tx slots | 28.55                     | 28.58  | 26.77  | 29.50         | 20.35                     | 20.38  | 22.77  | 23.50         |
| GPRS 3 Tx slots | 26.69                     | 26.70  | 26.61  | 27.50         | 22.40                     | 22.44  | 22.35  | 23.24         |
| GPRS 4 Tx slots | 25.41                     | 25.51  | 25.35  | 26.50         | 22.41                     | 22.51  | 22.35  | 23.50         |
| EDGE 1 Tx slot  | 25.71                     | 25.71  | 25.61  | 26.00         | 18.71                     | 18.71  | 18.61  | 17.80         |
| EDGE 2 Tx slots | 24.55                     | 24.76  | 24.74  | 26.00         | 18.55                     | 18.78  | 18.74  | 20.00         |
| EDGE 3 Tx slots | 22.67                     | 23.01  | 22.87  | 24.00         | 18.71                     | 18.75  | 18.61  | 19.74         |
| EDGE 4 Tx slots | 21.58                     | 22.04  | 22.01  | 23.00         | 18.98                     | 19.04  | 19.01  | 20.00         |

◀WCDMA▶

| Band            | WCDMA X_Ant.2 |       |        | Tune-up Limit | WCDMA IV_Ant.2 |        |        | Tune-up Limit | WCDMA V_Ant.0 |       |       | Tune-up Limit |
|-----------------|---------------|-------|--------|---------------|----------------|--------|--------|---------------|---------------|-------|-------|---------------|
|                 | 9262          | 9400  | 9538   |               | 1312           | 1413   | 1513   |               | 4132          | 4182  | 4233  |               |
| TX Channel      | 9262          | 9400  | 9538   | Limit         | 1312           | 1413   | 1513   | Limit         | 4357          | 4407  | 4456  | Limit         |
| Frequency (MHz) | 1824.2        | 1880  | 1937.6 | (dBm)         | 1712.4         | 1732.4 | 1752.6 | (dBm)         | 826.4         | 836.4 | 846.6 | (dBm)         |
| SCPP Rel 99     | 23.29         | 22.90 | 23.32  | 24.00         | 23.50          | 23.55  | 23.52  | 24.50         | 23.00         | 23.05 | 23.01 | 23.50         |
| SCPP Rel 99     | 23.21         | 22.91 | 23.35  | 24.00         | 23.52          | 23.57  | 23.56  | 24.50         | 23.05         | 23.10 | 23.04 | 23.50         |
| SCPP Rel 6      | 22.03         | 21.82 | 22.26  | 23.00         | 22.47          | 22.68  | 22.54  | 23.00         | 22.00         | 22.19 | 21.99 | 23.00         |
| SCPP Rel 6      | 22.06         | 21.83 | 22.29  | 23.00         | 22.48          | 22.53  | 22.55  | 23.00         | 22.00         | 22.25 | 22.02 | 22.50         |
| SCPP Rel 6      | 21.57         | 21.37 | 21.85  | 22.50         | 22.04          | 22.15  | 22.11  | 22.50         | 21.55         | 21.80 | 21.59 | 22.00         |
| SCPP Rel 6      | 21.57         | 21.35 | 21.82  | 22.50         | 21.97          | 22.08  | 22.09  | 22.50         | 21.55         | 21.79 | 21.51 | 22.00         |
| SCPP Rel 6      | 22.00         | 21.80 | 22.23  | 23.00         | 22.43          | 22.53  | 22.53  | 23.00         | 21.98         | 22.16 | 21.93 | 23.00         |
| SCPP Rel 6      | 22.01         | 21.77 | 22.17  | 23.00         | 22.45          | 22.50  | 22.53  | 23.00         | 21.95         | 22.23 | 22.01 | 22.50         |
| SCPP Rel 6      | 21.55         | 21.31 | 21.77  | 22.50         | 22.04          | 22.13  | 22.09  | 22.50         | 21.53         | 21.78 | 21.55 | 22.00         |
| SCPP Rel 6      | 21.33         | 21.26 | 21.76  | 22.50         | 21.93          | 22.05  | 22.06  | 22.50         | 21.52         | 21.75 | 21.50 | 22.00         |
| SCPP Rel 6      | 20.51         | 20.50 | 20.52  | 22.50         | 20.52          | 20.59  | 20.54  | 22.50         | 20.99         | 20.00 | 20.05 | 21.50         |
| SCPP Rel 6      | 19.87         | 19.87 | 20.17  | 21.00         | 20.54          | 20.54  | 20.55  | 21.00         | 20.01         | 20.04 | 20.10 | 20.50         |
| SCPP Rel 6      | 21.02         | 20.77 | 21.19  | 22.00         | 21.43          | 21.45  | 21.42  | 21.50         | 21.04         | 21.00 | 21.08 | 21.50         |
| SCPP Rel 6      | 19.56         | 19.23 | 19.70  | 20.50         | 20.01          | 20.06  | 20.07  | 20.50         | 19.60         | 19.60 | 19.62 | 20.50         |
| SCPP Rel 6      | 21.00         | 20.70 | 21.20  | 22.50         | 21.60          | 21.60  | 21.60  | 22.50         | 21.00         | 21.00 | 21.10 | 22.50         |
| SCPP Rel 7      | 20.02         | 20.06 | 20.12  | 22.00         | 20.30          | 20.44  | 20.28  | 22.00         | 20.00         | 20.02 | 20.05 | 22.00         |

Band 2\_Ant 2

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>1700 | Power Middle<br>Ch. Freq.<br>1800 | Power High<br>Ch. Freq.<br>1900 | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------------|-----------------------------------|---------------------------------|-----------------------|-------------|
| Channel         |            |         |           |                                |                                   |                                 |                       |             |
| Frequency (MHz) |            |         |           |                                |                                   |                                 |                       |             |
| 20              | QPSK       | 1       | 0         | 24.11                          | 24.12                             | 24.10                           | 24.5                  | 0           |
| 20              | QPSK       | 1       | 49        | 24.10                          | 24.10                             | 24.09                           |                       |             |
| 20              | QPSK       | 1       | 99        | 23.95                          | 24.01                             | 24.00                           |                       |             |
| 20              | QPSK       | 50      | 0         | 23.11                          | 23.12                             | 23.11                           |                       |             |
| 20              | QPSK       | 50      | 24        | 23.10                          | 23.07                             | 23.10                           | 23.5                  | 1           |
| 20              | QPSK       | 50      | 50        | 23.10                          | 23.03                             | 23.05                           |                       |             |
| 20              | QPSK       | 100     | 0         | 23.10                          | 23.11                             | 23.08                           |                       |             |
| 20              | 16QAM      | 1       | 0         | 23.31                          | 23.41                             | 23.34                           |                       |             |
| 20              | 16QAM      | 1       | 49        | 23.47                          | 23.33                             | 23.28                           | 23.5                  | 1           |
| 20              | 16QAM      | 1       | 99        | 23.26                          | 23.33                             | 23.35                           |                       |             |
| 20              | 16QAM      | 50      | 0         | 22.10                          | 22.08                             | 22.12                           |                       |             |
| 20              | 16QAM      | 50      | 24        | 22.08                          | 22.06                             | 22.13                           |                       |             |
| 20              | 16QAM      | 50      | 50        | 22.05                          | 22.04                             | 22.06                           | 22.5                  | 2           |
| 20              | 16QAM      | 100     | 0         | 22.10                          | 22.08                             | 22.11                           |                       |             |
| 20              | 64QAM      | 1       | 0         | 22.24                          | 22.26                             | 22.27                           |                       |             |
| 20              | 64QAM      | 1       | 49        | 22.30                          | 22.30                             | 22.26                           | 22.5                  | 2           |
| 20              | 64QAM      | 1       | 99        | 22.11                          | 22.07                             | 22.13                           |                       |             |
| 20              | 64QAM      | 50      | 0         | 21.07                          | 21.09                             | 21.09                           |                       |             |
| 20              | 64QAM      | 50      | 24        | 21.10                          | 21.06                             | 21.13                           |                       |             |
| 20              | 64QAM      | 50      | 50        | 21.07                          | 21.00                             | 21.04                           | 21.5                  | 3           |
| 20              | 64QAM      | 100     | 0         | 21.10                          | 21.07                             | 21.09                           |                       |             |
| 20              | 256QAM     | 1       | 0         | 19.06                          | 19.00                             | 19.05                           |                       |             |
| 20              | 256QAM     | 1       | 49        | 19.05                          | 19.07                             | 19.09                           |                       |             |
| 20              | 256QAM     | 1       | 99        | 18.98                          | 18.97                             | 19.01                           | 19.5                  | 5           |
| 20              | 256QAM     | 50      | 0         | 19.00                          | 19.04                             | 19.09                           |                       |             |
| 20              | 256QAM     | 50      | 24        | 18.97                          | 18.94                             | 18.97                           |                       |             |
| 20              | 256QAM     | 50      | 50        | 18.96                          | 18.92                             | 19.00                           |                       |             |
| 20              | 256QAM     | 100     | 0         | 19.06                          | 19.00                             | 19.02                           | 19.5                  | 5           |
| Channel         |            |         |           |                                |                                   |                                 |                       |             |
| Frequency (MHz) |            |         |           |                                |                                   |                                 |                       |             |
| 15              | QPSK       | 1       | 0         | 1867.5                         | 1863                              | 1902.5                          | 24.5                  | 0           |
| 15              | QPSK       | 1       | 0         | 24.04                          | 24.05                             | 24.02                           |                       |             |
| 15              | QPSK       | 1       | 37        | 23.95                          | 23.92                             | 24.03                           |                       |             |
| 15              | QPSK       | 1       | 74        | 23.83                          | 23.90                             | 23.91                           |                       |             |
| 15              | QPSK       | 36      | 36        | 22.92                          | 22.95                             | 22.97                           | 23.5                  | 1           |
| 15              | QPSK       | 36      | 36        | 22.99                          | 22.87                             | 22.89                           |                       |             |
| 15              | QPSK       | 36      | 36        | 22.98                          | 22.98                             | 22.98                           |                       |             |
| 15              | 16QAM      | 1       | 0         | 23.19                          | 23.32                             | 23.15                           |                       |             |
| 15              | 16QAM      | 1       | 37        | 23.41                          | 23.31                             | 23.15                           | 23.5                  | 1           |
| 15              | 16QAM      | 1       | 44        | 23.10                          | 23.26                             | 23.17                           |                       |             |
| 15              | 16QAM      | 36      | 0         | 21.91                          | 21.89                             | 22.06                           |                       |             |
| 15              | 16QAM      | 36      | 20        | 21.99                          | 21.91                             | 21.96                           |                       |             |
| 15              | 16QAM      | 36      | 38        | 21.91                          | 21.87                             | 21.93                           | 22.5                  | 2           |
| 15              | 16QAM      | 75      | 0         | 22.03                          | 22.00                             | 21.97                           |                       |             |
| 15              | 64QAM      | 1       | 0         | 22.07                          | 22.15                             | 22.11                           |                       |             |
| 15              | 64QAM      | 1       | 0         | 22.17                          | 22.15                             | 22.15                           |                       |             |
| 15              | 64QAM      | 1       | 74        | 22.01                          | 21.98                             | 21.99                           | 22.5                  | 2           |
| 15              | 64QAM      | 36      | 0         | 21.09                          | 21.01                             | 21.00                           |                       |             |
| 15              | 64QAM      | 36      | 20        | 20.91                          | 20.98                             | 20.97                           |                       |             |
| 15              | 64QAM      | 36      | 39        | 20.99                          | 20.89                             | 20.94                           |                       |             |
| 15              | 64QAM      | 75      | 0         | 21.04                          | 20.90                             | 21.01                           | 21.5                  | 3           |
| 15              | 256QAM     | 1       | 0         | 18.90                          | 18.83                             | 18.96                           |                       |             |
| 15              | 256QAM     | 1       | 37        | 18.86                          | 18.90                             | 18.98                           |                       |             |
| 15              | 256QAM     | 1       | 74        | 18.83                          | 18.91                             | 18.91                           |                       |             |
| 15              | 256QAM     | 36      | 0         | 18.91                          | 18.97                             | 18.99                           | 19.5                  | 5           |
| 15              | 256QAM     | 36      | 20        | 18.94                          | 18.79                             | 18.84                           |                       |             |
| 15              | 256QAM     | 36      | 38        | 18.77                          | 18.82                             | 18.87                           |                       |             |
| 15              | 256QAM     | 75      | 0         | 18.96                          | 18.81                             | 18.83                           |                       |             |
| 15              | 256QAM     | 75      | 0         | 18.96                          | 18.81                             | 18.83                           | 19.5                  | 5           |
| Channel         |            |         |           |                                |                                   |                                 |                       |             |
| Frequency (MHz) |            |         |           |                                |                                   |                                 |                       |             |
| 10              | QPSK       | 1       | 0         | 1865                           | 1860                              | 1905                            | 24.5                  | 0           |
| 10              | QPSK       | 1       | 0         | 23.93                          | 24.04                             | 23.91                           |                       |             |
| 10              | QPSK       | 1       | 49        | 23.93                          | 23.92                             | 24.03                           |                       |             |
| 10              | QPSK       | 1       | 49        | 23.82                          | 23.82                             | 23.94                           |                       |             |
| 10              | QPSK       | 25      | 0         | 23.05                          | 22.97                             | 23.01                           | 23.5                  | 1           |
| 10              | QPSK       | 25      | 0         | 22.98                          | 23.00                             | 23.01                           |                       |             |
| 10              | QPSK       | 25      | 26        | 22.94                          | 22.95                             | 22.97                           |                       |             |
| 10              | QPSK       | 50      | 0         | 23.04                          | 23.02                             | 23.00                           |                       |             |
| 10              | 16QAM      | 1       | 0         | 23.23                          | 23.28                             | 23.27                           | 23.5                  | 1           |
| 10              | 16QAM      | 1       | 26        | 23.35                          | 23.30                             | 23.17                           |                       |             |
| 10              | 16QAM      | 1       | 49        | 23.12                          | 23.17                             | 23.29                           |                       |             |
| 10              | 16QAM      | 25      | 0         | 21.91                          | 21.90                             | 21.98                           |                       |             |
| 10              | 16QAM      | 25      | 12        | 21.93                          | 22.00                             | 22.06                           | 22.5                  | 2           |
| 10              | 16QAM      | 25      | 12        | 21.92                          | 21.90                             | 22.05                           |                       |             |
| 10              | 16QAM      | 50      | 0         | 22.04                          | 21.98                             | 21.94                           |                       |             |
| 10              | 64QAM      | 1       | 0         | 22.15                          | 22.08                             | 22.13                           |                       |             |
| 10              | 64QAM      | 1       | 0         | 22.18                          | 22.12                             | 22.19                           | 22.5                  | 2           |
| 10              | 64QAM      | 1       | 49        | 21.97                          | 21.86                             | 22.06                           |                       |             |
| 10              | 64QAM      | 25      | 0         | 20.95                          | 21.03                             | 20.94                           |                       |             |
| 10              | 64QAM      | 25      | 0         | 20.96                          | 20.99                             | 20.97                           |                       |             |
| 10              | 64QAM      | 25      | 26        | 20.97                          | 20.90                             | 20.93                           | 21.5                  | 3           |
| 10              | 64QAM      | 50      | 0         | 20.98                          | 20.94                             | 20.92                           |                       |             |
| 10              | 256QAM     | 1       | 0         | 18.94                          | 18.80                             | 18.93                           |                       |             |
| 10              | 256QAM     | 1       | 26        | 18.89                          | 18.91                             | 19.02                           |                       |             |
| 10              | 256QAM     | 25      | 0         | 18.90                          | 18.85                             | 18.88                           | 19.5                  | 5           |
| 10              | 256QAM     | 25      | 0         | 18.93                          | 18.94                             | 18.95                           |                       |             |
| 10              | 256QAM     | 25      | 12        | 18.89                          | 18.91                             | 18.86                           |                       |             |
| 10              | 256QAM     | 25      | 12        | 18.79                          | 18.81                             | 18.84                           |                       |             |
| 10              | 256QAM     | 50      | 0         | 18.98                          | 18.84                             | 18.92                           | 19.5                  | 5           |
| Channel         |            |         |           |                                |                                   |                                 |                       |             |
| Frequency (MHz) |            |         |           |                                |                                   |                                 |                       |             |
| 5               | QPSK       | 1       | 0         | 1862.5                         | 1860                              | 1917.5                          | 24.5                  | 0           |
| 5               | QPSK       | 1       | 0         | 24.02                          | 23.95                             | 23.95                           |                       |             |
| 5               | QPSK       | 1       | 12        | 23.94                          | 24.01                             | 24.00                           |                       |             |
| 5               | QPSK       | 1       | 24        | 23.81                          | 23.95                             | 23.91                           |                       |             |
| 5               | QPSK       | 12      | 0         | 22.98                          | 22.97                             | 23.01                           | 23.5                  | 1           |
| 5               | QPSK       | 12      | 7         | 22.91                          | 22.91                             | 22.94                           |                       |             |
| 5               | QPSK       | 12      | 13        | 22.95                          | 22.90                             | 22.95                           |                       |             |
| 5               | QPSK       | 25      | 0         | 22.94                          | 23.02                             | 22.93                           |                       |             |
| 5               | 16QAM      | 1       | 0         | 23.23                          | 23.25                             | 23.25                           | 23.5                  | 1           |
| 5               | 16QAM      | 1       | 12        | 23.34                          | 23.30                             | 23.10                           |                       |             |
| 5               | 16QAM      | 1       | 24        | 23.17                          | 23.26                             | 23.24                           |                       |             |
| 5               | 16QAM      | 12      | 0         | 22.04                          | 21.93                             | 21.98                           |                       |             |
| 5               | 16QAM      | 12      | 7         | 21.98                          | 21.91                             | 21.94                           | 22.5                  | 2           |
| 5               | 16QAM      | 12      | 13        | 21.95                          | 21.87                             | 21.91                           |                       |             |
| 5               | 16QAM      | 25      | 0         | 22.00                          | 21.97                             | 21.97                           |                       |             |
| 5               | 64QAM      | 1       | 0         | 22.07                          | 22.09                             | 22.13                           |                       |             |
| 5               | 64QAM      | 1       | 12        | 22.24                          | 22.12                             | 22.16                           | 22.5                  | 2           |
| 5               | 64QAM      | 1       | 18        | 21.94                          | 21.92                             | 22.00                           |                       |             |
| 5               | 64QAM      | 12      | 0         | 20.90                          | 21.00                             | 20.91                           |                       |             |
| 5               | 64QAM      | 12      | 0         | 20.93                          | 21.00                             | 20.93                           |                       |             |
| 5               | 64QAM      | 12      | 13        | 20.91                          | 20.84                             | 20.87                           | 21.5                  | 3           |
| 5               | 64QAM      | 25      | 0         | 20.94                          | 20.90                             | 20.93                           |                       |             |
| 5               | 256QAM     | 1       | 0         | 18.89                          | 18.89                             | 18.98                           |                       |             |
| 5               | 256QAM     | 1       | 12        | 18.97                          | 18.80                             | 18.98                           |                       |             |
| 5               | 256QAM     | 1       | 24        | 18.81                          | 18.84                             | 18.93                           | 19.5                  | 5           |
| 5               | 256QAM     | 12      | 0         | 18.91                          | 18.95                             | 18.93                           |                       |             |
| 5               | 256QAM     | 12      | 7         | 18.90                          | 18.84                             | 18.81                           |                       |             |
| 5               | 256QAM     | 12      | 13        | 18.79                          | 18.88                             | 18.90                           |                       |             |
| 5               | 256QAM     | 25      | 0         | 18.93                          | 18.88                             | 18.90                           | 19.5                  | 5           |
| Channel         |            |         |           |                                |                                   |                                 |                       |             |
| Frequency (MHz) |            |         |           |                                |                                   |                                 |                       |             |
| 3               | QPSK       | 1       | 0         | 24.03                          | 23.95                             | 23.94                           | 24.5                  | 0           |
| 3               | QPSK       | 1       | 8         | 24.01                          | 23.91                             | 23.95                           |                       |             |
| 3               | QPSK       | 1       | 16        | 23.96                          | 23.93                             | 23.93                           |                       |             |
| 3               | QPSK       | 6       | 0         | 22.93                          | 22.93                             | 22.99                           |                       |             |
| 3               | QPSK       | 8       | 4         | 22.98                          | 22.96                             | 22.90                           | 23.5                  | 1           |
| 3               | QPSK       | 8       | 4         | 22.94                          | 22.98                             | 22.99                           |                       |             |
| 3               | QPSK       | 15      | 0         | 22.91                          | 23.03                             | 22.97                           |                       |             |
| 3               | 16QAM      | 1       | 0         | 23.17                          | 23.27                             | 23.17                           |                       |             |
| 3               | 16QAM      | 1       | 8         | 23.41                          | 23.32                             | 23.15                           | 23.5                  | 1           |
| 3               | 16QAM      | 1       | 14        | 23.18                          | 23.18                             | 23.24                           |                       |             |
| 3               | 16QAM      | 8       | 0         | 21.96                          | 22.01                             | 21.91                           |                       |             |
| 3               | 16QAM      | 8       | 4         | 21.91                          | 21.94                             | 21.94                           |                       |             |
| 3               | 16QAM      | 8       | 7         | 21.96                          | 21.85                             | 21.96                           | 22.5                  | 2           |
| 3               | 16QAM      | 15      | 0         | 21.91                          | 21.98                             | 22.05                           |                       |             |
| 3               | 64QAM      | 1       | 0         | 22.13                          | 22.20                             | 22.21                           |                       |             |
| 3               | 64QAM      | 1       | 8         | 22.19                          | 22.12                             | 22.14                           |                       |             |
| 3               | 64QAM      | 1       | 16        | 21.95                          | 21.92                             | 21.96                           | 21.5                  | 3           |
| 3               | 64QAM      | 8       | 0         | 20.93                          | 20.93                             | 20.90                           |                       |             |
| 3               | 64QAM      | 8       | 4         | 20.94                          | 20.90                             | 20.96                           |                       |             |
| 3               | 64QAM      | 8       | 7         | 20.99                          | 20.91                             | 20.95                           |                       |             |
| 3               | 64QAM      | 15      | 0         | 20.99                          | 20.91                             | 21.02                           | 19.5                  | 5           |
| 3               | 256QAM     | 1       | 0         | 19.00                          | 18.84                             | 18.87                           |                       |             |
| 3               | 256QAM     | 1       | 8         | 18.95                          | 18.88                             | 19.01                           |                       |             |
| 3               | 256QAM     | 1       | 16        | 18.84                          | 18.88                             | 18.94                           |                       |             |
| 3               | 256QAM     | 8       | 0         | 18.81                          | 18.93                             | 19.03                           | 19.5                  | 5           |
| 3               | 256QAM     | 8       | 4         | 18.91                          | 18.83                             | 18.82                           |                       |             |
| 3               | 256QAM     | 8       | 7         | 18.90                          | 18.79                             | 18.85                           |                       |             |
| 3               | 256QAM     | 15      | 0         | 18.92                          | 18.89                             | 18.93                           |                       |             |
| 3               | 256QAM     | 15      | 0         | 18.92                          | 18.89                             | 18.93                           | 19.5                  | 5           |
| Channel         |            |         |           |                                |                                   |                                 |                       |             |
| Frequency (MHz) |            |         |           |                                |                                   |                                 |                       |             |
| 1.4             | QPSK       | 1       | 0         | 23.98                          | 24.00                             | 23.93                           | 24.5                  | 0           |
| 1.4             | QPSK       | 1       | 3         | 23.94                          | 24.03                             | 24.01                           |                       |             |
| 1.4             | QPSK       | 1       | 6         | 23.77                          | 23.94                             | 23.83                           |                       |             |
| 1.4             | QPSK       | 3       | 0         | 23.66                          | 23.78                             | 23.76                           |                       |             |
| 1.4             | QPSK       | 1       | 0         | 23.61                          | 23.71                             | 23.74                           | 23.5                  | 1           |
| 1.4             | QPSK       | 3       | 3         | 23.69                          | 23.70                             | 23.77                           |                       |             |
| 1.4             | QPSK       | 6       | 0         | 23.00                          | 22.99                             | 23.01                           |                       |             |
| 1.4             | 16QAM      | 1       | 0         | 23.17                          | 23.17                             | 23.20                           |                       |             |
| 1.4             | 16QAM      | 1       | 3         | 23.40                          | 23.26                             | 23.21                           | 23.5                  | 1           |
| 1.4             | 16QAM      | 1       | 5         | 23.15                          | 23.16                             | 23.26                           |                       |             |
| 1.4             | 16QAM      | 3       | 0         | 21.96                          | 21.92                             | 21.96                           |                       |             |
| 1.4             | 16QAM      | 3       | 1         | 21.95                          | 23.01                             | 23.17                           |                       |             |
| 1.4             | 16QAM      | 3       | 3         | 23.03                          | 22.97                             | 23.15                           | 22.5                  | 2           |
| 1.4             | 16QAM      | 15      | 0         | 22.02                          | 21.96                             | 21.93                           |                       |             |
| 1.4             | 64QAM      | 1       | 0         | 22.18                          | 22.18                             | 22.15                           |                       |             |
| 1.4             | 64QAM      | 1       | 3         | 22.19                          | 22.16                             | 22.12                           |                       |             |
| 1.4             | 64QAM      | 3       | 0         | 21.88                          | 21.91                             | 21.83                           | 22.5                  | 2           |
| 1.4             | 64QAM      | 3       | 1         | 21.91                          | 21.97                             | 21.76                           |                       |             |
| 1.4             | 64QAM      | 3       | 3         | 21.91                          | 21.89                             | 21.91                           |                       |             |
| 1.4             | 64QAM      | 6       | 0         | 20.91                          | 20.88                             | 21.01                           |                       |             |
| 1.4             | 256QAM     | 1       | 0         | 18.84                          | 18.81                             | 18.86                           | 19.5                  | 5           |
| 1.4             | 256QAM     | 1       | 3         | 18.98                          | 18.87                             | 18.90                           |                       |             |
| 1.4             | 256QAM     | 1       | 5         | 18.82                          | 18.82                             | 18.89                           |                       |             |
| 1.4             | 256QAM     | 1       | 8         | 18.91                          | 18.89                             | 18.91                           |                       |             |
| 1.4             | 256QAM     | 3       | 0         | 19.00                          | 18.90                             | 18.99                           | 19.5                  | 5           |
| 1.4             | 256QAM     | 3       | 3         | 18.90                          | 18.75                             | 18.89                           |                       |             |
| 1.4             | 256QAM     | 3       | 5         | 18.90                          | 18.73                             | 18.93                           |                       |             |
| 1.4             | 256QAM     | 3       | 8         | 18.90                          | 18.79                             | 18.95                           |                       |             |

## Band 5\_Ant 0

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>20450 | Power Middle<br>Ch. Freq.<br>20525 | Power High<br>Ch. Freq.<br>20600 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|---------------------------------|------------------------------------|----------------------------------|------------------------|-------------|
| Channel         |            |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                        |             |
| 10              | QPSK       | 1       | 0         | 23.92                           | 23.93                              | 24.03                            | 25                     | 0           |
| 10              | QPSK       | 1       | 25        | 23.92                           | 23.94                              | 24.01                            |                        |             |
| 10              | QPSK       | 1       | 49        | 23.93                           | 24.01                              | 24.00                            |                        |             |
| 10              | QPSK       | 25      | 0         | 22.92                           | 23.05                              | 23.03                            |                        |             |
| 10              | QPSK       | 25      | 12        | 22.89                           | 22.96                              | 22.92                            | 24                     | 1           |
| 10              | QPSK       | 25      | 25        | 22.88                           | 22.98                              | 23.02                            |                        |             |
| 10              | QPSK       | 50      | 0         | 22.90                           | 23.05                              | 23.01                            |                        |             |
| 10              | 16QAM      | 1       | 0         | 23.09                           | 23.31                              | 23.24                            |                        |             |
| 10              | 16QAM      | 1       | 25        | 23.06                           | 23.17                              | 23.17                            | 24                     | 1           |
| 10              | 16QAM      | 1       | 49        | 23.23                           | 23.10                              | 23.20                            |                        |             |
| 10              | 16QAM      | 25      | 0         | 22.97                           | 22.97                              | 22.92                            |                        |             |
| 10              | 16QAM      | 25      | 12        | 21.93                           | 21.97                              | 21.94                            |                        |             |
| 10              | 16QAM      | 25      | 25        | 21.89                           | 21.89                              | 22.03                            | 23                     | 2           |
| 10              | 16QAM      | 50      | 0         | 21.83                           | 21.83                              | 22.06                            |                        |             |
| 10              | 64QAM      | 1       | 0         | 22.07                           | 22.13                              | 22.09                            |                        |             |
| 10              | 64QAM      | 1       | 25        | 22.01                           | 22.16                              | 22.03                            |                        |             |
| 10              | 64QAM      | 1       | 49        | 22.18                           | 22.08                              | 22.22                            | 23                     | 2           |
| 10              | 64QAM      | 25      | 0         | 20.98                           | 20.93                              | 21.00                            |                        |             |
| 10              | 64QAM      | 25      | 12        | 20.95                           | 20.98                              | 21.06                            |                        |             |
| 10              | 64QAM      | 25      | 25        | 20.95                           | 20.91                              | 21.11                            |                        |             |
| 10              | 64QAM      | 50      | 0         | 20.94                           | 20.92                              | 21.07                            | 22                     | 3           |
| 10              | 256QAM     | 1       | 0         | 18.68                           | 18.76                              | 18.70                            |                        |             |
| 10              | 256QAM     | 1       | 25        | 18.62                           | 18.76                              | 18.66                            |                        |             |
| 10              | 256QAM     | 1       | 49        | 18.79                           | 18.98                              | 18.89                            |                        |             |
| 10              | 256QAM     | 25      | 0         | 18.69                           | 18.83                              | 18.69                            | 20                     | 5           |
| 10              | 256QAM     | 25      | 12        | 18.56                           | 18.75                              | 18.67                            |                        |             |
| 10              | 256QAM     | 25      | 25        | 18.64                           | 18.83                              | 18.74                            |                        |             |
| 10              | 256QAM     | 50      | 0         | 18.72                           | 18.85                              | 18.68                            |                        |             |
| Channel         |            |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                        |             |
| 5               | QPSK       | 1       | 0         | 23.83                           | 23.84                              | 23.97                            | 25                     | 0           |
| 5               | QPSK       | 1       | 12        | 23.82                           | 23.78                              | 23.85                            |                        |             |
| 5               | QPSK       | 1       | 24        | 23.81                           | 23.90                              | 23.83                            |                        |             |
| 5               | QPSK       | 12      | 0         | 22.81                           | 22.88                              | 22.93                            |                        |             |
| 5               | QPSK       | 12      | 7         | 22.78                           | 22.79                              | 22.77                            | 24                     | 1           |
| 5               | QPSK       | 12      | 13        | 22.73                           | 22.79                              | 22.86                            |                        |             |
| 5               | QPSK       | 36      | 0         | 22.77                           | 22.89                              | 22.88                            |                        |             |
| 5               | 16QAM      | 1       | 0         | 22.97                           | 23.17                              | 23.11                            |                        |             |
| 5               | 16QAM      | 1       | 12        | 22.91                           | 23.00                              | 23.05                            | 24                     | 1           |
| 5               | 16QAM      | 1       | 24        | 23.04                           | 22.99                              | 23.14                            |                        |             |
| 5               | 16QAM      | 12      | 0         | 21.82                           | 21.74                              | 21.94                            |                        |             |
| 5               | 16QAM      | 12      | 7         | 21.77                           | 21.91                              | 21.88                            |                        |             |
| 5               | 16QAM      | 12      | 13        | 21.70                           | 21.80                              | 21.99                            | 23                     | 2           |
| 5               | 16QAM      | 25      | 0         | 21.84                           | 21.81                              | 21.97                            |                        |             |
| 5               | 64QAM      | 1       | 0         | 21.90                           | 21.97                              | 22.01                            |                        |             |
| 5               | 64QAM      | 1       | 12        | 21.80                           | 22.07                              | 21.94                            |                        |             |
| 5               | 64QAM      | 1       | 24        | 22.10                           | 21.92                              | 22.15                            | 23                     | 2           |
| 5               | 64QAM      | 12      | 0         | 20.92                           | 20.81                              | 20.99                            |                        |             |
| 5               | 64QAM      | 12      | 7         | 20.89                           | 20.81                              | 20.87                            |                        |             |
| 5               | 64QAM      | 12      | 13        | 20.89                           | 20.84                              | 21.01                            |                        |             |
| 5               | 64QAM      | 25      | 0         | 20.82                           | 20.79                              | 20.95                            | 22                     | 3           |
| 5               | 64QAM      | 25      | 12        | 20.82                           | 20.78                              | 20.97                            |                        |             |
| 5               | 256QAM     | 1       | 0         | 18.56                           | 18.68                              | 18.58                            |                        |             |
| 5               | 256QAM     | 1       | 12        | 18.50                           | 18.65                              | 18.60                            |                        |             |
| 5               | 256QAM     | 1       | 24        | 18.60                           | 18.60                              | 18.76                            | 20                     | 5           |
| 5               | 256QAM     | 12      | 0         | 18.54                           | 18.58                              | 18.59                            |                        |             |
| 5               | 256QAM     | 12      | 7         | 18.42                           | 18.55                              | 18.56                            |                        |             |
| 5               | 256QAM     | 12      | 13        | 18.57                           | 18.66                              | 18.67                            |                        |             |
| 5               | 256QAM     | 25      | 0         | 18.56                           | 18.60                              | 18.62                            | 20                     | 5           |
| 5               | 256QAM     | 25      | 0         | 18.56                           | 18.60                              | 18.62                            |                        |             |
| Channel         |            |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                        |             |
| 3               | QPSK       | 1       | 0         | 23.79                           | 23.89                              | 23.88                            | 25                     | 0           |
| 3               | QPSK       | 1       | 8         | 23.78                           | 23.87                              | 23.86                            |                        |             |
| 3               | QPSK       | 1       | 14        | 23.75                           | 23.93                              | 23.90                            |                        |             |
| 3               | QPSK       | 8       | 0         | 22.80                           | 22.90                              | 22.87                            |                        |             |
| 3               | QPSK       | 8       | 4         | 22.80                           | 22.79                              | 22.78                            | 24                     | 1           |
| 3               | QPSK       | 8       | 7         | 22.78                           | 22.79                              | 22.86                            |                        |             |
| 3               | 16QAM      | 15      | 0         | 22.74                           | 22.83                              | 22.85                            |                        |             |
| 3               | 16QAM      | 1       | 0         | 23.24                           | 23.21                              | 23.18                            |                        |             |
| 3               | 16QAM      | 1       | 8         | 22.94                           | 22.98                              | 23.05                            | 24                     | 1           |
| 3               | 16QAM      | 1       | 14        | 23.09                           | 23.02                              | 23.05                            |                        |             |
| 3               | 16QAM      | 8       | 0         | 21.90                           | 21.84                              | 21.89                            |                        |             |
| 3               | 16QAM      | 8       | 4         | 21.74                           | 21.83                              | 21.85                            |                        |             |
| 3               | 16QAM      | 15      | 0         | 21.82                           | 21.74                              | 21.92                            | 23                     | 2           |
| 3               | 64QAM      | 1       | 0         | 21.82                           | 21.77                              | 21.95                            |                        |             |
| 3               | 64QAM      | 1       | 0         | 21.98                           | 22.01                              | 21.92                            |                        |             |
| 3               | 64QAM      | 1       | 8         | 21.87                           | 22.10                              | 21.92                            |                        |             |
| 3               | 64QAM      | 1       | 14        | 22.01                           | 21.90                              | 22.08                            | 23                     | 2           |
| 3               | 64QAM      | 8       | 0         | 20.83                           | 20.78                              | 20.97                            |                        |             |
| 3               | 64QAM      | 8       | 4         | 20.76                           | 20.82                              | 20.84                            |                        |             |
| 3               | 64QAM      | 8       | 7         | 20.80                           | 20.77                              | 20.98                            |                        |             |
| 3               | 256QAM     | 1       | 0         | 18.64                           | 18.78                              | 18.65                            | 22                     | 3           |
| 3               | 256QAM     | 1       | 8         | 18.50                           | 18.72                              | 18.50                            |                        |             |
| 3               | 256QAM     | 14      | 0         | 18.73                           | 18.67                              | 18.74                            |                        |             |
| 3               | 256QAM     | 8       | 0         | 18.50                           | 18.70                              | 18.53                            |                        |             |
| 3               | 256QAM     | 8       | 4         | 18.49                           | 18.67                              | 18.56                            | 20                     | 5           |
| 3               | 256QAM     | 8       | 7         | 18.48                           | 18.74                              | 18.60                            |                        |             |
| 3               | 256QAM     | 15      | 0         | 18.63                           | 18.70                              | 18.62                            |                        |             |
| Channel         |            |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                        |             |
| 1.4             | QPSK       | 1       | 0         | 23.91                           | 23.90                              | 23.93                            | 25                     | 0           |
| 1.4             | QPSK       | 1       | 3         | 23.74                           | 23.81                              | 23.94                            |                        |             |
| 1.4             | QPSK       | 1       | 23.75     | 23.95                           | 23.86                              |                                  |                        |             |
| 1.4             | QPSK       | 3       | 0         | 23.76                           | 23.93                              | 23.88                            |                        |             |
| 1.4             | QPSK       | 3       | 1         | 23.61                           | 23.86                              | 23.76                            | 24                     | 1           |
| 1.4             | QPSK       | 3       | 9         | 23.73                           | 23.77                              | 23.83                            |                        |             |
| 1.4             | QPSK       | 6       | 0         | 22.80                           | 22.96                              | 22.83                            |                        |             |
| 1.4             | 16QAM      | 1       | 0         | 23.02                           | 23.18                              | 23.18                            |                        |             |
| 1.4             | 16QAM      | 1       | 3         | 23.00                           | 23.02                              | 22.99                            | 24                     | 1           |
| 1.4             | 16QAM      | 1       | 5         | 23.12                           | 22.91                              | 23.13                            |                        |             |
| 1.4             | 16QAM      | 3       | 0         | 22.91                           | 22.83                              | 22.83                            |                        |             |
| 1.4             | 16QAM      | 3       | 1         | 22.84                           | 22.79                              | 22.81                            |                        |             |
| 1.4             | 16QAM      | 3       | 3         | 22.77                           | 22.83                              | 22.92                            | 23                     | 2           |
| 1.4             | 16QAM      | 6       | 0         | 21.84                           | 21.70                              | 21.97                            |                        |             |
| 1.4             | 64QAM      | 1       | 0         | 21.92                           | 21.97                              | 22.01                            |                        |             |
| 1.4             | 64QAM      | 1       | 3         | 21.86                           | 21.96                              | 22.02                            |                        |             |
| 1.4             | 64QAM      | 1       | 5         | 22.05                           | 21.97                              | 22.16                            | 23                     | 2           |
| 1.4             | 64QAM      | 3       | 0         | 21.87                           | 21.86                              | 21.92                            |                        |             |
| 1.4             | 64QAM      | 3       | 0         | 21.79                           | 21.90                              | 21.93                            |                        |             |
| 1.4             | 64QAM      | 3       | 3         | 21.89                           | 21.81                              | 21.93                            |                        |             |
| 1.4             | 64QAM      | 6       | 0         | 20.75                           | 20.81                              | 21.01                            | 22                     | 3           |
| 1.4             | 256QAM     | 1       | 0         | 18.52                           | 18.78                              | 18.53                            |                        |             |
| 1.4             | 256QAM     | 1       | 3         | 18.54                           | 18.65                              | 18.51                            |                        |             |
| 1.4             | 256QAM     | 1       | 5         | 18.63                           | 18.66                              | 18.71                            |                        |             |
| 1.4             | 256QAM     | 3       | 0         | 18.57                           | 18.65                              | 18.55                            | 20                     | 5           |
| 1.4             | 256QAM     | 3       | 1         | 18.45                           | 18.69                              | 18.53                            |                        |             |
| 1.4             | 256QAM     | 3       | 3         | 18.56                           | 18.71                              | 18.61                            |                        |             |
| 1.4             | 256QAM     | 6       | 0         | 18.59                           | 18.72                              | 18.61                            |                        |             |

## Band 7\_Ant 4

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq. | Power Middle<br>Ch. Freq. | Power High<br>Ch. Freq. | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|-----------------------|-------------|
| Channel         |            |         |           |                        |                           |                         |                       |             |
| Frequency (MHz) |            |         |           |                        |                           |                         |                       |             |
| 20              | QPSK       | 1       | 0         | 20.80                  | 21.00                     | 21.00                   | 23.5                  | 0           |
| 20              | QPSK       | 1       | 49        | 22.09                  | 22.29                     | 22.30                   |                       |             |
| 20              | QPSK       | 1       | 99        | 22.16                  | 22.42                     | 22.70                   |                       |             |
| 20              | QPSK       | 50      | 0         | 21.25                  | 21.45                     | 21.86                   |                       |             |
| 20              | QPSK       | 50      | 24        | 21.26                  | 21.42                     | 21.86                   | 22.5                  | 1           |
| 20              | QPSK       | 50      | 50        | 21.28                  | 21.45                     | 21.83                   |                       |             |
| 20              | QPSK       | 100     | 0         | 21.27                  | 21.40                     | 21.87                   |                       |             |
| 20              | 16QAM      | 1       | 0         | 21.49                  | 21.70                     | 21.60                   |                       |             |
| 20              | 16QAM      | 1       | 49        | 21.99                  | 21.81                     | 21.98                   | 22.5                  | 1           |
| 20              | 16QAM      | 1       | 99        | 21.68                  | 21.81                     | 22.23                   |                       |             |
| 20              | 16QAM      | 50      | 0         | 20.25                  | 20.37                     | 20.54                   |                       |             |
| 20              | 16QAM      | 50      | 24        | 20.31                  | 20.45                     | 20.87                   |                       |             |
| 20              | 16QAM      | 50      | 50        | 20.32                  | 20.44                     | 20.83                   | 21.5                  | 2           |
| 20              | 16QAM      | 100     | 0         | 20.31                  | 20.40                     | 20.89                   |                       |             |
| 20              | 64QAM      | 1       | 0         | 20.37                  | 20.34                     | 20.44                   |                       |             |
| 20              | 64QAM      | 1       | 49        | 20.35                  | 20.85                     | 20.94                   | 21.5                  | 2           |
| 20              | 64QAM      | 1       | 99        | 20.99                  | 20.66                     | 21.09                   |                       |             |
| 20              | 64QAM      | 50      | 0         | 19.22                  | 19.36                     | 19.79                   |                       |             |
| 20              | 64QAM      | 50      | 24        | 19.23                  | 19.48                     | 19.87                   |                       |             |
| 20              | 64QAM      | 50      | 50        | 19.23                  | 19.55                     | 19.91                   | 20.5                  | 3           |
| 20              | 64QAM      | 100     | 0         | 19.23                  | 19.48                     | 19.98                   |                       |             |
| 20              | 256QAM     | 1       | 0         | 17.66                  | 17.76                     | 17.84                   |                       |             |
| 20              | 256QAM     | 1       | 49        | 17.63                  | 17.79                     | 17.85                   | 18.5                  | 5           |
| 20              | 256QAM     | 1       | 99        | 17.59                  | 17.84                     | 17.86                   |                       |             |
| 20              | 256QAM     | 50      | 0         | 17.60                  | 17.86                     | 17.85                   |                       |             |
| 20              | 256QAM     | 50      | 24        | 17.64                  | 17.81                     | 17.80                   |                       |             |
| 20              | 256QAM     | 50      | 50        | 17.48                  | 17.65                     | 17.64                   |                       |             |
| 20              | 256QAM     | 100     | 0         | 17.58                  | 17.58                     | 17.58                   |                       |             |
| Channel         |            |         |           |                        |                           |                         |                       |             |
| Frequency (MHz) |            |         |           |                        |                           |                         |                       |             |
| 15              | QPSK       | 1       | 0         | 20.65                  | 21.00                     | 21.00                   | 23.5                  | 0           |
| 15              | QPSK       | 1       | 37        | 22.05                  | 22.30                     | 22.33                   |                       |             |
| 15              | QPSK       | 1       | 74        | 22.17                  | 22.39                     | 22.88                   |                       |             |
| 15              | QPSK       | 36      | 0         | 21.06                  | 21.22                     | 21.42                   |                       |             |
| 15              | QPSK       | 36      | 20        | 21.13                  | 21.34                     | 21.57                   | 22.5                  | 1           |
| 15              | QPSK       | 36      | 39        | 21.16                  | 21.39                     | 21.67                   |                       |             |
| 15              | QPSK       | 75      | 0         | 21.01                  | 21.26                     | 21.50                   |                       |             |
| 15              | 16QAM      | 1       | 0         | 21.32                  | 21.64                     | 21.43                   |                       |             |
| 15              | 16QAM      | 1       | 37        | 21.45                  | 21.75                     | 21.80                   | 22.5                  | 1           |
| 15              | 16QAM      | 1       | 74        | 21.60                  | 21.68                     | 22.11                   |                       |             |
| 15              | 16QAM      | 36      | 0         | 20.17                  | 20.45                     | 20.45                   |                       |             |
| 15              | 16QAM      | 36      | 20        | 20.22                  | 20.52                     | 20.52                   |                       |             |
| 15              | 16QAM      | 36      | 39        | 20.14                  | 20.38                     | 20.67                   | 21.5                  | 2           |
| 15              | 16QAM      | 75      | 0         | 20.17                  | 20.37                     | 20.62                   |                       |             |
| 15              | 64QAM      | 1       | 0         | 20.19                  | 20.48                     | 20.28                   |                       |             |
| 15              | 64QAM      | 1       | 37        | 20.36                  | 20.52                     | 20.82                   | 21.5                  | 2           |
| 15              | 64QAM      | 1       | 74        | 20.45                  | 20.67                     | 20.97                   |                       |             |
| 15              | 64QAM      | 36      | 0         | 19.10                  | 19.29                     | 19.66                   |                       |             |
| 15              | 64QAM      | 36      | 20        | 19.16                  | 19.35                     | 19.81                   |                       |             |
| 15              | 64QAM      | 36      | 39        | 19.11                  | 19.40                     | 19.80                   | 20.5                  | 3           |
| 15              | 64QAM      | 75      | 0         | 19.08                  | 19.42                     | 19.73                   |                       |             |
| 15              | 256QAM     | 1       | 0         | 17.48                  | 17.61                     | 17.61                   |                       |             |
| 15              | 256QAM     | 1       | 37        | 17.46                  | 17.54                     | 17.49                   | 18.5                  | 5           |
| 15              | 256QAM     | 1       | 74        | 17.51                  | 17.56                     | 17.48                   |                       |             |
| 15              | 256QAM     | 36      | 0         | 17.61                  | 17.61                     | 17.61                   |                       |             |
| 15              | 256QAM     | 36      | 20        | 17.57                  | 17.63                     | 17.48                   |                       |             |
| 15              | 256QAM     | 36      | 39        | 17.33                  | 17.46                     | 17.36                   |                       |             |
| 15              | 256QAM     | 75      | 0         | 17.41                  | 17.41                     | 17.41                   |                       |             |
| Channel         |            |         |           |                        |                           |                         |                       |             |
| Frequency (MHz) |            |         |           |                        |                           |                         |                       |             |
| 10              | QPSK       | 1       | 0         | 20.80                  | 21.00                     | 21.00                   | 23.5                  | 0           |
| 10              | QPSK       | 1       | 25        | 21.98                  | 22.34                     | 22.81                   |                       |             |
| 10              | QPSK       | 1       | 49        | 22.18                  | 22.39                     | 22.81                   |                       |             |
| 10              | QPSK       | 25      | 0         | 21.09                  | 21.22                     | 21.42                   |                       |             |
| 10              | QPSK       | 25      | 12        | 21.10                  | 21.36                     | 21.54                   | 22.5                  | 1           |
| 10              | QPSK       | 25      | 25        | 21.09                  | 21.39                     | 21.65                   |                       |             |
| 10              | QPSK       | 50      | 0         | 21.14                  | 21.23                     | 21.52                   |                       |             |
| 10              | 16QAM      | 1       | 0         | 21.32                  | 21.61                     | 21.47                   |                       |             |
| 10              | 16QAM      | 1       | 25        | 21.44                  | 21.67                     | 21.83                   | 22.5                  | 1           |
| 10              | 16QAM      | 1       | 49        | 21.62                  | 21.69                     | 22.13                   |                       |             |
| 10              | 16QAM      | 1       | 74        | 20.19                  | 20.48                     | 20.38                   |                       |             |
| 10              | 16QAM      | 25      | 12        | 20.22                  | 20.31                     | 20.60                   |                       |             |
| 10              | 16QAM      | 25      | 25        | 20.23                  | 20.32                     | 20.65                   | 21.5                  | 2           |
| 10              | 16QAM      | 50      | 0         | 20.18                  | 20.29                     | 20.58                   |                       |             |
| 10              | 64QAM      | 1       | 0         | 20.29                  | 20.38                     | 20.27                   |                       |             |
| 10              | 64QAM      | 1       | 25        | 20.49                  | 20.57                     | 20.77                   |                       |             |
| 10              | 64QAM      | 1       | 49        | 20.40                  | 20.59                     | 21.01                   | 21.5                  | 2           |
| 10              | 64QAM      | 25      | 0         | 19.16                  | 19.30                     | 19.80                   |                       |             |
| 10              | 64QAM      | 25      | 12        | 19.14                  | 19.31                     | 19.81                   |                       |             |
| 10              | 64QAM      | 25      | 25        | 19.04                  | 19.37                     | 19.74                   |                       |             |
| 10              | 64QAM      | 50      | 0         | 19.09                  | 19.42                     | 19.80                   | 20.5                  | 3           |
| 10              | 256QAM     | 1       | 0         | 17.48                  | 17.48                     | 17.45                   |                       |             |
| 10              | 256QAM     | 1       | 25        | 17.54                  | 17.73                     | 17.59                   | 18.5                  | 5           |
| 10              | 256QAM     | 1       | 49        | 17.40                  | 17.52                     | 17.43                   |                       |             |
| 10              | 256QAM     | 25      | 0         | 17.53                  | 17.53                     | 17.47                   |                       |             |
| 10              | 256QAM     | 25      | 12        | 17.55                  | 17.71                     | 17.49                   | 18.5                  | 5           |
| 10              | 256QAM     | 25      | 25        | 17.36                  | 17.58                     | 17.46                   |                       |             |
| 10              | 256QAM     | 50      | 0         | 17.45                  | 17.45                     | 17.45                   |                       |             |
| Channel         |            |         |           |                        |                           |                         |                       |             |
| Frequency (MHz) |            |         |           |                        |                           |                         |                       |             |
| 5               | QPSK       | 1       | 0         | 20.75                  | 21.00                     | 21.45                   | 23.5                  | 0           |
| 5               | QPSK       | 1       | 12        | 21.95                  | 22.12                     | 22.26                   |                       |             |
| 5               | QPSK       | 1       | 24        | 22.09                  | 22.29                     | 22.81                   |                       |             |
| 5               | QPSK       | 12      | 0         | 21.08                  | 21.18                     | 21.46                   |                       |             |
| 5               | QPSK       | 12      | 7         | 21.19                  | 21.36                     | 21.52                   | 22.5                  | 1           |
| 5               | QPSK       | 12      | 13        | 21.16                  | 21.39                     | 21.65                   |                       |             |
| 5               | QPSK       | 25      | 0         | 21.15                  | 21.27                     | 21.53                   |                       |             |
| 5               | 16QAM      | 1       | 0         | 21.41                  | 21.99                     | 21.42                   |                       |             |
| 5               | 16QAM      | 1       | 12        | 21.46                  | 21.74                     | 21.84                   | 22.5                  | 1           |
| 5               | 16QAM      | 1       | 24        | 21.56                  | 21.62                     | 22.12                   |                       |             |
| 5               | 16QAM      | 12      | 0         | 20.14                  | 20.27                     | 20.43                   |                       |             |
| 5               | 16QAM      | 12      | 7         | 20.23                  | 20.31                     | 20.58                   |                       |             |
| 5               | 16QAM      | 12      | 13        | 20.17                  | 20.34                     | 20.67                   | 21.5                  | 2           |
| 5               | 16QAM      | 25      | 0         | 20.11                  | 20.18                     | 20.54                   |                       |             |
| 5               | 64QAM      | 1       | 0         | 20.18                  | 20.35                     | 20.37                   |                       |             |
| 5               | 64QAM      | 1       | 12        | 20.48                  | 20.59                     | 20.77                   |                       |             |
| 5               | 64QAM      | 1       | 24        | 20.40                  | 20.49                     | 20.91                   | 21.5                  | 2           |
| 5               | 64QAM      | 12      | 0         | 19.03                  | 19.25                     | 19.73                   |                       |             |
| 5               | 64QAM      | 12      | 7         | 19.16                  | 19.27                     | 19.73                   |                       |             |
| 5               | 64QAM      | 12      | 13        | 19.14                  | 19.23                     | 19.73                   |                       |             |
| 5               | 64QAM      | 25      | 0         | 19.09                  | 19.31                     | 19.69                   | 20.5                  | 3           |
| 5               | 256QAM     | 1       | 0         | 17.48                  | 17.48                     | 17.42                   |                       |             |
| 5               | 256QAM     | 1       | 12        | 17.50                  | 17.63                     | 17.58                   | 18.5                  | 5           |
| 5               | 256QAM     | 24      | 0         | 17.48                  | 17.48                     | 17.50                   |                       |             |
| 5               | 256QAM     | 12      | 0         | 17.54                  | 17.54                     | 17.75                   |                       |             |
| 5               | 256QAM     | 12      | 7         | 17.55                  | 17.64                     | 17.52                   | 18.5                  | 5           |
| 5               | 256QAM     | 12      | 13        | 17.37                  | 17.56                     | 17.51                   |                       |             |
| 5               | 256QAM     | 25      | 0         | 17.49                  | 17.53                     | 17.57                   |                       |             |

## Band 12\_Ant 0

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 2000 | Power Middle Ch. / Freq. 2000 | Power High Ch. / Freq. 2000 | Tune-up Int. (dBm) | MPR (dB) |  |
|-----------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|--------------------|----------|--|
| Channel         |            |         |           |                            |                               |                             |                    |          |  |
| Frequency (MHz) |            |         |           |                            |                               |                             |                    |          |  |
| 10              | QPSK       | 1       | 0         | 24.15                      | 24.15                         | 24.15                       | 25                 | 0        |  |
| 10              | QPSK       | 1       | 25        | 24.07                      | 24.15                         | 24.03                       |                    |          |  |
| 10              | QPSK       | 1       | 49        | 24.12                      | 24.07                         | 24.10                       |                    |          |  |
| 10              | QPSK       | 25      | 0         | 23.10                      | 23.13                         | 23.11                       |                    |          |  |
| 10              | QPSK       | 25      | 12        | 23.00                      | 23.07                         | 23.09                       | 24                 | 1        |  |
| 10              | QPSK       | 25      | 25        | 23.09                      | 23.10                         | 23.10                       |                    |          |  |
| 10              | QPSK       | 50      | 0         | 23.11                      | 23.12                         | 23.11                       |                    |          |  |
| 10              | 16QAM      | 1       | 0         | 23.30                      | 23.37                         | 23.39                       |                    |          |  |
| 10              | 16QAM      | 1       | 25        | 23.26                      | 23.36                         | 23.32                       | 24                 | 1        |  |
| 10              | 16QAM      | 1       | 49        | 23.32                      | 23.35                         | 23.38                       |                    |          |  |
| 10              | 16QAM      | 25      | 0         | 22.06                      | 21.99                         | 22.05                       |                    |          |  |
| 10              | 16QAM      | 25      | 12        | 22.02                      | 22.06                         | 22.11                       |                    |          |  |
| 10              | 16QAM      | 25      | 25        | 22.11                      | 22.12                         | 22.10                       | 23                 | 2        |  |
| 10              | 16QAM      | 50      | 0         | 22.14                      | 22.02                         | 22.11                       |                    |          |  |
| 10              | 64QAM      | 1       | 0         | 22.34                      | 22.16                         | 22.35                       |                    |          |  |
| 10              | 64QAM      | 1       | 25        | 22.25                      | 22.24                         | 22.17                       | 23                 | 2        |  |
| 10              | 64QAM      | 1       | 49        | 22.28                      | 22.35                         | 22.41                       |                    |          |  |
| 10              | 64QAM      | 25      | 0         | 21.09                      | 21.02                         | 21.04                       |                    |          |  |
| 10              | 64QAM      | 25      | 12        | 21.04                      | 21.06                         | 21.08                       |                    |          |  |
| 10              | 64QAM      | 25      | 25        | 21.14                      | 21.08                         | 21.12                       | 22                 | 3        |  |
| 10              | 64QAM      | 50      | 0         | 21.13                      | 21.03                         | 21.12                       |                    |          |  |
| 10              | 256QAM     | 1       | 0         | 18.69                      | 18.67                         | 18.67                       |                    |          |  |
| 10              | 256QAM     | 1       | 25        | 18.63                      | 18.70                         | 18.50                       |                    |          |  |
| 10              | 256QAM     | 1       | 49        | 18.60                      | 18.47                         | 18.68                       | 20                 | 5        |  |
| 10              | 256QAM     | 25      | 0         | 18.55                      | 18.79                         | 18.74                       |                    |          |  |
| 10              | 256QAM     | 25      | 12        | 18.55                      | 18.63                         | 18.58                       |                    |          |  |
| 10              | 256QAM     | 25      | 25        | 18.74                      | 18.72                         | 18.63                       |                    |          |  |
| 10              | 256QAM     | 50      | 0         | 18.72                      | 18.80                         | 18.80                       | 20                 | 5        |  |
| 10              | 256QAM     | 50      | 0         | 18.72                      | 18.80                         | 18.80                       |                    |          |  |
| 10              | 256QAM     | 50      | 0         | 18.72                      | 18.80                         | 18.80                       |                    |          |  |
| 10              | 256QAM     | 50      | 0         | 18.72                      | 18.80                         | 18.80                       |                    |          |  |
| Channel         |            |         |           |                            |                               |                             |                    |          |  |
| Frequency (MHz) |            |         |           |                            |                               |                             |                    |          |  |
| 5               | QPSK       | 1       | 0         | 24.03                      | 24.03                         | 24.03                       | 25                 | 0        |  |
| 5               | QPSK       | 1       | 12        | 23.94                      | 24.07                         | 23.89                       |                    |          |  |
| 5               | QPSK       | 1       | 24        | 23.94                      | 23.89                         | 23.99                       |                    |          |  |
| 5               | QPSK       | 12      | 0         | 23.03                      | 23.04                         | 23.03                       |                    |          |  |
| 5               | QPSK       | 12      | 7         | 22.89                      | 22.90                         | 23.03                       | 24                 | 1        |  |
| 5               | QPSK       | 12      | 13        | 23.00                      | 22.99                         | 22.87                       |                    |          |  |
| 5               | QPSK       | 25      | 0         | 22.97                      | 23.01                         | 22.98                       |                    |          |  |
| 5               | 16QAM      | 1       | 0         | 23.15                      | 23.27                         | 23.31                       |                    |          |  |
| 5               | 16QAM      | 1       | 12        | 23.20                      | 23.15                         | 23.24                       | 24                 | 1        |  |
| 5               | 16QAM      | 1       | 24        | 23.45                      | 23.38                         | 23.24                       |                    |          |  |
| 5               | 16QAM      | 12      | 0         | 21.94                      | 21.89                         | 21.90                       |                    |          |  |
| 5               | 16QAM      | 12      | 7         | 21.94                      | 21.87                         | 21.99                       |                    |          |  |
| 5               | 16QAM      | 12      | 13        | 21.97                      | 21.96                         | 21.93                       | 23                 | 2        |  |
| 5               | 16QAM      | 25      | 0         | 22.07                      | 22.01                         | 22.01                       |                    |          |  |
| 5               | 64QAM      | 1       | 0         | 22.18                      | 22.07                         | 22.27                       |                    |          |  |
| 5               | 64QAM      | 1       | 12        | 22.13                      | 22.07                         | 22.11                       |                    |          |  |
| 5               | 64QAM      | 1       | 24        | 22.20                      | 22.21                         | 22.29                       | 23                 | 2        |  |
| 5               | 64QAM      | 12      | 0         | 21.00                      | 20.96                         | 20.96                       |                    |          |  |
| 5               | 64QAM      | 12      | 7         | 20.94                      | 20.94                         | 21.02                       |                    |          |  |
| 5               | 64QAM      | 12      | 13        | 20.97                      | 20.96                         | 21.06                       |                    |          |  |
| 5               | 256QAM     | 1       | 0         | 18.53                      | 18.44                         | 18.59                       | 20                 | 5        |  |
| 5               | 256QAM     | 1       | 12        | 18.75                      | 18.56                         | 18.78                       |                    |          |  |
| 5               | 256QAM     | 1       | 24        | 18.50                      | 18.31                         | 18.51                       |                    |          |  |
| 5               | 256QAM     | 12      | 0         | 18.45                      | 18.58                         | 18.65                       |                    |          |  |
| 5               | 256QAM     | 12      | 7         | 18.74                      | 18.46                         | 18.69                       | 20                 | 5        |  |
| 5               | 256QAM     | 12      | 13        | 18.62                      | 18.56                         | 18.66                       |                    |          |  |
| 5               | 256QAM     | 25      | 0         | 18.45                      | 18.60                         | 18.65                       |                    |          |  |
| 5               | 256QAM     | 25      | 0         | 18.45                      | 18.60                         | 18.65                       |                    |          |  |
| Channel         |            |         |           |                            |                               |                             |                    |          |  |
| Frequency (MHz) |            |         |           |                            |                               |                             |                    |          |  |
| 3               | QPSK       | 1       | 0         | 23.97                      | 24.03                         | 24.01                       | 25                 | 0        |  |
| 3               | QPSK       | 1       | 8         | 24.00                      | 23.97                         | 23.92                       |                    |          |  |
| 3               | QPSK       | 1       | 16        | 23.99                      | 23.96                         | 24.03                       |                    |          |  |
| 3               | QPSK       | 8       | 0         | 22.94                      | 23.01                         | 23.02                       |                    |          |  |
| 3               | QPSK       | 8       | 4         | 22.81                      | 22.90                         | 22.91                       | 24                 | 1        |  |
| 3               | QPSK       | 8       | 7         | 22.97                      | 23.02                         | 23.02                       |                    |          |  |
| 3               | 16QAM      | 15      | 0         | 23.00                      | 22.96                         | 23.05                       |                    |          |  |
| 3               | 16QAM      | 1       | 0         | 23.19                      | 23.29                         | 23.33                       |                    |          |  |
| 3               | 16QAM      | 1       | 8         | 23.12                      | 23.17                         | 23.15                       | 24                 | 1        |  |
| 3               | 16QAM      | 1       | 16        | 23.48                      | 23.27                         | 23.22                       |                    |          |  |
| 3               | 16QAM      | 8       | 0         | 21.97                      | 21.86                         | 21.97                       |                    |          |  |
| 3               | 16QAM      | 8       | 4         | 21.93                      | 21.98                         | 21.97                       |                    |          |  |
| 3               | 16QAM      | 8       | 7         | 21.98                      | 21.99                         | 21.94                       | 23                 | 2        |  |
| 3               | 16QAM      | 15      | 0         | 21.99                      | 21.90                         | 21.95                       |                    |          |  |
| 3               | 64QAM      | 1       | 0         | 22.23                      | 22.06                         | 22.20                       |                    |          |  |
| 3               | 64QAM      | 1       | 8         | 22.17                      | 22.16                         | 22.05                       |                    |          |  |
| 3               | 64QAM      | 1       | 16        | 22.13                      | 22.19                         | 22.30                       | 23                 | 2        |  |
| 3               | 64QAM      | 8       | 0         | 20.97                      | 20.93                         | 20.95                       |                    |          |  |
| 3               | 64QAM      | 8       | 4         | 20.89                      | 20.96                         | 21.00                       |                    |          |  |
| 3               | 64QAM      | 8       | 7         | 21.03                      | 20.91                         | 20.97                       |                    |          |  |
| 3               | 256QAM     | 1       | 0         | 18.51                      | 18.52                         | 18.58                       | 20                 | 5        |  |
| 3               | 256QAM     | 1       | 8         | 18.77                      | 18.82                         | 18.76                       |                    |          |  |
| 3               | 256QAM     | 1       | 16        | 18.41                      | 18.29                         | 18.53                       |                    |          |  |
| 3               | 256QAM     | 8       | 0         | 18.42                      | 18.87                         | 18.87                       |                    |          |  |
| 3               | 256QAM     | 8       | 4         | 18.76                      | 18.44                         | 18.74                       | 20                 | 5        |  |
| 3               | 256QAM     | 8       | 7         | 18.61                      | 18.54                         | 18.44                       |                    |          |  |
| 3               | 256QAM     | 15      | 0         | 18.48                      | 18.61                         | 18.65                       |                    |          |  |
| 3               | 256QAM     | 15      | 0         | 18.48                      | 18.61                         | 18.65                       |                    |          |  |
| Channel         |            |         |           |                            |                               |                             |                    |          |  |
| Frequency (MHz) |            |         |           |                            |                               |                             |                    |          |  |
| 1.4             | QPSK       | 1       | 0         | 24.04                      | 24.03                         | 24.05                       | 25                 | 0        |  |
| 1.4             | QPSK       | 1       | 3         | 23.89                      | 24.00                         | 23.88                       |                    |          |  |
| 1.4             | QPSK       | 1       | 23        | 23.93                      | 24.01                         | 23.95                       |                    |          |  |
| 1.4             | QPSK       | 3       | 0         | 24.00                      | 24.04                         | 24.04                       |                    |          |  |
| 1.4             | QPSK       | 3       | 3         | 23.82                      | 24.06                         | 23.91                       | 24                 | 1        |  |
| 1.4             | QPSK       | 3       | 3         | 23.95                      | 24.02                         | 23.98                       |                    |          |  |
| 1.4             | QPSK       | 6       | 0         | 22.96                      | 22.93                         | 22.98                       |                    |          |  |
| 1.4             | 16QAM      | 1       | 0         | 23.11                      | 23.24                         | 23.32                       |                    |          |  |
| 1.4             | 16QAM      | 1       | 3         | 23.13                      | 23.18                         | 23.14                       | 24                 | 1        |  |
| 1.4             | 16QAM      | 1       | 5         | 23.42                      | 23.37                         | 23.27                       |                    |          |  |
| 1.4             | 16QAM      | 3       | 0         | 22.88                      | 22.84                         | 22.88                       |                    |          |  |
| 1.4             | 16QAM      | 3       | 1         | 22.91                      | 22.97                         | 23.01                       |                    |          |  |
| 1.4             | 16QAM      | 3       | 3         | 23.02                      | 22.99                         | 22.97                       | 23                 | 2        |  |
| 1.4             | 16QAM      | 6       | 1         | 21.99                      | 21.98                         | 22.02                       |                    |          |  |
| 1.4             | 64QAM      | 1       | 0         | 22.18                      | 22.10                         | 22.23                       |                    |          |  |
| 1.4             | 64QAM      | 1       | 3         | 22.09                      | 22.12                         | 22.03                       |                    |          |  |
| 1.4             | 64QAM      | 1       | 5         | 22.13                      | 22.17                         | 22.25                       | 23                 | 2        |  |
| 1.4             | 64QAM      | 3       | 0         | 21.92                      | 21.96                         | 21.93                       |                    |          |  |
| 1.4             | 64QAM      | 3       | 1         | 21.96                      | 21.98                         | 21.95                       |                    |          |  |
| 1.4             | 64QAM      | 3       | 3         | 22.04                      | 22.00                         | 22.06                       |                    |          |  |
| 1.4             | 64QAM      | 6       | 0         | 21.03                      | 20.95                         | 21.04                       | 22                 | 3        |  |
| 1.4             | 256QAM     | 1       | 0         | 18.63                      | 18.45                         | 18.57                       |                    |          |  |
| 1.4             | 256QAM     | 1       | 3         | 18.66                      | 18.64                         | 18.77                       |                    |          |  |
| 1.4             | 256QAM     | 1       | 5         | 18.50                      | 18.33                         | 18.50                       |                    |          |  |
| 1.4             | 256QAM     | 3       | 0         | 18.36                      | 18.69                         | 18.58                       | 20                 | 5        |  |
| 1.4             | 256QAM     | 3       | 1         | 18.67                      | 18.52                         | 18.73                       |                    |          |  |
| 1.4             | 256QAM     | 3       | 3         | 18.63                      | 18.56                         | 18.51                       |                    |          |  |
| 1.4             | 256QAM     | 6       | 0         | 18.44                      | 18.53                         | 18.62                       |                    |          |  |

## Band 13\_Ant 0

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           |                          |                           |                           | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                          |                           |                           |                        |             |
| 10              | QPSK       | 1       | 0         | 24.09                    | 24.09                     | 24.09                     | 25                     | 0           |
| 10              | QPSK       | 1       | 25        | 24.07                    | 24.07                     | 24.07                     |                        |             |
| 10              | QPSK       | 1       | 49        | 24.08                    | 24.08                     | 24.08                     |                        |             |
| 10              | QPSK       | 25      | 0         | 23.07                    | 23.07                     | 23.07                     |                        |             |
| 10              | QPSK       | 25      | 12        | 23.03                    | 23.03                     | 23.03                     | 24                     | 1           |
| 10              | QPSK       | 25      | 25        | 23.05                    | 23.05                     | 23.05                     |                        |             |
| 10              | QPSK       | 50      | 0         | 23.06                    | 23.06                     | 23.06                     |                        |             |
| 10              | 16QAM      | 1       | 0         | 23.42                    | 23.42                     | 23.42                     |                        |             |
| 10              | 16QAM      | 1       | 25        | 23.34                    | 23.34                     | 23.34                     | 24                     | 1           |
| 10              | 16QAM      | 1       | 49        | 23.35                    | 23.35                     | 23.35                     |                        |             |
| 10              | 16QAM      | 25      | 0         | 22.33                    | 22.33                     | 22.33                     |                        |             |
| 10              | 16QAM      | 25      | 12        | 22.06                    | 22.06                     | 22.06                     |                        |             |
| 10              | 16QAM      | 25      | 25        | 22.10                    | 22.10                     | 22.10                     | 23                     | 2           |
| 10              | 16QAM      | 50      | 0         | 22.08                    | 22.08                     | 22.08                     |                        |             |
| 10              | 64QAM      | 1       | 0         | 22.23                    | 22.23                     | 22.23                     |                        |             |
| 10              | 64QAM      | 1       | 25        | 22.18                    | 22.18                     | 22.18                     | 23                     | 2           |
| 10              | 64QAM      | 1       | 49        | 22.19                    | 22.19                     | 22.19                     |                        |             |
| 10              | 64QAM      | 25      | 0         | 21.06                    | 21.06                     | 21.06                     |                        |             |
| 10              | 64QAM      | 25      | 12        | 21.02                    | 21.02                     | 21.02                     |                        |             |
| 10              | 64QAM      | 25      | 25        | 21.07                    | 21.07                     | 21.07                     | 22                     | 3           |
| 10              | 64QAM      | 50      | 0         | 21.06                    | 21.06                     | 21.06                     |                        |             |
| 10              | 256QAM     | 1       | 0         | 18.64                    | 18.64                     | 18.64                     |                        |             |
| 10              | 256QAM     | 1       | 25        | 18.63                    | 18.63                     | 18.63                     | 20                     | 5           |
| 10              | 256QAM     | 1       | 49        | 18.34                    | 18.34                     | 18.34                     |                        |             |
| 10              | 256QAM     | 25      | 0         | 18.60                    | 18.60                     | 18.60                     |                        |             |
| 10              | 256QAM     | 25      | 12        | 18.43                    | 18.43                     | 18.43                     | 20                     | 5           |
| 10              | 256QAM     | 25      | 25        | 18.57                    | 18.57                     | 18.57                     |                        |             |
| 10              | 256QAM     | 50      | 0         | 18.56                    | 18.56                     | 18.56                     |                        |             |
| Channel         |            |         |           |                          |                           |                           | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                          |                           |                           |                        |             |
| 5               | QPSK       | 1       | 0         | 23.93                    | 23.96                     | 23.91                     | 25                     | 0           |
| 5               | QPSK       | 1       | 12        | 23.90                    | 23.90                     | 23.91                     |                        |             |
| 5               | QPSK       | 24      | 0         | 23.93                    | 23.96                     | 23.96                     |                        |             |
| 5               | QPSK       | 12      | 0         | 22.90                    | 22.90                     | 23.01                     |                        |             |
| 5               | QPSK       | 12      | 7         | 22.84                    | 22.87                     | 22.87                     | 24                     | 1           |
| 5               | QPSK       | 12      | 12        | 22.86                    | 22.87                     | 22.90                     |                        |             |
| 5               | QPSK       | 25      | 0         | 22.91                    | 22.89                     | 22.90                     |                        |             |
| 5               | 16QAM      | 1       | 0         | 23.33                    | 23.33                     | 23.33                     |                        |             |
| 5               | 16QAM      | 1       | 12        | 23.17                    | 23.26                     | 23.23                     | 24                     | 1           |
| 5               | 16QAM      | 1       | 24        | 23.22                    | 23.16                     | 23.21                     |                        |             |
| 5               | 16QAM      | 12      | 0         | 21.84                    | 21.84                     | 21.85                     |                        |             |
| 5               | 16QAM      | 12      | 7         | 21.92                    | 21.97                     | 22.00                     |                        |             |
| 5               | 16QAM      | 12      | 13        | 21.96                    | 21.94                     | 22.01                     | 23                     | 2           |
| 5               | 16QAM      | 25      | 0         | 21.97                    | 22.02                     | 22.02                     |                        |             |
| 5               | 64QAM      | 1       | 0         | 22.13                    | 22.14                     | 22.13                     |                        |             |
| 5               | 64QAM      | 1       | 12        | 22.07                    | 22.05                     | 22.05                     | 23                     | 2           |
| 5               | 64QAM      | 24      | 0         | 22.20                    | 22.20                     | 22.17                     |                        |             |
| 5               | 64QAM      | 12      | 0         | 21.00                    | 20.91                     | 20.96                     |                        |             |
| 5               | 64QAM      | 12      | 7         | 20.88                    | 20.91                     | 20.88                     |                        |             |
| 5               | 64QAM      | 12      | 13        | 21.00                    | 20.91                     | 20.94                     | 22                     | 3           |
| 5               | 64QAM      | 25      | 0         | 21.00                    | 20.89                     | 21.00                     |                        |             |
| 5               | 256QAM     | 1       | 0         | 18.34                    | 18.33                     | 18.33                     |                        |             |
| 5               | 256QAM     | 1       | 12        | 18.47                    | 18.53                     | 18.46                     | 20                     | 5           |
| 5               | 256QAM     | 1       | 24        | 18.28                    | 18.17                     | 18.17                     |                        |             |
| 5               | 256QAM     | 12      | 0         | 18.45                    | 18.45                     | 18.51                     |                        |             |
| 5               | 256QAM     | 12      | 7         | 18.35                    | 18.32                     | 18.34                     | 20                     | 5           |
| 5               | 256QAM     | 12      | 13        | 18.51                    | 18.38                     | 18.41                     |                        |             |
| 5               | 256QAM     | 25      | 0         | 18.39                    | 18.43                     | 18.40                     |                        |             |
| 5               | 256QAM     | 25      | 12        | 18.43                    | 18.43                     | 18.43                     |                        |             |

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| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Power High<br>Ch./Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|------------------------|-------------|
| Channel         |            |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |           | 23796                  | 23796                     | 23800                   |                        |             |
| 10              | QPSK       | 1       | 0         | 23.74                  | 23.75                     | 23.76                   |                        |             |
| 10              | QPSK       | 1       | 25        | 23.60                  | 23.70                     | 23.68                   | 25                     | 0           |
| 10              | QPSK       | 49      | 0         | 23.70                  | 23.73                     | 23.71                   |                        |             |
| 10              | QPSK       | 25      | 0         | 22.62                  | 22.70                     | 22.69                   |                        |             |
| 10              | QPSK       | 25      | 12        | 22.60                  | 22.67                     | 22.67                   | 24                     | 1           |
| 10              | QPSK       | 25      | 25        | 22.60                  | 22.66                     | 22.66                   |                        |             |
| 10              | QPSK       | 50      | 0         | 22.61                  | 22.67                     | 22.63                   |                        |             |
| 10              | 16QAM      | 1       | 0         | 23.00                  | 22.96                     | 22.97                   |                        |             |
| 10              | 16QAM      | 25      | 0         | 22.92                  | 22.99                     | 23.01                   | 24                     | 1           |
| 10              | 16QAM      | 1       | 49        | 23.09                  | 23.07                     | 23.07                   |                        |             |
| 10              | 16QAM      | 25      | 0         | 21.60                  | 21.61                     | 21.60                   |                        |             |
| 10              | 16QAM      | 25      | 12        | 21.64                  | 21.65                     | 21.64                   | 23                     | 2           |
| 10              | 16QAM      | 25      | 25        | 21.54                  | 21.58                     | 21.58                   |                        |             |
| 10              | 16QAM      | 50      | 0         | 21.60                  | 21.63                     | 21.60                   |                        |             |
| 10              | 64QAM      | 1       | 0         | 21.50                  | 21.55                     | 21.57                   |                        |             |
| 10              | 64QAM      | 1       | 25        | 21.70                  | 21.57                     | 21.56                   | 23                     | 2           |
| 10              | 64QAM      | 1       | 49        | 21.58                  | 22.05                     | 22.00                   |                        |             |
| 10              | 64QAM      | 25      | 0         | 20.60                  | 20.60                     | 20.64                   |                        |             |
| 10              | 64QAM      | 25      | 12        | 20.66                  | 20.68                     | 20.68                   | 22                     | 3           |
| 10              | 64QAM      | 25      | 25        | 20.64                  | 20.65                     | 20.69                   |                        |             |
| 10              | 64QAM      | 50      | 0         | 20.60                  | 20.64                     | 20.65                   |                        |             |
| 10              | 256QAM     | 1       | 0         | 18.68                  | 18.65                     | 18.60                   |                        |             |
| 10              | 256QAM     | 1       | 25        | 18.62                  | 18.67                     | 18.68                   | 20                     | 5           |
| 10              | 256QAM     | 1       | 49        | 18.63                  | 18.60                     | 18.65                   |                        |             |
| 10              | 256QAM     | 25      | 0         | 18.61                  | 18.62                     | 18.70                   | 20                     | 5           |
| 10              | 256QAM     | 25      | 12        | 18.77                  | 18.65                     | 18.63                   |                        |             |
| 10              | 256QAM     | 25      | 25        | 18.70                  | 18.63                     | 18.69                   |                        |             |
| 10              | 256QAM     | 50      | 0         | 18.61                  | 18.66                     | 18.73                   |                        |             |
| Channel         |            |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |           | 23796                  | 23796                     | 23805                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0         | 23.60                  | 23.65                     | 23.64                   |                        |             |
| 5               | QPSK       | 1       | 12        | 23.62                  | 23.69                     | 23.76                   | 25                     | 0           |
| 5               | QPSK       | 1       | 24        | 23.60                  | 23.65                     | 23.74                   |                        |             |
| 5               | QPSK       | 12      | 0         | 22.60                  | 22.67                     | 22.72                   |                        |             |
| 5               | QPSK       | 12      | 7         | 22.60                  | 22.68                     | 22.70                   | 24                     | 1           |
| 5               | QPSK       | 12      | 13        | 22.65                  | 22.68                     | 22.74                   |                        |             |
| 5               | QPSK       | 25      | 0         | 22.63                  | 22.67                     | 22.77                   |                        |             |
| 5               | 16QAM      | 1       | 0         | 22.89                  | 23.03                     | 23.02                   |                        |             |
| 5               | 16QAM      | 1       | 12        | 22.92                  | 23.03                     | 23.11                   | 24                     | 1           |
| 5               | 16QAM      | 1       | 24        | 23.01                  | 23.06                     | 23.02                   |                        |             |
| 5               | 16QAM      | 12      | 0         | 21.61                  | 21.62                     | 21.77                   |                        |             |
| 5               | 16QAM      | 12      | 7         | 21.65                  | 21.68                     | 21.74                   | 23                     | 2           |
| 5               | 16QAM      | 12      | 13        | 21.70                  | 21.72                     | 21.72                   |                        |             |
| 5               | 16QAM      | 25      | 0         | 21.66                  | 21.64                     | 21.75                   |                        |             |
| 5               | 64QAM      | 1       | 0         | 21.60                  | 21.62                     | 21.65                   |                        |             |
| 5               | 64QAM      | 1       | 12        | 21.71                  | 21.85                     | 21.85                   | 23                     | 2           |
| 5               | 64QAM      | 1       | 24        | 21.80                  | 21.77                     | 21.88                   | 21                     | 7           |
| 5               | 64QAM      | 12      | 0         | 20.65                  | 20.72                     | 20.80                   |                        |             |
| 5               | 64QAM      | 12      | 7         | 20.73                  | 20.73                     | 20.79                   | 22                     | 3           |
| 5               | 64QAM      | 12      | 13        | 20.73                  | 20.72                     | 20.76                   |                        |             |
| 5               | 64QAM      | 25      | 0         | 20.69                  | 20.65                     | 20.75                   |                        |             |
| 5               | 256QAM     | 1       | 0         | 18.62                  | 18.63                     | 18.60                   |                        |             |
| 5               | 256QAM     | 1       | 12        | 18.69                  | 18.67                     | 18.61                   | 20                     | 5           |
| 5               | 256QAM     | 1       | 24        | 18.65                  | 18.60                     | 18.64                   |                        |             |
| 5               | 256QAM     | 12      | 0         | 18.63                  | 18.65                     | 18.68                   |                        |             |
| 5               | 256QAM     | 12      | 7         | 18.64                  | 18.60                     | 18.66                   | 20                     | 5           |
| 5               | 256QAM     | 12      | 13        | 18.68                  | 18.60                     | 18.64                   |                        |             |
| 5               | 256QAM     | 25      | 0         | 18.63                  | 18.66                     | 18.66                   |                        |             |

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| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power<br>Low<br>Ch./Freq.<br>26140 | Power<br>Middle<br>Ch./Freq.<br>26340 | Power<br>High<br>Ch./Freq.<br>26590 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|------------------------------------|---------------------------------------|-------------------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           | 26140                              | 26340                                 | 26590                               |                        |             |
| 20              | QPSK       | 1       | 0       | 0         | 24.07                              | 24.16                                 | 24.15                               |                        |             |
| 20              | QPSK       | 1       | 49      | 0         | 24.03                              | 24.09                                 | 24.13                               | 24.5                   | 0           |
| 20              | QPSK       | 1       | 99      | 0         | 24.02                              | 23.99                                 | 24.05                               |                        |             |
| 20              | QPSK       | 50      | 0       | 0         | 23.12                              | 23.14                                 | 23.13                               |                        |             |
| 20              | QPSK       | 50      | 24      | 0         | 23.09                              | 23.12                                 | 23.10                               | 23.5                   | 1           |
| 20              | QPSK       | 50      | 50      | 0         | 23.11                              | 23.07                                 | 23.09                               |                        |             |
| 20              | QPSK       | 100     | 0       | 0         | 23.08                              | 23.11                                 | 23.10                               |                        |             |
| 20              | 16QAM      | 1       | 0       | 0         | 23.35                              | 23.32                                 | 23.37                               |                        |             |
| 20              | 16QAM      | 1       | 49      | 0         | 23.32                              | 23.48                                 | 23.21                               | 23.5                   | 1           |
| 20              | 16QAM      | 1       | 99      | 0         | 23.22                              | 23.29                                 | 23.20                               |                        |             |
| 20              | 16QAM      | 50      | 0       | 0         | 22.11                              | 22.15                                 | 22.14                               |                        |             |
| 20              | 16QAM      | 50      | 24      | 0         | 22.10                              | 22.12                                 | 22.12                               | 22.5                   | 2           |
| 20              | 16QAM      | 50      | 50      | 0         | 22.10                              | 22.05                                 | 22.12                               |                        |             |
| 20              | 16QAM      | 100     | 0       | 0         | 22.10                              | 22.09                                 | 22.13                               |                        |             |
| 20              | 64QAM      | 1       | 0       | 0         | 22.25                              | 22.24                                 | 22.34                               |                        |             |
| 20              | 64QAM      | 1       | 49      | 0         | 22.27                              | 22.37                                 | 22.32                               | 22.5                   | 2           |
| 20              | 64QAM      | 1       | 99      | 0         | 22.22                              | 22.11                                 | 22.22                               |                        |             |
| 20              | 64QAM      | 50      | 0       | 0         | 21.13                              | 21.16                                 | 21.12                               |                        |             |
| 20              | 64QAM      | 50      | 24      | 0         | 21.10                              | 21.12                                 | 21.17                               | 21.5                   | 3           |
| 20              | 64QAM      | 50      | 50      | 0         | 21.12                              | 21.08                                 | 21.10                               |                        |             |
| 20              | 64QAM      | 100     | 0       | 0         | 21.10                              | 21.11                                 | 21.14                               |                        |             |
| 20              | 256QAM     | 1       | 0       | 0         | 18.82                              | 18.74                                 | 18.77                               |                        |             |
| 20              | 256QAM     | 1       | 49      | 0         | 18.84                              | 18.77                                 | 18.81                               | 19.5                   | 5           |
| 20              | 256QAM     | 1       | 99      | 0         | 18.69                              | 18.63                                 | 18.77                               |                        |             |
| 20              | 256QAM     | 50      | 0       | 0         | 18.69                              | 18.85                                 | 18.81                               |                        |             |
| 20              | 256QAM     | 50      | 24      | 0         | 18.82                              | 18.77                                 | 18.84                               | 19.5                   | 5           |
| 20              | 256QAM     | 50      | 50      | 0         | 18.67                              | 18.83                                 | 18.70                               |                        |             |
| 20              | 256QAM     | 100     | 0       | 0         | 18.71                              | 18.83                                 | 18.69                               |                        |             |
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           | 26118                              | 26350                                 | 26615                               | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 0       | 0         | 23.93                              | 24.09                                 | 23.96                               |                        |             |
| 15              | QPSK       | 1       | 37      | 0         | 23.89                              | 23.93                                 | 23.97                               | 24.5                   | 0           |
| 15              | QPSK       | 1       | 74      | 0         | 23.88                              | 23.84                                 | 23.99                               |                        |             |
| 15              | QPSK       | 36      | 0       | 0         | 23.88                              | 23.88                                 | 23.95                               |                        |             |
| 15              | QPSK       | 36      | 20      | 0         | 23.92                              | 23.97                                 | 23.90                               | 23.5                   | 1           |
| 15              | QPSK       | 36      | 39      | 0         | 23.94                              | 23.99                                 | 23.98                               |                        |             |
| 15              | QPSK       | 75      | 0       | 0         | 22.80                              | 23.05                                 | 23.05                               |                        |             |
| 15              | 16QAM      | 1       | 0       | 0         | 23.24                              | 23.24                                 | 23.18                               |                        |             |
| 15              | 16QAM      | 1       | 37      | 0         | 23.24                              | 23.26                                 | 23.13                               | 23.5                   | 1           |
| 15              | 16QAM      | 1       | 74      | 0         | 23.10                              | 23.22                                 | 23.10                               |                        |             |
| 15              | 16QAM      | 36      | 0       | 0         | 22.04                              | 22.09                                 | 22.01                               |                        |             |
| 15              | 16QAM      | 36      | 20      | 0         | 22.02                              | 21.94                                 | 22.04                               | 22.5                   | 2           |
| 15              | 16QAM      | 36      | 14      | 0         | 21.92                              | 21.86                                 | 21.86                               |                        |             |
| 15              | 16QAM      | 75      | 0       | 0         | 22.03                              | 21.90                                 | 21.94                               |                        |             |
| 15              | 64QAM      | 1       | 0       | 0         | 22.17                              | 22.17                                 | 22.27                               |                        |             |
| 15              | 64QAM      | 1       | 37      | 0         | 22.08                              | 22.18                                 | 22.18                               | 22.5                   | 2           |
| 15              | 64QAM      | 1       | 74      | 0         | 22.10                              | 21.98                                 | 22.10                               |                        |             |
| 15              | 64QAM      | 36      | 0       | 0         | 21.07                              | 20.96                                 | 21.04                               |                        |             |
| 15              | 64QAM      | 36      | 20      | 0         | 20.97                              | 21.00                                 | 21.10                               | 21.5                   | 3           |
| 15              | 64QAM      | 36      | 39      | 0         | 20.94                              | 20.88                                 | 21.02                               |                        |             |
| 15              | 64QAM      | 75      | 0       | 0         | 20.92                              | 20.93                                 | 21.05                               |                        |             |
| 15              | 256QAM     | 1       | 0       | 0         | 18.72                              | 18.62                                 | 18.61                               |                        |             |
| 15              | 256QAM     | 1       | 37      | 0         | 18.75                              | 18.58                                 | 18.68                               | 19.5                   | 5           |
| 15              | 256QAM     | 1       | 74      | 0         | 18.64                              | 18.62                                 | 18.65                               |                        |             |
| 15              | 256QAM     | 36      | 0       | 0         | 18.52                              | 18.77                                 | 18.70                               |                        |             |
| 15              | 256QAM     | 36      | 20      | 0         | 18.76                              | 18.70                                 | 18.65                               | 19.5                   | 5           |
| 15              | 256QAM     | 36      | 14      | 0         | 18.77                              | 18.73                                 | 18.69                               |                        |             |
| 15              | 256QAM     | 75      | 0       | 0         | 18.58                              | 18.73                                 | 18.70                               |                        |             |
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           | 26090                              | 26340                                 | 26640                               | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 0       | 0         | 23.92                              | 24.10                                 | 24.08                               |                        |             |
| 10              | QPSK       | 1       | 12      | 0         | 23.83                              | 23.96                                 | 23.95                               | 24.5                   | 0           |
| 10              | QPSK       | 1       | 25      | 0         | 23.94                              | 23.84                                 | 23.90                               |                        |             |
| 10              | QPSK       | 25      | 0       | 0         | 23.00                              | 23.03                                 | 23.07                               |                        |             |
| 10              | QPSK       | 25      | 12      | 0         | 22.94                              | 23.03                                 | 23.05                               | 23.5                   | 1           |
| 10              | QPSK       | 25      | 25      | 0         | 23.05                              | 22.95                                 | 22.98                               |                        |             |
| 10              | QPSK       | 50      | 0       | 0         | 22.91                              | 23.01                                 | 22.92                               |                        |             |
| 10              | 16QAM      | 1       | 0       | 0         | 23.26                              | 23.19                                 | 23.29                               | 23.5                   | 1           |
| 10              | 16QAM      | 1       | 25      | 0         | 23.20                              | 23.31                                 | 23.14                               |                        |             |
| 10              | 16QAM      | 1       | 49      | 0         | 23.08                              | 23.10                                 | 23.09                               |                        |             |
| 10              | 16QAM      | 25      | 0       | 0         | 22.01                              | 22.01                                 | 22.08                               |                        |             |
| 10              | 16QAM      | 25      | 12      | 0         | 22.00                              | 21.95                                 | 22.04                               | 22.5                   | 2           |
| 10              | 16QAM      | 25      | 25      | 0         | 22.01                              | 21.82                                 | 21.87                               |                        |             |
| 10              | 16QAM      | 50      | 0       | 0         | 22.02                              | 22.02                                 | 21.98                               |                        |             |
| 10              | 64QAM      | 1       | 0       | 0         | 22.08                              | 22.11                                 | 22.25                               |                        |             |
| 10              | 64QAM      | 1       | 25      | 0         | 22.12                              | 22.29                                 | 22.23                               | 22.5                   | 2           |
| 10              | 64QAM      | 1       | 49      | 0         | 22.10                              | 21.96                                 | 22.04                               |                        |             |
| 10              | 64QAM      | 25      | 0       | 0         | 20.98                              | 21.02                                 | 20.94                               |                        |             |
| 10              | 64QAM      | 25      | 12      | 0         | 20.94                              | 21.01                                 | 20.98                               | 21.5                   | 3           |
| 10              | 64QAM      | 25      | 25      | 0         | 21.04                              | 20.96                                 | 20.93                               |                        |             |
| 10              | 64QAM      | 50      | 0       | 0         | 20.93                              | 20.94                                 | 20.97                               |                        |             |
| 10              | 256QAM     | 1       | 0       | 0         | 18.72                              | 18.62                                 | 18.61                               |                        |             |
| 10              | 256QAM     | 1       | 25      | 0         | 18.67                              | 18.70                                 | 18.53                               | 19.5                   | 5           |
| 10              | 256QAM     | 1       | 49      | 0         | 18.62                              | 18.62                                 | 18.69                               |                        |             |
| 10              | 256QAM     | 25      | 0       | 0         | 18.61                              | 18.75                                 | 18.69                               |                        |             |
| 10              | 256QAM     | 25      | 12      | 0         | 18.74                              | 18.62                                 | 18.65                               | 19.5                   | 5           |
| 10              | 256QAM     | 25      | 25      | 0         | 18.75                              | 18.75                                 | 18.65                               |                        |             |
| 10              | 256QAM     | 50      | 0       | 0         | 18.60                              | 18.64                                 | 18.63                               |                        |             |
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           | 26065                              | 26340                                 | 26665                               | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0       | 0         | 23.91                              | 23.97                                 | 24.03                               |                        |             |
| 5               | QPSK       | 1       | 12      | 0         | 23.86                              | 23.97                                 | 24.01                               | 24.5                   | 0           |
| 5               | QPSK       | 1       | 25      | 0         | 23.95                              | 23.85                                 | 23.92                               |                        |             |
| 5               | QPSK       | 12      | 0       | 0         | 22.84                              | 23.03                                 | 23.08                               |                        |             |
| 5               | QPSK       | 12      | 7       | 0         | 22.67                              | 23.02                                 | 22.96                               | 23.5                   | 1           |
| 5               | QPSK       | 12      | 13      | 0         | 22.93                              | 23.07                                 | 23.02                               |                        |             |
| 5               | QPSK       | 25      | 0       | 0         | 22.09                              | 23.03                                 | 23.01                               |                        |             |
| 5               | 16QAM      | 1       | 0       | 0         | 23.29                              | 23.14                                 | 23.28                               |                        |             |
| 5               | 16QAM      | 1       | 12      | 0         | 23.25                              | 23.37                                 | 23.02                               | 23.5                   | 1           |
| 5               | 16QAM      | 1       | 24      | 0         | 23.16                              | 23.23                                 | 23.07                               |                        |             |
| 5               | 16QAM      | 12      | 0       | 0         | 22.03                              | 22.07                                 | 22.04                               |                        |             |
| 5               | 16QAM      | 12      | 7       | 0         | 22.02                              | 22.08                                 | 22.05                               | 22.5                   | 2           |
| 5               | 16QAM      | 12      | 13      | 0         | 21.94                              | 21.88                                 | 22.08                               |                        |             |
| 5               | 16QAM      | 25      | 0       | 0         | 21.82                              | 21.93                                 | 22.06                               |                        |             |
| 5               | 64QAM      | 1       | 0       | 0         | 22.12                              | 22.09                                 | 22.15                               |                        |             |
| 5               | 64QAM      | 1       | 12      | 0         | 22.09                              | 22.23                                 | 22.26                               | 22.5                   | 2           |
| 5               | 64QAM      | 1       | 24      | 0         | 22.15                              | 21.97                                 | 22.04                               |                        |             |
| 5               | 64QAM      | 12      | 0       | 0         | 20.99                              | 21.09                                 | 21.03                               |                        |             |
| 5               | 64QAM      | 12      | 7       | 0         | 21.00                              | 20.93                                 | 21.08                               | 21.5                   | 3           |
| 5               | 64QAM      | 12      | 13      | 0         | 20.91                              | 21.06                                 | 21.06                               |                        |             |
| 5               | 256QAM     | 1       | 0       | 0         | 18.70                              | 18.63                                 | 18.64                               |                        |             |
| 5               | 256QAM     | 1       | 12      | 0         | 18.68                              | 18.58                                 | 18.66                               | 19.5                   | 5           |
| 5               | 256QAM     | 1       | 24      | 0         | 18.63                              | 18.49                                 | 18.67                               |                        |             |
| 5               | 256QAM     | 12      | 0       | 0         | 18.67                              | 18.69                                 | 18.61                               |                        |             |
| 5               | 256QAM     | 12      | 7       | 0         | 18.65                              | 18.65                                 | 18.81                               | 19.5                   | 5           |
| 5               | 256QAM     | 12      | 13      | 0         | 18.67                              | 18.66                                 | 18.60                               |                        |             |
| 5               | 256QAM     | 25      | 0       | 0         | 18.62                              | 18.67                                 | 18.62                               |                        |             |
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           | 26070                              | 26340                                 | 26670                               | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 1.4             | QPSK       | 1       | 0       | 0         | 23.91                              | 24.07                                 | 24.03                               |                        |             |
| 1.4             | QPSK       | 1       | 3       | 0         | 23.86                              | 23.99                                 | 23.95                               | 24.5                   | 0           |
| 1.4             | QPSK       | 1       | 14      | 0         | 23.87                              | 23.83                                 | 23.95                               |                        |             |
| 1.4             | QPSK       | 8       | 0       | 0         | 22.88                              | 23.00                                 | 23.07                               |                        |             |
| 1.4             | QPSK       | 8       | 4       | 0         | 22.96                              | 23.03                                 | 22.93                               | 23.5                   | 1           |
| 1.4             | QPSK       | 8       | 7       | 0         | 23.03                              | 23.07                                 | 22.97                               |                        |             |
| 1.4             | QPSK       | 16      | 0       | 0         | 22.89                              | 23.01                                 | 23.06                               |                        |             |
| 1.4             | 16QAM      | 1       | 0       | 0         | 23.16                              | 23.15                                 | 23.24                               |                        |             |
| 1.4             | 16QAM      | 1       | 8       | 0         | 23.20                              | 23.35                                 | 23.02                               | 23.5                   | 1           |
| 1.4             | 16QAM      | 1       | 14      | 0         | 23.13                              | 23.14                                 | 23.13                               |                        |             |
| 1.4             | 16QAM      | 8       | 0       | 0         | 21.96                              | 22.08                                 | 21.99                               |                        |             |
| 1.4             | 16QAM      | 8       | 4       | 0         | 22.01                              | 22.03                                 | 22.11                               | 22.5                   | 2           |
| 1.4             | 16QAM      | 8       | 7       | 0         | 21.97                              | 21.87                                 | 22.04                               |                        |             |
| 1.4             | 16QAM      | 16      | 0       | 0         | 21.99                              | 21.95                                 | 22.06                               |                        |             |
| 1.4             | 64QAM      | 1       | 0       | 0         | 22.14                              | 22.17                                 | 22.26                               |                        |             |
| 1.4             | 64QAM      | 1       | 3       | 0         | 22.16                              | 22.21                                 | 22.16                               | 22.5                   | 2           |
| 1.4             | 64QAM      | 1       | 14      | 0         | 22.11                              | 21.98                                 | 22.11                               |                        |             |
| 1.4             | 64QAM      | 8       | 0       | 0         | 21.60                              | 21.64                                 | 21.63                               |                        |             |
| 1.4             | 64QAM      | 8       | 4       | 0         | 21.61                              | 20.97                                 | 21.08                               | 21.5                   | 3           |
| 1.4             | 64QAM      | 8       | 7       | 0         | 21.65                              | 20.94                                 | 21.02                               |                        |             |
| 1.4             | 64QAM      | 16      | 0       | 0         | 20.99                              | 21.07                                 | 21.06                               |                        |             |
| 1.4             | 256QAM     | 1       | 0       | 0         | 18.65                              | 18.58                                 | 18.67                               |                        |             |
| 1.4             | 256QAM     | 1       | 8       | 0         | 18.62                              | 18.61                                 | 18.66                               | 19.5                   | 5           |
| 1.4             | 256QAM     | 1       | 14      | 0         | 18.65                              | 18.50                                 | 18.65                               |                        |             |
| 1.4             | 256QAM     | 8       | 0       | 0         | 18.61                              | 18.75                                 | 18.68                               |                        |             |
| 1.4             | 256QAM     | 8       | 4       | 0         | 18.62                              | 18.62                                 | 18.85                               | 19.5                   | 5           |
| 1.4             | 256QAM     | 8       | 7       | 0         | 18.69                              | 18.67                                 | 18.65                               |                        |             |
| 1.4             | 256QAM     | 16      | 0       | 0         | 18.63                              | 18.77                                 | 18.72                               |                        |             |
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           | 26083                              | 26340                                 | 26683                               | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 1.4             | QPSK       | 1       | 0       | 0         | 23.89                              | 24.07                                 | 23.97                               |                        |             |
| 1.4             | QPSK       | 1       | 3       | 0         | 23.86                              | 23.99                                 | 23.95                               | 24.5                   | 0           |
| 1.4             | QPSK       | 1       | 14      | 0         | 23.87                              | 23.80                                 | 23.97                               |                        |             |
| 1.4             | QPSK       | 8       | 0       | 0         | 22.88                              | 23.00                                 | 23.07                               |                        |             |
| 1.4             | QPSK       | 8       | 4       | 0         | 22.96                              | 23.03                                 | 22.93                               | 23.5                   | 1           |
| 1.4             | QPSK       | 8       | 7       | 0         | 23.03                              | 23.07                                 | 22.97                               |                        |             |
| 1.4             | QPSK       | 16      | 0       | 0         | 22.89                              | 23.01                                 | 23.06                               |                        |             |
| 1.4             | 16QAM      | 1       | 0       | 0         | 23.16                              | 23.15                                 | 23.24                               |                        |             |
| 1.4             | 16QAM      | 1       | 8       | 0         | 23.20                              | 23.35                                 | 23.02                               | 23.5                   | 1           |
| 1.4             | 16QAM      | 1       | 14      | 0         | 23.13                              | 23.14                                 | 23.13                               |                        |             |
| 1.4             |            |         |         |           |                                    |                                       |                                     |                        |             |

Band 26\_Ant 0

| BW (MHz)                | Modulation | RB Size | RB Offset | Power Low Ch / Freq 26075 | Power Mode Ch / Freq 26085 | Power High Ch / Freq 26095 | Tune-up limit (dBm) | MPR (dB) |
|-------------------------|------------|---------|-----------|---------------------------|----------------------------|----------------------------|---------------------|----------|
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 15                      | QPSK       | 1       | 0         | 821.5                     | 831.5                      | 841.5                      |                     |          |
| 15                      | QPSK       | 1       | 37        | 24.11                     | 24.17                      | 24.01                      | 25                  | 0        |
| 15                      | QPSK       | 1       | 74        | 24.02                     | 24.02                      | 24.08                      |                     |          |
| 15                      | QPSK       | 36      | 0         | 23.00                     | 23.00                      | 23.00                      |                     |          |
| 15                      | QPSK       | 36      | 20        | 22.91                     | 23.00                      | 22.99                      | 24                  | 1        |
| 15                      | QPSK       | 36      | 38        | 22.98                     | 23.00                      | 22.98                      |                     |          |
| 15                      | QPSK       | 75      | 0         | 23.01                     | 23.04                      | 22.98                      |                     |          |
| 15                      | 16QAM      | 1       | 0         | 23.08                     | 23.24                      | 23.16                      |                     |          |
| 15                      | 16QAM      | 1       | 37        | 23.12                     | 23.39                      | 23.32                      | 24                  | 1        |
| 15                      | 16QAM      | 1       | 74        | 23.21                     | 23.27                      | 23.19                      |                     |          |
| 15                      | 16QAM      | 36      | 0         | 21.94                     | 22.00                      | 22.03                      |                     |          |
| 15                      | 16QAM      | 36      | 20        | 21.94                     | 21.96                      | 22.00                      |                     |          |
| 15                      | 16QAM      | 36      | 38        | 21.98                     | 22.00                      | 21.94                      | 23                  | 2        |
| 15                      | 16QAM      | 75      | 0         | 21.97                     | 22.08                      | 21.97                      |                     |          |
| 15                      | 64QAM      | 1       | 0         | 22.05                     | 22.15                      | 22.20                      |                     |          |
| 15                      | 64QAM      | 1       | 37        | 22.34                     | 22.34                      | 22.27                      | 23                  | 2        |
| 15                      | 64QAM      | 1       | 74        | 22.18                     | 22.09                      | 22.06                      |                     |          |
| 15                      | 64QAM      | 36      | 0         | 21.05                     | 21.10                      | 21.01                      |                     |          |
| 15                      | 64QAM      | 36      | 20        | 21.09                     | 21.08                      | 21.08                      | 22                  | 3        |
| 15                      | 64QAM      | 36      | 38        | 21.08                     | 21.03                      | 21.02                      |                     |          |
| 15                      | 64QAM      | 75      | 0         | 21.09                     | 21.10                      | 21.01                      |                     |          |
| 15                      | 256QAM     | 1       | 0         | 18.80                     | 18.76                      | 18.77                      |                     |          |
| 15                      | 256QAM     | 1       | 37        | 18.82                     | 18.79                      | 18.80                      | 20                  | 5        |
| 15                      | 256QAM     | 1       | 74        | 18.73                     | 18.67                      | 18.83                      |                     |          |
| 15                      | 256QAM     | 36      | 0         | 18.68                     | 18.88                      | 18.83                      |                     |          |
| 15                      | 256QAM     | 36      | 20        | 18.87                     | 18.80                      | 18.86                      |                     |          |
| 15                      | 256QAM     | 36      | 38        | 18.85                     | 18.79                      | 18.71                      | 20                  | 5        |
| 15                      | 256QAM     | 75      | 0         | 18.71                     | 18.81                      | 18.80                      |                     |          |
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 10                      | QPSK       | 1       | 0         | 818                       | 831.5                      | 844                        | Tune-up limit (dBm) | MPR (dB) |
| 10                      | QPSK       | 1       | 0         | 23.97                     | 24.02                      | 24.06                      | 25                  | 0        |
| 10                      | QPSK       | 1       | 37        | 23.88                     | 23.93                      | 23.89                      |                     |          |
| 10                      | QPSK       | 1       | 49        | 24.11                     | 23.97                      | 24.04                      |                     |          |
| 10                      | QPSK       | 12      | 0         | 22.97                     | 23.03                      | 22.98                      |                     |          |
| 10                      | QPSK       | 25      | 0         | 22.89                     | 22.93                      | 22.96                      | 24                  | 1        |
| 10                      | QPSK       | 25      | 25        | 22.86                     | 23.04                      | 22.89                      |                     |          |
| 10                      | 16QAM      | 1       | 0         | 22.93                     | 22.89                      | 22.91                      |                     |          |
| 10                      | 16QAM      | 1       | 0         | 23.07                     | 23.25                      | 23.22                      |                     |          |
| 10                      | 16QAM      | 1       | 25        | 23.12                     | 23.12                      | 23.17                      | 24                  | 1        |
| 10                      | 16QAM      | 1       | 49        | 23.09                     | 23.11                      | 23.03                      |                     |          |
| 10                      | 16QAM      | 25      | 0         | 21.89                     | 22.02                      | 21.89                      |                     |          |
| 10                      | 16QAM      | 25      | 12        | 21.89                     | 21.97                      | 21.88                      | 23                  | 2        |
| 10                      | 16QAM      | 25      | 25        | 21.86                     | 22.04                      | 21.82                      |                     |          |
| 10                      | 16QAM      | 50      | 0         | 21.97                     | 22.04                      | 21.90                      |                     |          |
| 10                      | 64QAM      | 1       | 0         | 22.13                     | 22.19                      | 22.25                      | 23                  | 2        |
| 10                      | 64QAM      | 1       | 25        | 21.87                     | 22.07                      | 22.08                      |                     |          |
| 10                      | 64QAM      | 1       | 49        | 22.09                     | 22.10                      | 22.24                      |                     |          |
| 10                      | 64QAM      | 25      | 0         | 21.97                     | 22.07                      | 21.91                      |                     |          |
| 10                      | 64QAM      | 25      | 12        | 21.92                     | 21.91                      | 21.93                      | 22                  | 3        |
| 10                      | 64QAM      | 25      | 25        | 20.95                     | 21.09                      | 20.93                      |                     |          |
| 10                      | 64QAM      | 50      | 0         | 21.01                     | 21.13                      | 21.07                      |                     |          |
| 10                      | 256QAM     | 1       | 0         | 18.82                     | 18.85                      | 18.80                      | 20                  | 5        |
| 10                      | 256QAM     | 1       | 25        | 18.78                     | 18.73                      | 18.81                      |                     |          |
| 10                      | 256QAM     | 1       | 49        | 18.81                     | 18.70                      | 18.85                      |                     |          |
| 10                      | 256QAM     | 25      | 0         | 18.73                     | 18.86                      | 18.88                      |                     |          |
| 10                      | 256QAM     | 25      | 12        | 18.86                     | 18.82                      | 18.83                      | 20                  | 5        |
| 10                      | 256QAM     | 25      | 25        | 18.79                     | 18.80                      | 18.81                      |                     |          |
| 10                      | 256QAM     | 50      | 0         | 18.76                     | 18.84                      | 18.86                      |                     |          |
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 5                       | QPSK       | 1       | 0         | 816.5                     | 831.5                      | 846.5                      | Tune-up limit (dBm) | MPR (dB) |
| 5                       | QPSK       | 1       | 0         | 23.87                     | 23.91                      | 24.00                      | 25                  | 0        |
| 5                       | QPSK       | 1       | 12        | 23.82                     | 23.86                      | 23.83                      |                     |          |
| 5                       | QPSK       | 1       | 24        | 23.92                     | 23.82                      | 23.93                      |                     |          |
| 5                       | QPSK       | 12      | 0         | 22.85                     | 22.89                      | 22.78                      |                     |          |
| 5                       | QPSK       | 12      | 7         | 22.70                     | 22.85                      | 22.82                      | 24                  | 1        |
| 5                       | QPSK       | 12      | 13        | 22.72                     | 22.86                      | 22.75                      |                     |          |
| 5                       | QPSK       | 25      | 0         | 22.83                     | 22.83                      | 22.77                      |                     |          |
| 5                       | 16QAM      | 1       | 0         | 22.89                     | 23.09                      | 23.03                      | 24                  | 1        |
| 5                       | 16QAM      | 1       | 12        | 22.94                     | 22.99                      | 23.10                      |                     |          |
| 5                       | 16QAM      | 1       | 24        | 22.92                     | 23.10                      | 22.98                      |                     |          |
| 5                       | 16QAM      | 12      | 0         | 21.87                     | 21.95                      | 21.71                      |                     |          |
| 5                       | 16QAM      | 12      | 7         | 21.83                     | 21.84                      | 21.88                      | 23                  | 2        |
| 5                       | 16QAM      | 12      | 13        | 21.77                     | 21.86                      | 21.86                      |                     |          |
| 5                       | 16QAM      | 25      | 0         | 21.78                     | 21.85                      | 21.76                      |                     |          |
| 5                       | 64QAM      | 1       | 0         | 21.96                     | 22.00                      | 22.08                      | 23                  | 2        |
| 5                       | 64QAM      | 1       | 12        | 21.91                     | 21.93                      | 21.95                      |                     |          |
| 5                       | 64QAM      | 1       | 24        | 21.88                     | 21.87                      | 22.18                      |                     |          |
| 5                       | 64QAM      | 12      | 0         | 20.93                     | 20.94                      | 20.90                      |                     |          |
| 5                       | 64QAM      | 12      | 7         | 20.85                     | 20.87                      | 20.87                      | 22                  | 3        |
| 5                       | 64QAM      | 12      | 13        | 20.89                     | 21.01                      | 20.74                      |                     |          |
| 5                       | 256QAM     | 1       | 0         | 20.97                     | 21.03                      | 20.93                      |                     |          |
| 5                       | 256QAM     | 1       | 1         | 18.75                     | 18.71                      | 18.71                      | 20                  | 5        |
| 5                       | 256QAM     | 1       | 12        | 18.62                     | 18.65                      | 18.79                      |                     |          |
| 5                       | 256QAM     | 1       | 24        | 18.65                     | 18.67                      | 18.77                      |                     |          |
| 5                       | 256QAM     | 12      | 0         | 18.62                     | 18.79                      | 18.69                      |                     |          |
| 5                       | 256QAM     | 12      | 7         | 18.69                     | 18.71                      | 18.77                      | 20                  | 5        |
| 5                       | 256QAM     | 12      | 13        | 18.70                     | 18.62                      | 18.67                      |                     |          |
| 5                       | 256QAM     | 25      | 0         | 18.64                     | 18.77                      | 18.74                      |                     |          |
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 3                       | QPSK       | 1       | 0         | 815.5                     | 831.5                      | 847.5                      | Tune-up limit (dBm) | MPR (dB) |
| 3                       | QPSK       | 1       | 0         | 23.87                     | 23.95                      | 23.88                      | 25                  | 0        |
| 3                       | QPSK       | 1       | 8         | 23.71                     | 23.78                      | 23.81                      |                     |          |
| 3                       | QPSK       | 1       | 14        | 23.89                     | 23.78                      | 23.85                      |                     |          |
| 3                       | QPSK       | 8       | 0         | 22.85                     | 22.88                      | 22.74                      |                     |          |
| 3                       | QPSK       | 8       | 4         | 22.73                     | 22.79                      | 22.75                      | 24                  | 1        |
| 3                       | QPSK       | 8       | 7         | 22.70                     | 22.91                      | 22.80                      |                     |          |
| 3                       | QPSK       | 15      | 0         | 22.78                     | 22.88                      | 22.83                      |                     |          |
| 3                       | 16QAM      | 1       | 0         | 22.89                     | 23.03                      | 23.05                      | 24                  | 1        |
| 3                       | 16QAM      | 1       | 8         | 22.98                     | 22.93                      | 23.05                      |                     |          |
| 3                       | 16QAM      | 1       | 14        | 22.90                     | 23.02                      | 22.97                      |                     |          |
| 3                       | 16QAM      | 8       | 0         | 21.80                     | 21.83                      | 21.76                      |                     |          |
| 3                       | 16QAM      | 8       | 4         | 21.79                     | 21.84                      | 21.91                      | 23                  | 2        |
| 3                       | 16QAM      | 8       | 7         | 21.73                     | 21.94                      | 21.73                      |                     |          |
| 3                       | 16QAM      | 15      | 0         | 21.79                     | 21.89                      | 21.73                      |                     |          |
| 3                       | 64QAM      | 1       | 0         | 22.05                     | 22.04                      | 22.12                      | 23                  | 2        |
| 3                       | 64QAM      | 1       | 8         | 21.93                     | 21.96                      | 21.93                      |                     |          |
| 3                       | 64QAM      | 1       | 14        | 21.95                     | 21.86                      | 22.12                      |                     |          |
| 3                       | 64QAM      | 8       | 0         | 20.89                     | 20.99                      | 20.88                      |                     |          |
| 3                       | 64QAM      | 8       | 4         | 20.85                     | 20.87                      | 20.81                      | 22                  | 3        |
| 3                       | 64QAM      | 8       | 7         | 20.79                     | 20.91                      | 20.80                      |                     |          |
| 3                       | 64QAM      | 15      | 0         | 20.91                     | 20.96                      | 20.91                      |                     |          |
| 3                       | 256QAM     | 1       | 0         | 18.75                     | 18.79                      | 18.67                      | 20                  | 5        |
| 3                       | 256QAM     | 1       | 8         | 18.69                     | 18.62                      | 18.84                      |                     |          |
| 3                       | 256QAM     | 1       | 14        | 18.46                     | 18.58                      | 18.69                      |                     |          |
| 3                       | 256QAM     | 8       | 0         | 18.57                     | 18.79                      | 18.76                      |                     |          |
| 3                       | 256QAM     | 8       | 4         | 18.62                     | 18.71                      | 18.69                      | 20                  | 5        |
| 3                       | 256QAM     | 8       | 7         | 18.62                     | 18.66                      | 18.63                      |                     |          |
| 3                       | 256QAM     | 15      | 0         | 18.65                     | 18.77                      | 18.74                      |                     |          |
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 1.4                     | QPSK       | 1       | 0         | 23.92                     | 24.02                      | 24.02                      | Tune-up limit (dBm) | MPR (dB) |
| 1.4                     | QPSK       | 1       | 3         | 23.88                     | 24.02                      | 23.89                      | 25                  | 0        |
| 1.4                     | QPSK       | 1       | 6         | 24.01                     | 24.01                      | 23.89                      |                     |          |
| 1.4                     | QPSK       | 3       | 0         | 23.93                     | 23.97                      | 23.99                      |                     |          |
| 1.4                     | QPSK       | 3       | 1         | 23.96                     | 23.93                      | 23.99                      |                     |          |
| 1.4                     | QPSK       | 3       | 3         | 23.97                     | 23.96                      | 24.02                      | 24                  | 1        |
| 1.4                     | QPSK       | 6       | 0         | 22.96                     | 22.97                      | 23.01                      |                     |          |
| 1.4                     | 16QAM      | 1       | 0         | 23.07                     | 23.18                      | 23.22                      |                     |          |
| 1.4                     | 16QAM      | 1       | 3         | 23.17                     | 23.07                      | 23.17                      | 24                  | 1        |
| 1.4                     | 16QAM      | 1       | 5         | 23.11                     | 23.09                      | 23.04                      |                     |          |
| 1.4                     | 16QAM      | 3       | 0         | 23.00                     | 23.03                      | 23.09                      |                     |          |
| 1.4                     | 16QAM      | 3       | 1         | 22.94                     | 22.92                      | 22.95                      |                     |          |
| 1.4                     | 16QAM      | 6       | 0         | 22.92                     | 22.95                      | 23.07                      | 23                  | 2        |
| 1.4                     | 64QAM      | 1       | 0         | 22.04                     | 22.11                      | 22.09                      |                     |          |
| 1.4                     | 64QAM      | 1       | 3         | 22.01                     | 22.11                      | 22.13                      |                     |          |
| 1.4                     | 64QAM      | 1       | 5         | 22.02                     | 22.12                      | 22.08                      |                     |          |
| 1.4                     | 64QAM      | 3       | 0         | 22.05                     | 22.09                      | 22.05                      | 23                  | 2        |
| 1.4                     | 64QAM      | 3       | 1         | 22.10                     | 22.07                      | 22.01                      |                     |          |
| 1.4                     | 64QAM      | 3       | 3         | 22.02                     | 22.07                      | 22.09                      |                     |          |
| 1.4                     | 64QAM      | 6       | 0         | 22.04                     | 22.13                      | 22.06                      |                     |          |
| 1.4                     | 64QAM      | 6       | 0         | 21.04                     | 21.07                      | 21.09                      | 22                  | 3        |
| 1.4                     | 256QAM     | 1       | 0         | 18.63                     | 18.73                      | 18.63                      |                     |          |
| 1.4                     | 256QAM     | 1       | 3         | 18.62                     | 18.57                      | 18.64                      |                     |          |
| 1.4                     | 256QAM     | 1       | 5         | 18.45                     | 18.51                      | 18.62                      | 20                  | 5        |
| 1.4                     | 256QAM     | 3       | 0         | 18.57                     | 18.70                      | 18.70                      |                     |          |
| 1.4                     | 256QAM     | 3       | 1         | 18.66                     | 18.76                      | 18.70                      |                     |          |
| 1.4                     | 256QAM     | 3       | 3         | 18.63                     | 18.65                      | 18.72                      |                     |          |
| 1.4                     | 256QAM     | 6       | 0         | 18.66                     | 18.73                      | 18.67                      | 20                  | 5        |

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| BW (MHz)        | Modulation | Size | RB Offset | Power Low Ch / Freq | Power Mode Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |  |
|-----------------|------------|------|-----------|---------------------|----------------------|----------------------|---------------------|----------|--|--|
| Channel         |            |      |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |      |           |                     |                      |                      |                     |          |  |  |
| 20              | QPSK       | 1    | 0         | 1720                | 1745                 | 1776                 | 24.5                | 0        |  |  |
| 20              | QPSK       | 1    | 49        | 23.05               | 23.18                | 23.10                |                     |          |  |  |
| 20              | QPSK       | 1    | 99        | 23.01               | 23.02                | 23.00                |                     |          |  |  |
| 20              | QPSK       | 50   | 0         | 22.09               | 22.20                | 22.15                |                     |          |  |  |
| 20              | QPSK       | 50   | 24        | 22.08               | 22.24                | 22.11                | 23.5                | 1        |  |  |
| 20              | QPSK       | 50   | 50        | 22.04               | 22.15                | 22.12                |                     |          |  |  |
| 20              | QPSK       | 100  | 0         | 22.05               | 22.19                | 22.09                |                     |          |  |  |
| 20              | 16QAM      | 1    | 0         | 22.47               | 22.54                | 22.39                |                     |          |  |  |
| 20              | 16QAM      | 1    | 49        | 22.34               | 22.53                | 22.49                | 23.5                | 1        |  |  |
| 20              | 16QAM      | 1    | 99        | 22.24               | 22.29                | 22.31                |                     |          |  |  |
| 20              | 16QAM      | 50   | 0         | 21.06               | 21.26                | 21.09                |                     |          |  |  |
| 20              | 16QAM      | 50   | 24        | 21.08               | 21.24                | 21.04                |                     |          |  |  |
| 20              | 16QAM      | 50   | 50        | 21.04               | 21.17                | 21.13                | 22.5                | 2        |  |  |
| 20              | 16QAM      | 100  | 0         | 21.08               | 21.22                | 21.12                |                     |          |  |  |
| 20              | 64QAM      | 1    | 0         | 21.41               | 21.47                | 21.35                |                     |          |  |  |
| 20              | 64QAM      | 1    | 49        | 21.21               | 21.44                | 21.27                |                     |          |  |  |
| 20              | 64QAM      | 1    | 99        | 21.07               | 21.34                | 21.16                | 22.5                | 2        |  |  |
| 20              | 64QAM      | 50   | 0         | 20.08               | 20.26                | 20.16                |                     |          |  |  |
| 20              | 64QAM      | 50   | 24        | 20.08               | 20.25                | 20.10                |                     |          |  |  |
| 20              | 64QAM      | 50   | 50        | 20.05               | 20.15                | 20.12                |                     |          |  |  |
| 20              | 64QAM      | 100  | 0         | 20.10               | 20.23                | 20.12                | 21.5                | 3        |  |  |
| 20              | 25QAM      | 1    | 0         | 18.21               | 18.29                | 18.17                |                     |          |  |  |
| 20              | 25QAM      | 1    | 49        | 18.36               | 18.43                | 18.28                |                     |          |  |  |
| 20              | 25QAM      | 1    | 99        | 18.31               | 18.40                | 18.34                |                     |          |  |  |
| 20              | 25QAM      | 50   | 0         | 17.97               | 18.07                | 17.95                | 19.5                | 5        |  |  |
| 20              | 25QAM      | 50   | 24        | 18.13               | 18.21                | 18.15                |                     |          |  |  |
| 20              | 25QAM      | 50   | 50        | 18.16               | 18.24                | 18.08                |                     |          |  |  |
| 20              | 25QAM      | 100  | 0         | 18.02               | 18.17                | 18.09                |                     |          |  |  |
| Channel         |            |      |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |      |           |                     |                      |                      |                     |          |  |  |
| 18              | QPSK       | 1    | 0         | 1717.5              | 1745                 | 1772.5               | 24.5                | 0        |  |  |
| 18              | QPSK       | 1    | 49        | 23.01               | 23.02                | 23.00                |                     |          |  |  |
| 18              | QPSK       | 1    | 99        | 22.97               | 22.98                | 22.98                |                     |          |  |  |
| 18              | QPSK       | 36   | 20        | 21.94               | 22.20                | 22.02                |                     |          |  |  |
| 18              | QPSK       | 36   | 39        | 21.86               | 22.19                | 22.07                | 23.5                | 1        |  |  |
| 18              | QPSK       | 1    | 21.81     | 22.09               | 21.98                |                      |                     |          |  |  |
| 18              | 16QAM      | 1    | 0         | 22.33               | 22.44                | 22.28                |                     |          |  |  |
| 18              | 16QAM      | 1    | 37        | 22.19               | 22.44                | 22.32                |                     |          |  |  |
| 18              | 16QAM      | 1    | 74        | 22.11               | 22.44                | 22.32                | 23.5                | 1        |  |  |
| 18              | 16QAM      | 36   | 0         | 20.84               | 21.16                | 20.83                |                     |          |  |  |
| 18              | 16QAM      | 36   | 20        | 20.88               | 21.14                | 21.04                |                     |          |  |  |
| 18              | 16QAM      | 36   | 39        | 20.84               | 21.04                | 21.00                |                     |          |  |  |
| 18              | 16QAM      | 75   | 0         | 20.98               | 21.12                | 21.03                | 22.5                | 2        |  |  |
| 18              | 64QAM      | 1    | 0         | 21.31               | 21.37                | 21.14                |                     |          |  |  |
| 18              | 64QAM      | 1    | 37        | 21.11               | 21.34                | 21.16                |                     |          |  |  |
| 18              | 64QAM      | 1    | 74        | 21.07               | 21.13                | 21.09                |                     |          |  |  |
| 18              | 64QAM      | 1    | 49        | 19.06               | 19.23                | 19.03                | 22.5                | 2        |  |  |
| 18              | 64QAM      | 36   | 20        | 19.88               | 20.15                | 20.02                |                     |          |  |  |
| 18              | 64QAM      | 36   | 39        | 19.95               | 20.07                | 20.02                |                     |          |  |  |
| 18              | 64QAM      | 75   | 0         | 20.00               | 20.12                | 20.02                |                     |          |  |  |
| 18              | 25QAM      | 1    | 0         | 18.11               | 18.19                | 18.07                | 21.5                | 3        |  |  |
| 18              | 25QAM      | 1    | 37        | 18.26               | 18.30                | 18.24                |                     |          |  |  |
| 18              | 25QAM      | 1    | 74        | 18.21               | 18.33                | 18.24                |                     |          |  |  |
| 18              | 25QAM      | 36   | 20        | 18.03               | 17.87                | 18.05                |                     |          |  |  |
| 18              | 25QAM      | 36   | 39        | 18.06               | 18.14                | 17.98                | 19.5                | 5        |  |  |
| 18              | 25QAM      | 75   | 0         | 17.92               | 18.07                | 17.99                |                     |          |  |  |
| Channel         |            |      |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |      |           |                     |                      |                      |                     |          |  |  |
| 16              | QPSK       | 1    | 0         | 132022              | 132322               | 132622               | Tune-up limit (dBm) | MPR (dB) |  |  |
| 16              | QPSK       | 1    | 25        | 23.01               | 23.08                | 23.11                |                     |          |  |  |
| 16              | QPSK       | 1    | 25        | 22.84               | 22.96                | 22.93                |                     |          |  |  |
| 16              | QPSK       | 25   | 0         | 21.98               | 22.10                | 21.84                |                     |          |  |  |
| 16              | QPSK       | 25   | 12        | 22.03               | 22.14                | 22.01                | 23.5                | 1        |  |  |
| 16              | QPSK       | 25   | 25        | 22.00               | 22.09                | 22.05                |                     |          |  |  |
| 16              | QPSK       | 50   | 0         | 21.90               | 22.06                | 21.84                |                     |          |  |  |
| 16              | 16QAM      | 1    | 22.31     | 22.43               | 22.29                |                      |                     |          |  |  |
| 16              | 16QAM      | 1    | 25        | 22.28               | 22.47                | 22.34                | 23.5                | 1        |  |  |
| 16              | 16QAM      | 1    | 49        | 22.17               | 22.18                | 22.25                |                     |          |  |  |
| 16              | 16QAM      | 25   | 0         | 20.81               | 21.13                | 20.85                |                     |          |  |  |
| 16              | 16QAM      | 25   | 12        | 20.88               | 21.14                | 21.05                |                     |          |  |  |
| 16              | 16QAM      | 25   | 25        | 20.84               | 21.07                | 21.06                | 22.5                | 2        |  |  |
| 16              | 16QAM      | 50   | 0         | 20.98               | 21.14                | 21.04                |                     |          |  |  |
| 16              | 64QAM      | 1    | 0         | 21.31               | 21.37                | 21.11                |                     |          |  |  |
| 16              | 64QAM      | 1    | 25        | 21.11               | 21.34                | 21.09                |                     |          |  |  |
| 16              | 64QAM      | 1    | 49        | 21.07               | 21.34                | 21.09                | 22.5                | 2        |  |  |
| 16              | 64QAM      | 25   | 0         | 19.88               | 20.16                | 20.01                |                     |          |  |  |
| 16              | 64QAM      | 25   | 12        | 19.98               | 20.08                | 20.02                |                     |          |  |  |
| 16              | 64QAM      | 25   | 25        | 19.95               | 20.07                | 20.02                |                     |          |  |  |
| 16              | 64QAM      | 50   | 0         | 20.00               | 20.13                | 20.02                | 21.5                | 3        |  |  |
| 16              | 25QAM      | 1    | 18.11     | 18.34               | 18.07                |                      |                     |          |  |  |
| 16              | 25QAM      | 1    | 49        | 18.21               | 18.30                | 18.24                |                     |          |  |  |
| 16              | 25QAM      | 25   | 0         | 17.87               | 17.87                | 17.85                |                     |          |  |  |
| 16              | 25QAM      | 25   | 12        | 18.03               | 18.10                | 18.05                | 19.5                | 5        |  |  |
| 16              | 25QAM      | 25   | 25        | 18.06               | 18.14                | 17.98                |                     |          |  |  |
| 16              | 25QAM      | 50   | 0         | 17.92               | 18.07                | 17.99                |                     |          |  |  |
| Channel         |            |      |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |      |           |                     |                      |                      |                     |          |  |  |
| 5               | QPSK       | 1    | 0         | 131997              | 132322               | 132647               | Tune-up limit (dBm) | MPR (dB) |  |  |
| 5               | QPSK       | 1    | 12        | 22.99               | 23.02                | 22.99                |                     |          |  |  |
| 5               | QPSK       | 1    | 24        | 22.86               | 22.98                | 22.91                |                     |          |  |  |
| 5               | QPSK       | 12   | 0         | 21.97               | 22.14                | 21.96                |                     |          |  |  |
| 5               | QPSK       | 12   | 7         | 21.97               | 22.09                | 22.00                | 23.5                | 1        |  |  |
| 5               | QPSK       | 12   | 13        | 21.96               | 22.07                | 22.02                |                     |          |  |  |
| 5               | QPSK       | 25   | 0         | 21.95               | 22.03                | 22.01                |                     |          |  |  |
| 5               | 16QAM      | 1    | 0         | 22.38               | 22.38                | 22.26                |                     |          |  |  |
| 5               | 16QAM      | 1    | 24        | 22.24               | 22.31                | 22.25                | 23.5                | 1        |  |  |
| 5               | 16QAM      | 1    | 24        | 22.16               | 22.21                | 22.19                |                     |          |  |  |
| 5               | 16QAM      | 12   | 0         | 20.93               | 21.17                | 21.02                |                     |          |  |  |
| 5               | 16QAM      | 12   | 7         | 20.86               | 21.14                | 20.86                |                     |          |  |  |
| 5               | 16QAM      | 12   | 13        | 20.84               | 21.07                | 21.05                | 22.5                | 2        |  |  |
| 5               | 16QAM      | 25   | 0         | 20.98               | 21.12                | 20.96                |                     |          |  |  |
| 5               | 64QAM      | 1    | 21.31     | 21.34               | 21.14                |                      |                     |          |  |  |
| 5               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 5               | 64QAM      | 25   | 0         | 21.07               | 21.13                | 21.09                | 22.5                | 2        |  |  |
| 5               | 64QAM      | 12   | 13        | 19.98               | 20.15                | 20.02                |                     |          |  |  |
| 5               | 64QAM      | 12   | 13        | 19.85               | 20.07                | 20.02                |                     |          |  |  |
| 5               | 64QAM      | 12   | 13        | 20.00               | 20.13                | 20.02                |                     |          |  |  |
| 5               | 25QAM      | 1    | 18.11     | 18.19               | 18.07                | 19.5                 | 5                   |          |  |  |
| 5               | 25QAM      | 1    | 49        | 18.21               | 18.30                |                      |                     | 18.24    |  |  |
| 5               | 25QAM      | 12   | 0         | 17.87               | 17.87                |                      |                     | 17.85    |  |  |
| 5               | 25QAM      | 12   | 13        | 18.03               | 18.10                |                      |                     | 18.05    |  |  |
| 5               | 25QAM      | 12   | 13        | 18.06               | 18.14                | 17.98                | 19.5                | 5        |  |  |
| 5               | 25QAM      | 25   | 0         | 17.92               | 18.07                | 17.99                |                     |          |  |  |
| Channel         |            |      |           |                     |                      |                      |                     |          |  |  |
| Frequency (MHz) |            |      |           |                     |                      |                      |                     |          |  |  |
| 3               | QPSK       | 1    | 0         | 1717.5              | 1745                 | 1774.5               | 24.5                | 0        |  |  |
| 3               | QPSK       | 1    | 12        | 22.99               | 23.02                | 23.00                |                     |          |  |  |
| 3               | QPSK       | 1    | 24        | 22.86               | 22.98                | 22.96                |                     |          |  |  |
| 3               | QPSK       | 12   | 0         | 21.97               | 22.21                | 22.01                |                     |          |  |  |
| 3               | QPSK       | 12   | 7         | 21.95               | 22.19                | 22.05                | 23.5                | 1        |  |  |
| 3               | QPSK       | 12   | 13        | 21.96               | 22.07                | 22.02                |                     |          |  |  |
| 3               | QPSK       | 25   | 0         | 21.95               | 22.03                | 22.01                |                     |          |  |  |
| 3               | 16QAM      | 1    | 0         | 22.38               | 22.38                | 22.26                |                     |          |  |  |
| 3               | 16QAM      | 1    | 24        | 22.24               | 22.31                | 22.25                | 23.5                | 1        |  |  |
| 3               | 16QAM      | 1    | 24        | 22.16               | 22.21                | 22.19                |                     |          |  |  |
| 3               | 16QAM      | 12   | 0         | 20.93               | 21.17                | 21.02                |                     |          |  |  |
| 3               | 16QAM      | 12   | 7         | 20.86               | 21.14                | 20.86                |                     |          |  |  |
| 3               | 16QAM      | 12   | 13        | 20.84               | 21.07                | 21.05                | 22.5                | 2        |  |  |
| 3               | 16QAM      | 25   | 0         | 20.98               | 21.12                | 20.96                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.31     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 22.5                | 2        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |
| 3               | 64QAM      | 1    | 21.11     | 21.34               | 21.14                |                      |                     |          |  |  |
| 3               | 64QAM      | 1    | 12        | 21.11               | 21.34                | 21.14                |                     |          |  |  |
| 3               | 64QAM      | 1    | 14        | 21.07               | 21.13                | 21.08                | 21.5                | 3        |  |  |
| 3               | 64QAM      | 1    | 49        | 19.88               | 20.16                | 20.02                |                     |          |  |  |



### Band 38\_Ant 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<br>Frequency (MHz) |            |         |           |                           |                              |                            |                        |             |
| 20                         | QPSK       | 1       | 0         | 23.14                     | 23.22                        | 23.20                      | 24                     | 0           |
| 20                         | QPSK       | 1       | 49        | 23.07                     | 23.18                        | 23.17                      |                        |             |
| 20                         | QPSK       | 1       | 99        | 22.85                     | 22.81                        | 23.11                      |                        |             |
| 20                         | QPSK       | 50      | 0         | 22.11                     | 22.20                        | 22.19                      | 23                     | 1           |
| 20                         | QPSK       | 50      | 24        | 22.10                     | 22.14                        | 22.18                      |                        |             |
| 20                         | QPSK       | 50      | 50        | 22.09                     | 22.15                        | 22.13                      |                        |             |
| 20                         | QPSK       | 100     | 0         | 22.03                     | 22.18                        | 22.17                      | 23                     | 1           |
| 20                         | 16QAM      | 1       | 0         | 22.06                     | 22.04                        | 22.15                      |                        |             |
| 20                         | 16QAM      | 1       | 49        | 22.13                     | 22.23                        | 22.10                      |                        |             |
| 20                         | 16QAM      | 1       | 99        | 22.19                     | 22.29                        | 22.23                      | 22                     | 2           |
| 20                         | 16QAM      | 50      | 0         | 21.02                     | 21.08                        | 21.19                      |                        |             |
| 20                         | 16QAM      | 50      | 24        | 21.11                     | 21.14                        | 21.18                      |                        |             |
| 20                         | 16QAM      | 50      | 50        | 21.11                     | 21.18                        | 21.20                      | 22                     | 2           |
| 20                         | 16QAM      | 100     | 0         | 21.06                     | 21.14                        | 21.20                      |                        |             |
| 20                         | 16QAM      | 100     | 24        | 20.71                     | 20.76                        | 20.93                      |                        |             |
| 20                         | 64QAM      | 1       | 49        | 20.93                     | 20.96                        | 21.02                      | 22                     | 2           |
| 20                         | 64QAM      | 1       | 99        | 20.92                     | 21.04                        | 21.00                      |                        |             |
| 20                         | 64QAM      | 50      | 0         | 19.89                     | 20.07                        | 20.16                      |                        |             |
| 20                         | 64QAM      | 50      | 24        | 20.10                     | 20.14                        | 20.19                      | 21                     | 3           |
| 20                         | 64QAM      | 50      | 50        | 20.11                     | 20.17                        | 20.20                      |                        |             |
| 20                         | 64QAM      | 100     | 0         | 20.08                     | 20.13                        | 20.21                      |                        |             |
| 20                         | 256QAM     | 1       | 0         | 18.39                     | 18.45                        | 18.32                      | 19                     | 5           |
| 20                         | 256QAM     | 1       | 49        | 18.41                     | 18.51                        | 18.41                      |                        |             |
| 20                         | 256QAM     | 50      | 0         | 18.42                     | 18.55                        | 18.44                      |                        |             |
| 20                         | 256QAM     | 50      | 24        | 18.60                     | 18.71                        | 18.58                      | 19                     | 5           |
| 20                         | 256QAM     | 50      | 50        | 18.67                     | 18.73                        | 18.60                      |                        |             |
| 20                         | 256QAM     | 100     | 0         | 18.62                     | 18.77                        | 18.64                      |                        |             |
| 20                         | 256QAM     | 100     | 24        | 18.64                     | 18.68                        | 18.59                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           |                           |                              |                            |                        |             |
| 15                         | QPSK       | 1       | 0         | 23.04                     | 23.13                        | 23.14                      | 24                     | 0           |
| 15                         | QPSK       | 1       | 37        | 22.97                     | 23.13                        | 23.09                      |                        |             |
| 15                         | QPSK       | 1       | 74        | 22.81                     | 22.84                        | 22.97                      |                        |             |
| 15                         | QPSK       | 36      | 0         | 21.90                     | 22.01                        | 21.96                      | 23                     | 1           |
| 15                         | QPSK       | 36      | 28        | 21.98                     | 22.00                        | 22.11                      |                        |             |
| 15                         | QPSK       | 36      | 39        | 21.99                     | 22.00                        | 22.03                      |                        |             |
| 15                         | QPSK       | 75      | 0         | 21.93                     | 21.92                        | 22.03                      | 23                     | 1           |
| 15                         | 16QAM      | 1       | 0         | 21.89                     | 21.97                        | 22.04                      |                        |             |
| 15                         | 16QAM      | 1       | 37        | 22.10                     | 22.13                        | 22.10                      |                        |             |
| 15                         | 16QAM      | 1       | 74        | 22.09                     | 22.20                        | 22.09                      | 22                     | 2           |
| 15                         | 16QAM      | 36      | 0         | 20.93                     | 20.93                        | 21.07                      |                        |             |
| 15                         | 16QAM      | 36      | 20        | 21.01                     | 21.04                        | 21.13                      |                        |             |
| 15                         | 16QAM      | 36      | 39        | 21.01                     | 21.08                        | 21.13                      | 22                     | 2           |
| 15                         | 16QAM      | 75      | 0         | 20.95                     | 21.04                        | 21.07                      |                        |             |
| 15                         | 64QAM      | 1       | 0         | 20.61                     | 20.65                        | 20.87                      |                        |             |
| 15                         | 64QAM      | 1       | 37        | 20.83                     | 20.86                        | 20.87                      | 22                     | 2           |
| 15                         | 64QAM      | 1       | 74        | 20.82                     | 20.84                        | 20.90                      |                        |             |
| 15                         | 64QAM      | 36      | 0         | 19.89                     | 19.97                        | 20.08                      |                        |             |
| 15                         | 64QAM      | 36      | 20        | 20.00                     | 20.04                        | 20.09                      | 21                     | 3           |
| 15                         | 64QAM      | 36      | 39        | 20.01                     | 20.07                        | 20.12                      |                        |             |
| 15                         | 64QAM      | 75      | 0         | 19.96                     | 20.03                        | 20.11                      |                        |             |
| 15                         | 256QAM     | 1       | 0         | 18.29                     | 18.35                        | 18.22                      | 19                     | 5           |
| 15                         | 256QAM     | 1       | 37        | 18.31                     | 18.41                        | 18.31                      |                        |             |
| 15                         | 256QAM     | 1       | 74        | 18.32                     | 18.45                        | 18.34                      |                        |             |
| 15                         | 256QAM     | 36      | 0         | 18.50                     | 18.61                        | 18.48                      | 19                     | 5           |
| 15                         | 256QAM     | 36      | 20        | 18.57                     | 18.63                        | 18.50                      |                        |             |
| 15                         | 256QAM     | 36      | 39        | 18.52                     | 18.67                        | 18.54                      |                        |             |
| 15                         | 256QAM     | 75      | 0         | 18.54                     | 18.58                        | 18.49                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           |                           |                              |                            |                        |             |
| 10                         | QPSK       | 1       | 0         | 23.00                     | 23.08                        | 23.11                      | 24                     | 0           |
| 10                         | QPSK       | 1       | 25        | 22.71                     | 23.04                        | 23.09                      |                        |             |
| 10                         | QPSK       | 1       | 49        | 22.71                     | 22.84                        | 22.96                      |                        |             |
| 10                         | QPSK       | 25      | 0         | 21.95                     | 21.90                        | 21.97                      | 23                     | 1           |
| 10                         | QPSK       | 25      | 12        | 21.98                     | 22.09                        | 22.02                      |                        |             |
| 10                         | QPSK       | 25      | 25        | 21.94                     | 22.06                        | 22.08                      |                        |             |
| 10                         | QPSK       | 50      | 0         | 21.93                     | 21.95                        | 22.09                      | 23                     | 1           |
| 10                         | 16QAM      | 1       | 0         | 21.95                     | 21.89                        | 22.09                      |                        |             |
| 10                         | 16QAM      | 1       | 25        | 22.08                     | 22.17                        | 22.04                      |                        |             |
| 10                         | 16QAM      | 1       | 49        | 22.12                     | 22.17                        | 22.16                      | 22                     | 2           |
| 10                         | 16QAM      | 25      | 0         | 20.93                     | 20.98                        | 21.08                      |                        |             |
| 10                         | 16QAM      | 25      | 12        | 21.01                     | 21.04                        | 21.13                      |                        |             |
| 10                         | 16QAM      | 25      | 25        | 21.01                     | 21.08                        | 21.05                      | 22                     | 2           |
| 10                         | 16QAM      | 50      | 0         | 20.95                     | 21.04                        | 21.06                      |                        |             |
| 10                         | 64QAM      | 1       | 0         | 20.61                     | 20.66                        | 20.80                      |                        |             |
| 10                         | 64QAM      | 1       | 25        | 20.83                     | 20.86                        | 20.86                      | 22                     | 2           |
| 10                         | 64QAM      | 1       | 49        | 20.82                     | 20.84                        | 20.88                      |                        |             |
| 10                         | 64QAM      | 25      | 0         | 19.89                     | 19.97                        | 20.15                      |                        |             |
| 10                         | 64QAM      | 25      | 12        | 20.00                     | 20.04                        | 20.09                      | 21                     | 3           |
| 10                         | 64QAM      | 25      | 25        | 20.01                     | 20.07                        | 20.10                      |                        |             |
| 10                         | 64QAM      | 50      | 0         | 19.96                     | 20.03                        | 20.11                      |                        |             |
| 10                         | 256QAM     | 1       | 0         | 18.29                     | 18.35                        | 18.22                      | 19                     | 5           |
| 10                         | 256QAM     | 1       | 25        | 18.31                     | 18.41                        | 18.31                      |                        |             |
| 10                         | 256QAM     | 1       | 49        | 18.32                     | 18.45                        | 18.34                      |                        |             |
| 10                         | 256QAM     | 25      | 0         | 18.50                     | 18.61                        | 18.48                      | 19                     | 5           |
| 10                         | 256QAM     | 25      | 12        | 18.57                     | 18.63                        | 18.50                      |                        |             |
| 10                         | 256QAM     | 25      | 25        | 18.52                     | 18.67                        | 18.54                      |                        |             |
| 10                         | 256QAM     | 50      | 0         | 18.54                     | 18.58                        | 18.49                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           |                           |                              |                            |                        |             |
| 5                          | QPSK       | 1       | 0         | 23.04                     | 23.10                        | 23.06                      | 24                     | 0           |
| 5                          | QPSK       | 1       | 12        | 22.92                     | 23.04                        | 23.08                      |                        |             |
| 5                          | QPSK       | 1       | 24        | 22.77                     | 22.79                        | 23.07                      |                        |             |
| 5                          | QPSK       | 12      | 0         | 21.97                     | 21.98                        | 21.97                      | 23                     | 1           |
| 5                          | QPSK       | 12      | 7         | 22.00                     | 22.05                        | 22.12                      |                        |             |
| 5                          | QPSK       | 12      | 13        | 22.04                     | 22.11                        | 22.10                      |                        |             |
| 5                          | QPSK       | 25      | 0         | 21.93                     | 21.95                        | 22.03                      | 23                     | 1           |
| 5                          | 16QAM      | 1       | 0         | 21.94                     | 21.96                        | 22.04                      |                        |             |
| 5                          | 16QAM      | 1       | 12        | 22.08                     | 22.18                        | 22.02                      |                        |             |
| 5                          | 16QAM      | 1       | 24        | 22.04                     | 22.14                        | 22.15                      | 22                     | 2           |
| 5                          | 16QAM      | 12      | 0         | 20.97                     | 20.99                        | 21.03                      |                        |             |
| 5                          | 16QAM      | 12      | 7         | 21.01                     | 21.04                        | 21.12                      |                        |             |
| 5                          | 16QAM      | 12      | 13        | 21.01                     | 21.08                        | 21.04                      | 22                     | 2           |
| 5                          | 16QAM      | 25      | 0         | 20.98                     | 21.04                        | 21.08                      |                        |             |
| 5                          | 64QAM      | 1       | 0         | 20.61                     | 20.66                        | 20.81                      |                        |             |
| 5                          | 64QAM      | 1       | 12        | 20.83                     | 20.86                        | 20.87                      | 22                     | 2           |
| 5                          | 64QAM      | 1       | 24        | 20.82                     | 20.84                        | 20.92                      |                        |             |
| 5                          | 64QAM      | 12      | 0         | 19.89                     | 19.97                        | 20.07                      |                        |             |
| 5                          | 64QAM      | 12      | 7         | 20.00                     | 20.04                        | 20.09                      | 21                     | 3           |
| 5                          | 64QAM      | 12      | 13        | 20.01                     | 20.07                        | 20.10                      |                        |             |
| 5                          | 64QAM      | 25      | 0         | 19.96                     | 20.03                        | 20.11                      |                        |             |
| 5                          | 256QAM     | 1       | 0         | 18.29                     | 18.35                        | 18.22                      | 19                     | 5           |
| 5                          | 256QAM     | 1       | 12        | 18.31                     | 18.41                        | 18.31                      |                        |             |
| 5                          | 256QAM     | 1       | 24        | 18.32                     | 18.45                        | 18.34                      |                        |             |
| 5                          | 256QAM     | 12      | 0         | 18.50                     | 18.61                        | 18.48                      | 19                     | 5           |
| 5                          | 256QAM     | 12      | 7         | 18.57                     | 18.63                        | 18.50                      |                        |             |
| 5                          | 256QAM     | 12      | 13        | 18.52                     | 18.67                        | 18.54                      |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.54                     | 18.58                        | 18.49                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           |                           |                              |                            |                        |             |
| 5                          | QPSK       | 1       | 0         | 22.75                     | 22.80                        | 23.06                      | 24.00                  | 0           |
| 5                          | QPSK       | 1       | 12        | 22.85                     | 22.89                        | 23.02                      |                        |             |
| 5                          | QPSK       | 1       | 24        | 22.66                     | 23.07                        | 23.02                      |                        |             |
| 5                          | QPSK       | 12      | 0         | 21.72                     | 22.25                        | 22.11                      | 23                     | 1           |
| 5                          | QPSK       | 12      | 7         | 21.67                     | 22.05                        | 22.13                      |                        |             |
| 5                          | QPSK       | 12      | 13        | 21.71                     | 22.19                        | 22.09                      |                        |             |
| 5                          | QPSK       | 25      | 0         | 21.71                     | 22.08                        | 22.02                      | 23                     | 1           |
| 5                          | 16QAM      | 1       | 0         | 21.75                     | 22.03                        | 22.07                      |                        |             |
| 5                          | 16QAM      | 1       | 12        | 22.01                     | 22.26                        | 22.30                      |                        |             |
| 5                          | 16QAM      | 1       | 24        | 22.02                     | 22.36                        | 22.37                      | 22                     | 2           |
| 5                          | 16QAM      | 12      | 0         | 20.66                     | 21.02                        | 21.14                      |                        |             |
| 5                          | 16QAM      | 12      | 7         | 20.71                     | 21.09                        | 21.20                      |                        |             |
| 5                          | 16QAM      | 12      | 13        | 20.77                     | 21.12                        | 21.18                      | 22                     | 2           |
| 5                          | 16QAM      | 25      | 0         | 20.82                     | 21.05                        | 21.17                      |                        |             |
| 5                          | 64QAM      | 1       | 0         | 20.61                     | 20.87                        | 21.02                      |                        |             |
| 5                          | 64QAM      | 1       | 12        | 20.81                     | 21.11                        | 21.16                      | 22                     | 2           |
| 5                          | 64QAM      | 1       | 24        | 20.80                     | 21.27                        | 21.28                      |                        |             |
| 5                          | 64QAM      | 12      | 0         | 19.70                     | 20.06                        | 20.09                      |                        |             |
| 5                          | 64QAM      | 12      | 7         | 19.78                     | 20.03                        | 20.17                      | 21                     | 3           |
| 5                          | 64QAM      | 12      | 13        | 19.79                     | 20.21                        | 20.19                      |                        |             |
| 5                          | 64QAM      | 25      | 0         | 19.67                     | 20.07                        | 20.17                      |                        |             |
| 5                          | 256QAM     | 1       | 0         | 18.25                     | 17.89                        | 17.89                      | 19                     | 5           |
| 5                          | 256QAM     | 1       | 12        | 18.13                     | 17.96                        | 18.03                      |                        |             |
| 5                          | 256QAM     | 1       | 24        | 18.35                     | 18.27                        | 17.87                      |                        |             |
| 5                          | 256QAM     | 12      | 0         | 18.04                     | 17.80                        | 18.25                      | 19                     | 5           |
| 5                          | 256QAM     | 12      | 7         | 18.23                     |                              |                            |                        |             |

**Band 42 Part27Q\_Ant 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<br>42190 |            |         |           |                             |                                |                              |                        |             |  |  |
| Frequency [MHz]  |            |         |           |                             |                                |                              |                        |             |  |  |
| 20               | QPSK       | 1       | 0         | 22.90                       | 23.05                          | 22.81                        | 24                     | 0           |  |  |
| 20               | QPSK       | 1       | 48        | 22.89                       | 22.89                          | 22.71                        |                        |             |  |  |
| 20               | QPSK       | 1       | 96        | 22.75                       | 22.73                          | 22.58                        |                        |             |  |  |
| 20               | QPSK       | 50      | 0         | 22.09                       | 22.18                          | 21.92                        |                        |             |  |  |
| 20               | QPSK       | 50      | 24        | 22.08                       | 22.14                          | 21.91                        | 23                     | 1           |  |  |
| 20               | QPSK       | 50      | 48        | 21.86                       | 22.05                          | 21.83                        |                        |             |  |  |
| 20               | QPSK       | 100     | 0         | 22.03                       | 22.09                          | 21.84                        |                        |             |  |  |
| 20               | 16QAM      | 1       | 0         | 22.31                       | 22.32                          | 22.14                        |                        |             |  |  |
| 20               | 16QAM      | 1       | 48        | 22.15                       | 22.23                          | 22.08                        | 23                     | 1           |  |  |
| 20               | 16QAM      | 1       | 96        | 22.04                       | 22.14                          | 21.91                        |                        |             |  |  |
| 20               | 16QAM      | 50      | 0         | 21.12                       | 21.07                          | 20.95                        |                        |             |  |  |
| 20               | 16QAM      | 50      | 24        | 21.08                       | 21.11                          | 20.97                        |                        |             |  |  |
| 20               | 16QAM      | 50      | 50        | 20.96                       | 20.98                          | 20.84                        | 22                     | 2           |  |  |
| 20               | 16QAM      | 100     | 0         | 21.08                       | 21.04                          | 20.92                        |                        |             |  |  |
| 20               | 64QAM      | 1       | 0         | 21.14                       | 21.25                          | 21.06                        |                        |             |  |  |
| 20               | 64QAM      | 1       | 48        | 21.00                       | 21.14                          | 21.01                        |                        |             |  |  |
| 20               | 64QAM      | 1       | 96        | 20.97                       | 21.02                          | 20.74                        | 22                     | 2           |  |  |
| 20               | 64QAM      | 50      | 0         | 20.02                       | 20.12                          | 19.89                        |                        |             |  |  |
| 20               | 64QAM      | 50      | 24        | 19.98                       | 20.08                          | 19.94                        |                        |             |  |  |
| 20               | 64QAM      | 50      | 50        | 19.95                       | 19.99                          | 19.80                        |                        |             |  |  |
| 20               | 64QAM      | 100     | 0         | 19.97                       | 20.03                          | 19.84                        | 21                     | 3           |  |  |
| 20               | 256QAM     | 1       | 0         | 18.27                       | 17.83                          | 17.75                        |                        |             |  |  |
| 20               | 256QAM     | 1       | 48        | 18.09                       | 17.83                          | 17.92                        |                        |             |  |  |
| 20               | 256QAM     | 1       | 96        | 18.34                       | 18.25                          | 17.78                        |                        |             |  |  |
| 20               | 256QAM     | 50      | 0         | 18.13                       | 17.99                          | 17.72                        | 19                     | 5           |  |  |
| 20               | 256QAM     | 50      | 24        | 18.12                       | 17.95                          | 17.77                        |                        |             |  |  |
| 20               | 256QAM     | 50      | 50        | 18.41                       | 18.04                          | 18.02                        |                        |             |  |  |
| 20               | 256QAM     | 100     | 0         | 18.39                       | 18.29                          | 18.07                        |                        |             |  |  |
| Channel<br>42195 |            |         |           |                             |                                |                              |                        |             |  |  |
| Frequency [MHz]  |            |         |           |                             |                                |                              |                        |             |  |  |
| 15               | QPSK       | 1       | 0         | 22.77                       | 22.93                          | 22.75                        | 24                     | 0           |  |  |
| 15               | QPSK       | 1       | 37        | 22.82                       | 22.82                          | 22.62                        |                        |             |  |  |
| 15               | QPSK       | 1       | 74        | 22.60                       | 22.69                          | 22.56                        |                        |             |  |  |
| 15               | QPSK       | 36      | 0         | 21.99                       | 22.02                          | 21.91                        |                        |             |  |  |
| 15               | QPSK       | 36      | 36        | 21.98                       | 22.07                          | 21.79                        | 23                     | 1           |  |  |
| 15               | QPSK       | 36      | 39        | 21.81                       | 21.95                          | 21.67                        |                        |             |  |  |
| 15               | QPSK       | 75      | 0         | 21.86                       | 21.97                          | 21.75                        |                        |             |  |  |
| 15               | 16QAM      | 1       | 0         | 22.19                       | 22.33                          | 22.11                        |                        |             |  |  |
| 15               | 16QAM      | 1       | 37        | 22.06                       | 22.13                          | 22.03                        | 23                     | 1           |  |  |
| 15               | 16QAM      | 1       | 74        | 21.97                       | 22.05                          | 21.80                        |                        |             |  |  |
| 15               | 16QAM      | 36      | 0         | 21.02                       | 21.09                          | 20.90                        |                        |             |  |  |
| 15               | 16QAM      | 36      | 20        | 20.97                       | 20.95                          | 20.77                        |                        |             |  |  |
| 15               | 16QAM      | 36      | 39        | 20.81                       | 20.93                          | 20.72                        | 22                     | 2           |  |  |
| 15               | 16QAM      | 75      | 0         | 20.99                       | 21.05                          | 20.78                        |                        |             |  |  |
| 15               | 64QAM      | 1       | 0         | 21.15                       | 21.09                          | 21.01                        |                        |             |  |  |
| 15               | 64QAM      | 1       | 37        | 21.00                       | 21.09                          | 20.84                        |                        |             |  |  |
| 15               | 64QAM      | 1       | 74        | 20.98                       | 20.94                          | 20.76                        | 22                     | 2           |  |  |
| 15               | 64QAM      | 36      | 0         | 19.92                       | 19.98                          | 19.83                        |                        |             |  |  |
| 15               | 64QAM      | 36      | 20        | 19.94                       | 19.98                          | 19.79                        |                        |             |  |  |
| 15               | 64QAM      | 36      | 39        | 19.83                       | 19.84                          | 19.72                        |                        |             |  |  |
| 15               | 64QAM      | 75      | 0         | 19.85                       | 19.91                          | 19.82                        | 21                     | 3           |  |  |
| 15               | 256QAM     | 1       | 0         | 18.10                       | 17.83                          | 17.70                        |                        |             |  |  |
| 15               | 256QAM     | 1       | 37        | 17.86                       | 17.85                          | 17.82                        |                        |             |  |  |
| 15               | 256QAM     | 1       | 74        | 18.25                       | 18.21                          | 17.77                        |                        |             |  |  |
| 15               | 256QAM     | 36      | 0         | 17.98                       | 17.92                          | 17.58                        | 19                     | 5           |  |  |
| 15               | 256QAM     | 36      | 20        | 18.09                       | 17.79                          | 17.67                        |                        |             |  |  |
| 15               | 256QAM     | 36      | 39        | 18.26                       | 18.08                          | 17.84                        |                        |             |  |  |
| 15               | 256QAM     | 75      | 0         | 18.24                       | 18.20                          | 18.04                        |                        |             |  |  |
| Channel<br>42200 |            |         |           |                             |                                |                              |                        |             |  |  |
| Frequency [MHz]  |            |         |           |                             |                                |                              |                        |             |  |  |
| 10               | QPSK       | 1       | 0         | 22.74                       | 22.85                          | 22.60                        | 24                     | 0           |  |  |
| 10               | QPSK       | 1       | 25        | 22.79                       | 22.69                          | 22.47                        |                        |             |  |  |
| 10               | QPSK       | 1       | 49        | 22.50                       | 22.63                          | 22.42                        |                        |             |  |  |
| 10               | QPSK       | 25      | 0         | 21.92                       | 21.97                          | 21.83                        |                        |             |  |  |
| 10               | QPSK       | 25      | 12        | 21.91                       | 22.02                          | 21.97                        | 23                     | 1           |  |  |
| 10               | QPSK       | 25      | 25        | 21.70                       | 21.82                          | 21.63                        |                        |             |  |  |
| 10               | QPSK       | 50      | 0         | 21.72                       | 21.94                          | 21.83                        |                        |             |  |  |
| 10               | 16QAM      | 1       | 0         | 22.13                       | 22.17                          | 22.03                        |                        |             |  |  |
| 10               | 16QAM      | 1       | 25        | 22.03                       | 22.08                          | 21.93                        | 23                     | 1           |  |  |
| 10               | 16QAM      | 1       | 49        | 21.95                       | 22.03                          | 21.88                        |                        |             |  |  |
| 10               | 16QAM      | 25      | 0         | 20.93                       | 20.98                          | 20.84                        |                        |             |  |  |
| 10               | 16QAM      | 25      | 12        | 20.94                       | 20.86                          | 20.67                        |                        |             |  |  |
| 10               | 16QAM      | 25      | 25        | 20.86                       | 20.90                          | 20.65                        | 22                     | 2           |  |  |
| 10               | 16QAM      | 50      | 0         | 20.96                       | 21.00                          | 20.67                        |                        |             |  |  |
| 10               | 64QAM      | 1       | 0         | 21.11                       | 20.95                          | 20.98                        |                        |             |  |  |
| 10               | 64QAM      | 1       | 25        | 20.93                       | 20.98                          | 20.74                        |                        |             |  |  |
| 10               | 64QAM      | 1       | 49        | 20.85                       | 20.87                          | 20.62                        | 22                     | 2           |  |  |
| 10               | 64QAM      | 25      | 0         | 19.85                       | 19.93                          | 19.80                        |                        |             |  |  |
| 10               | 64QAM      | 25      | 12        | 19.96                       | 19.89                          | 19.64                        |                        |             |  |  |
| 10               | 64QAM      | 25      | 25        | 19.70                       | 19.82                          | 19.69                        |                        |             |  |  |
| 10               | 64QAM      | 50      | 0         | 19.78                       | 19.77                          | 19.72                        | 21                     | 3           |  |  |
| 10               | 256QAM     | 1       | 0         | 18.03                       | 17.86                          | 17.67                        |                        |             |  |  |
| 10               | 256QAM     | 1       | 25        | 17.92                       | 17.82                          | 17.80                        |                        |             |  |  |
| 10               | 256QAM     | 1       | 49        | 18.16                       | 18.08                          | 17.70                        |                        |             |  |  |
| 10               | 256QAM     | 25      | 0         | 17.93                       | 17.86                          | 17.65                        | 19                     | 5           |  |  |
| 10               | 256QAM     | 25      | 12        | 18.00                       | 17.73                          | 17.57                        |                        |             |  |  |
| 10               | 256QAM     | 25      | 25        | 18.20                       | 17.99                          | 17.78                        |                        |             |  |  |
| 10               | 256QAM     | 50      | 0         | 18.12                       | 18.17                          | 17.95                        |                        |             |  |  |
| Channel<br>42205 |            |         |           |                             |                                |                              |                        |             |  |  |
| Frequency [MHz]  |            |         |           |                             |                                |                              |                        |             |  |  |
| 5                | QPSK       | 1       | 0         | 22.65                       | 22.83                          | 22.72                        | 24                     | 0           |  |  |
| 5                | QPSK       | 1       | 12        | 22.80                       | 22.70                          | 22.58                        |                        |             |  |  |
| 5                | QPSK       | 1       | 24        | 22.58                       | 22.55                          | 22.50                        |                        |             |  |  |
| 5                | QPSK       | 12      | 0         | 21.99                       | 21.94                          | 21.84                        |                        |             |  |  |
| 5                | QPSK       | 12      | 7         | 21.95                       | 21.95                          | 21.70                        | 23                     | 1           |  |  |
| 5                | QPSK       | 12      | 13        | 21.69                       | 21.81                          | 21.52                        |                        |             |  |  |
| 5                | QPSK       | 25      | 0         | 21.72                       | 21.82                          | 21.64                        |                        |             |  |  |
| 5                | 16QAM      | 1       | 0         | 22.13                       | 22.31                          | 22.06                        |                        |             |  |  |
| 5                | 16QAM      | 1       | 12        | 22.01                       | 21.99                          | 21.91                        | 23                     | 1           |  |  |
| 5                | 16QAM      | 1       | 24        | 21.86                       | 21.97                          | 21.67                        |                        |             |  |  |
| 5                | 16QAM      | 12      | 0         | 20.91                       | 20.90                          | 20.78                        |                        |             |  |  |
| 5                | 16QAM      | 12      | 7         | 20.85                       | 20.82                          | 20.69                        |                        |             |  |  |
| 5                | 16QAM      | 12      | 13        | 20.69                       | 20.91                          | 20.57                        | 22                     | 2           |  |  |
| 5                | 16QAM      | 25      | 0         | 20.86                       | 20.94                          | 20.63                        |                        |             |  |  |
| 5                | 64QAM      | 1       | 0         | 21.05                       | 21.02                          | 20.96                        |                        |             |  |  |
| 5                | 64QAM      | 12      | 1         | 20.99                       | 20.98                          | 20.92                        |                        |             |  |  |
| 5                | 64QAM      | 1       | 24        | 20.83                       | 20.80                          | 20.71                        | 22                     | 2           |  |  |
| 5                | 64QAM      | 12      | 0         | 19.88                       | 19.92                          | 19.74                        |                        |             |  |  |
| 5                | 64QAM      | 12      | 7         | 19.89                       | 19.92                          | 19.74                        |                        |             |  |  |
| 5                | 64QAM      | 12      | 13        | 19.75                       | 19.77                          | 19.58                        |                        |             |  |  |
| 5                | 64QAM      | 25      | 0         | 19.70                       | 19.94                          | 19.73                        | 21                     | 3           |  |  |
| 5                | 256QAM     | 1       | 0         | 18.06                       | 17.79                          | 17.65                        |                        |             |  |  |
| 5                | 256QAM     | 1       | 12        | 17.85                       | 17.78                          | 17.67                        |                        |             |  |  |
| 5                | 256QAM     | 1       | 24        | 18.16                       | 18.14                          | 17.94                        |                        |             |  |  |
| 5                | 256QAM     | 12      | 0         | 17.84                       | 17.82                          | 17.65                        | 19                     | 5           |  |  |
| 5                | 256QAM     | 12      | 7         | 17.98                       | 17.67                          | 17.64                        |                        |             |  |  |
| 5                | 256QAM     | 12      | 13        | 18.05                       | 18.06                          | 17.81                        |                        |             |  |  |
| 5                | 256QAM     | 25      | 0         | 18.22                       | 18.16                          | 17.95                        |                        |             |  |  |

**Band 42 Part96\_Ant 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<br>43190  |            |         |           |                             |                                |                              |                        |             |    |   |
| Frequency (MHz)   |            |         |           |                             |                                |                              |                        |             |    |   |
| 20                | QPSK       | 1       | 0         | 22.98                       | 23.12                          | 22.91                        | 24                     | 0           |    |   |
| 20                | QPSK       | 1       | 48        | 22.93                       | 22.93                          | 22.82                        |                        |             |    |   |
| 20                | QPSK       | 1       | 96        | 22.79                       | 22.84                          | 22.69                        |                        |             |    |   |
| 20                | QPSK       | 50      | 0         | 22.14                       | 22.22                          | 22.02                        |                        |             |    |   |
| 20                | QPSK       | 50      | 24        | 22.10                       | 22.18                          | 21.96                        | 23                     | 1           |    |   |
| 20                | QPSK       | 50      | 48        | 22.01                       | 22.07                          | 21.92                        |                        |             |    |   |
| 20                | QPSK       | 100     | 0         | 22.05                       | 22.12                          | 21.94                        |                        |             |    |   |
| 20                | 16QAM      | 1       | 0         | 22.38                       | 22.44                          | 22.28                        |                        |             |    |   |
| 20                | 16QAM      | 1       | 48        | 22.26                       | 22.37                          | 22.18                        | 23                     | 1           |    |   |
| 20                | 16QAM      | 1       | 96        | 22.13                       | 22.23                          | 22.01                        |                        |             |    |   |
| 20                | 16QAM      | 50      | 0         | 21.14                       | 21.22                          | 21.04                        |                        |             |    |   |
| 20                | 16QAM      | 50      | 24        | 21.10                       | 21.18                          | 20.97                        |                        |             |    |   |
| 20                | 16QAM      | 50      | 50        | 21.01                       | 21.09                          | 20.89                        | 22                     | 2           |    |   |
| 20                | 16QAM      | 100     | 0         | 21.10                       | 21.18                          | 20.98                        |                        |             |    |   |
| 20                | 64QAM      | 1       | 0         | 21.26                       | 21.33                          | 21.14                        |                        |             |    |   |
| 20                | 64QAM      | 1       | 48        | 21.15                       | 21.22                          | 21.07                        |                        |             |    |   |
| 20                | 64QAM      | 1       | 96        | 21.00                       | 21.10                          | 20.88                        | 22                     | 2           |    |   |
| 20                | 64QAM      | 50      | 0         | 20.13                       | 20.20                          | 20.00                        |                        |             |    |   |
| 20                | 64QAM      | 50      | 24        | 20.08                       | 20.17                          | 19.97                        |                        |             |    |   |
| 20                | 64QAM      | 50      | 50        | 19.99                       | 20.07                          | 19.87                        |                        |             |    |   |
| 20                | 64QAM      | 100     | 0         | 20.09                       | 20.15                          | 19.94                        | 21                     | 3           |    |   |
| 20                | 256QAM     | 1       | 0         | 18.31                       | 17.94                          | 17.87                        | 19                     | 5           |    |   |
| 20                | 256QAM     | 1       | 48        | 17.13                       | 17.87                          | 17.62                        |                        |             |    |   |
| 20                | 256QAM     | 1       | 96        | 16.36                       | 16.33                          | 17.89                        |                        |             |    |   |
| 20                | 256QAM     | 50      | 0         | 18.19                       | 18.12                          | 17.87                        |                        |             |    |   |
| 20                | 256QAM     | 50      | 24        | 18.21                       | 17.82                          | 17.87                        | 19                     | 5           |    |   |
| 20                | 256QAM     | 50      | 50        | 18.19                       | 18.19                          | 18.07                        |                        |             |    |   |
| 20                | 256QAM     | 100     | 0         | 18.44                       | 18.35                          | 18.07                        |                        |             |    |   |
| Channel<br>43195  |            |         |           |                             |                                |                              |                        |             |    |   |
| Frequency (MHz)   |            |         |           |                             |                                |                              |                        |             |    |   |
| 15                | QPSK       | 1       | 0         | 22.77                       | 22.93                          | 22.63                        | 24                     | 0           |    |   |
| 15                | QPSK       | 1       | 37        | 22.82                       | 22.82                          | 22.62                        |                        |             |    |   |
| 15                | QPSK       | 1       | 74        | 22.60                       | 22.60                          | 22.56                        |                        |             |    |   |
| 15                | QPSK       | 36      | 0         | 21.99                       | 22.02                          | 21.91                        |                        |             |    |   |
| 15                | QPSK       | 36      | 20        | 21.98                       | 22.03                          | 21.72                        | 23                     | 1           |    |   |
| 15                | QPSK       | 36      | 39        | 21.81                       | 21.95                          | 21.67                        |                        |             |    |   |
| 15                | QPSK       | 75      | 0         | 21.86                       | 21.97                          | 21.75                        |                        |             |    |   |
| 15                | QPSK       | 75      | 37        | 22.19                       | 22.33                          | 22.11                        |                        |             |    |   |
| 15                | 16QAM      | 1       | 0         | 22.08                       | 22.13                          | 22.03                        | 23                     | 1           |    |   |
| 15                | 16QAM      | 1       | 37        | 22.08                       | 22.13                          | 22.03                        |                        |             |    |   |
| 15                | 16QAM      | 1       | 74        | 21.97                       | 22.01                          | 21.89                        |                        |             |    |   |
| 15                | 16QAM      | 36      | 0         | 21.02                       | 21.00                          | 20.90                        |                        |             |    |   |
| 15                | 16QAM      | 36      | 20        | 20.97                       | 20.95                          | 20.77                        | 22                     | 2           |    |   |
| 15                | 16QAM      | 36      | 39        | 20.81                       | 20.87                          | 20.73                        |                        |             |    |   |
| 15                | 16QAM      | 75      | 0         | 20.99                       | 21.05                          | 20.78                        |                        |             |    |   |
| 15                | 64QAM      | 1       | 0         | 21.15                       | 21.09                          | 21.01                        |                        |             |    |   |
| 15                | 64QAM      | 1       | 37        | 21.00                       | 21.00                          | 20.84                        | 22                     | 2           |    |   |
| 15                | 64QAM      | 1       | 74        | 20.89                       | 20.94                          | 20.76                        |                        |             |    |   |
| 15                | 64QAM      | 36      | 0         | 19.92                       | 19.96                          | 19.83                        |                        |             |    |   |
| 15                | 64QAM      | 36      | 20        | 19.94                       | 19.93                          | 19.75                        |                        |             |    |   |
| 15                | 64QAM      | 36      | 39        | 19.83                       | 19.84                          | 19.72                        | 21                     | 3           |    |   |
| 15                | 64QAM      | 75      | 0         | 19.85                       | 19.91                          | 19.82                        |                        |             |    |   |
| 15                | 256QAM     | 1       | 0         | 18.10                       | 17.83                          | 17.70                        |                        |             |    |   |
| 15                | 256QAM     | 1       | 37        | 17.86                       | 17.86                          | 17.82                        |                        |             |    |   |
| 15                | 256QAM     | 1       | 74        | 18.25                       | 18.21                          | 17.77                        | 19                     | 5           |    |   |
| 15                | 256QAM     | 36      | 0         | 17.96                       | 17.96                          | 17.88                        |                        |             |    |   |
| 15                | 256QAM     | 36      | 20        | 17.89                       | 17.79                          | 17.67                        |                        |             |    |   |
| 15                | 256QAM     | 36      | 39        | 18.26                       | 18.08                          | 17.84                        |                        |             |    |   |
| 15                | 256QAM     | 75      | 0         | 18.24                       | 18.20                          | 18.04                        | 19                     | 5           |    |   |
| Channel<br>43140  |            |         |           |                             |                                |                              |                        |             |    |   |
| Frequency (MHz)   |            |         |           |                             |                                |                              |                        |             |    |   |
| 10                | QPSK       | 1       | 0         | 22.85                       | 22.88                          | 22.73                        |                        |             | 24 | 0 |
| 10                | QPSK       | 1       | 25        | 22.80                       | 22.72                          | 22.63                        |                        |             |    |   |
| 10                | QPSK       | 1       | 48        | 22.84                       | 22.81                          | 22.58                        |                        |             |    |   |
| 10                | QPSK       | 25      | 0         | 22.01                       | 22.10                          | 21.79                        |                        |             |    |   |
| 10                | QPSK       | 25      | 12        | 21.99                       | 22.01                          | 21.75                        | 23                     | 1           |    |   |
| 10                | QPSK       | 25      | 25        | 21.88                       | 21.89                          | 21.73                        |                        |             |    |   |
| 10                | QPSK       | 50      | 0         | 21.88                       | 21.95                          | 21.75                        |                        |             |    |   |
| 10                | 16QAM      | 1       | 0         | 22.24                       | 22.29                          | 22.06                        |                        |             |    |   |
| 10                | 16QAM      | 1       | 25        | 22.14                       | 22.19                          | 22.01                        | 23                     | 1           |    |   |
| 10                | 16QAM      | 1       | 49        | 22.02                       | 22.10                          | 21.85                        |                        |             |    |   |
| 10                | 16QAM      | 25      | 0         | 20.94                       | 20.98                          | 20.82                        |                        |             |    |   |
| 10                | 16QAM      | 25      | 12        | 20.93                       | 20.98                          | 20.86                        |                        |             |    |   |
| 10                | 16QAM      | 25      | 25        | 20.86                       | 20.86                          | 20.76                        | 22                     | 2           |    |   |
| 10                | 16QAM      | 50      | 0         | 20.96                       | 21.04                          | 20.77                        |                        |             |    |   |
| 10                | 64QAM      | 1       | 0         | 21.15                       | 21.18                          | 20.90                        |                        |             |    |   |
| 10                | 64QAM      | 1       | 25        | 21.04                       | 21.07                          | 20.93                        |                        |             |    |   |
| 10                | 64QAM      | 1       | 48        | 20.80                       | 20.80                          | 20.69                        | 22                     | 2           |    |   |
| 10                | 64QAM      | 25      | 0         | 19.92                       | 19.98                          | 19.84                        |                        |             |    |   |
| 10                | 64QAM      | 25      | 12        | 19.95                       | 20.06                          | 19.84                        |                        |             |    |   |
| 10                | 64QAM      | 25      | 25        | 19.75                       | 19.75                          | 19.72                        |                        |             |    |   |
| 10                | 64QAM      | 50      | 0         | 19.98                       | 19.96                          | 19.74                        | 21                     | 3           |    |   |
| 10                | 256QAM     | 1       | 0         | 18.10                       | 17.77                          | 17.66                        |                        |             |    |   |
| 10                | 256QAM     | 25      | 0         | 17.92                       | 17.82                          | 17.50                        |                        |             |    |   |
| 10                | 256QAM     | 1       | 49        | 18.16                       | 18.21                          | 17.72                        |                        |             |    |   |
| 10                | 256QAM     | 25      | 0         | 18.02                       | 17.88                          | 17.85                        | 19                     | 5           |    |   |
| 10                | 256QAM     | 25      | 12        | 18.08                       | 17.82                          | 17.72                        |                        |             |    |   |
| 10                | 256QAM     | 25      | 25        | 18.35                       | 17.97                          | 17.88                        |                        |             |    |   |
| 10                | 256QAM     | 50      | 0         | 18.26                       | 18.14                          | 18.01                        |                        |             |    |   |
| Channel<br>3502.5 |            |         |           |                             |                                |                              |                        |             |    |   |
| Frequency (MHz)   |            |         |           |                             |                                |                              |                        |             |    |   |
| 5                 | QPSK       | 1       | 0         | 22.80                       | 22.99                          | 22.75                        | 24                     | 0           |    |   |
| 5                 | QPSK       | 1       | 24        | 22.77                       | 22.76                          | 22.70                        |                        |             |    |   |
| 5                 | QPSK       | 1       | 48        | 22.66                       | 22.56                          | 22.52                        |                        |             |    |   |
| 5                 | QPSK       | 12      | 0         | 21.86                       | 21.71                          | 21.86                        |                        |             |    |   |
| 5                 | QPSK       | 12      | 13        | 21.89                       | 21.86                          | 21.79                        | 23                     | 1           |    |   |
| 5                 | QPSK       | 26      | 0         | 22.30                       | 22.93                          | 21.72                        |                        |             |    |   |
| 5                 | 16QAM      | 1       | 0         | 22.26                       | 22.26                          | 22.08                        |                        |             |    |   |
| 5                 | 16QAM      | 1       | 12        | 22.12                       | 22.17                          | 22.04                        |                        |             |    |   |
| 5                 | 16QAM      | 1       | 24        | 21.91                       | 21.91                          | 21.79                        | 23                     | 1           |    |   |
| 5                 | 16QAM      | 12      | 0         | 20.92                       | 21.03                          | 20.85                        |                        |             |    |   |
| 5                 | 16QAM      | 12      | 7         | 20.97                       | 21.01                          | 20.86                        |                        |             |    |   |
| 5                 | 16QAM      | 13      | 0         | 20.86                       | 20.86                          | 20.67                        |                        |             |    |   |
| 5                 | 16QAM      | 25      | 0         | 20.97                       | 20.98                          | 20.81                        | 22                     | 2           |    |   |
| 5                 | 64QAM      | 1       | 0         | 21.04                       | 21.16                          | 21.02                        |                        |             |    |   |
| 5                 | 64QAM      | 1       | 12        | 20.91                       | 20.92                          | 20.84                        |                        |             |    |   |
| 5                 | 64QAM      | 1       | 24        | 20.80                       | 20.88                          | 20.69                        |                        |             |    |   |
| 5                 | 64QAM      | 12      | 0         | 20.01                       | 20.04                          | 19.80                        | 21                     | 3           |    |   |
| 5                 | 64QAM      | 12      | 13        | 19.88                       | 19.89                          | 19.86                        |                        |             |    |   |
| 5                 | 64QAM      | 12      | 13        | 19.83                       | 19.92                          | 19.70                        |                        |             |    |   |
| 5                 | 64QAM      | 25      | 0         | 19.95                       | 19.92                          | 19.78                        |                        |             |    |   |
| 5                 | 256QAM     | 1       | 0         | 18.11                       | 17.70                          | 17.67                        | 19                     | 5           |    |   |
| 5                 | 256QAM     | 1       | 12        | 17.97                       | 17.76                          | 17.89                        |                        |             |    |   |
| 5                 | 256QAM     | 12      | 0         | 17.86                       | 18.14                          | 17.65                        |                        |             |    |   |
| 5                 | 256QAM     | 12      | 13        | 17.89                       | 17.89                          | 17.66                        |                        |             |    |   |
| 5                 | 256QAM     | 12      | 13        | 18.01                       | 17.79                          | 17.66                        | 19                     | 5           |    |   |
| 5                 | 256QAM     | 25      | 0         | 18.25                       | 18.14                          | 17.84                        |                        |             |    |   |
| 5                 | 256QAM     | 25      | 0         | 18.23                       | 18.14                          | 18.04                        |                        |             |    |   |
| Channel<br>3502.5 |            |         |           |                             |                                |                              |                        |             |    |   |
| Frequency (MHz)   |            |         |           |                             |                                |                              |                        |             |    |   |
| 5                 | QPSK       | 1       | 0         | 22.85                       | 22.95                          | 22.75                        | 24                     | 0           |    |   |
| 5                 | QPSK       | 1       | 24        | 22.80                       | 22.76                          | 22.52                        |                        |             |    |   |
| 5                 | QPSK       | 12      | 0         | 21.86                       | 21.71                          | 21.86                        |                        |             |    |   |
| 5                 | QPSK       | 12      | 13        | 21.82                       | 21.93                          | 21.72                        |                        |             |    |   |
| 5                 | QPSK       | 26      | 0         | 22.30                       | 22.93                          | 21.71                        | 23                     | 1           |    |   |
| 5                 | 16QAM      | 1       | 0         | 22.26                       | 22.26                          | 22.08                        |                        |             |    |   |
| 5                 | 16QAM      | 1       | 12        | 22.12                       | 22.17                          | 22.04                        |                        |             |    |   |
| 5                 | 16QAM      | 1       | 24        | 21.91                       | 21.91                          | 21.79                        |                        |             |    |   |
| 5                 | 16QAM      | 12      | 0         | 20.92                       | 21.03                          | 20.85                        | 22                     | 2           |    |   |
| 5                 | 16QAM      | 12      | 7         | 20.97                       | 21.01                          | 20.86                        |                        |             |    |   |
| 5                 | 16QAM      | 13      | 0         | 20.86                       | 20.86                          | 20.67                        |                        |             |    |   |
| 5                 | 16QAM      | 25      | 0         | 20.97                       | 20.98                          | 20.81                        |                        |             |    |   |
| 5                 | 64QAM      | 1       | 0         | 21.04                       | 21.16                          | 21.02                        | 22                     | 2           |    |   |
| 5                 | 64QAM      | 1       | 12        | 20.91                       | 20.92                          | 20.84                        |                        |             |    |   |
| 5                 | 64QAM      | 1       | 24        | 20.80                       | 20.88                          | 20.69                        |                        |             |    |   |
| 5                 | 64QAM      | 12      | 0         | 20.01                       | 20.04                          | 19.80                        |                        |             |    |   |
| 5                 | 64QAM      | 12      | 13        | 19.88                       | 19.89                          | 19.86                        | 21                     | 3           |    |   |
| 5                 | 64QAM      | 12      | 13        | 19.83                       | 19.92                          | 19.70                        |                        |             |    |   |
| 5                 | 64QAM      | 25      | 0         | 19.95                       | 19.92                          | 19.78                        |                        |             |    |   |
| 5                 | 256QAM     | 1       | 0         | 18.11                       | 17.70                          | 17.67                        |                        |             |    |   |
| 5                 | 256QAM     | 1       | 12        | 17.97                       | 17.76                          | 17.89                        | 19                     | 5           |    |   |
| 5                 | 256QAM     | 12      | 0         | 17.86                       | 18.14                          | 17.65                        |                        |             |    |   |
| 5                 | 256QAM     | 12      | 13        | 17.89                       | 17.89                          | 17.66                        |                        |             |    |   |
| 5                 | 256QAM     | 12      | 13        | 18.01                       | 17.79                          | 17.66                        |                        |             |    |   |
| 5                 | 256QAM     | 25      | 0         | 18.25                       | 18.14                          | 17.84                        | 19                     | 5           |    |   |
| 5                 | 256QAM     | 25      | 0         | 18.23                       | 18.14                          | 18.04                        |                        |             |    |   |
| Channel<br>3502.5 |            |         |           |                             |                                |                              |                        |             |    |   |
| Frequency (MHz)   |            |         |           |                             |                                |                              |                        |             |    |   |
| 5                 | QPSK       | 1       | 0         | 22.85                       | 22.95                          | 22.75                        | 24                     | 0           |    |   |
| 5                 | QPSK       | 1       | 24        | 22.80                       | 22.76                          | 22.52                        |                        |             |    |   |
| 5                 | QPSK       | 12      | 0         | 21.86                       | 21.71                          | 21.86                        |                        |             |    |   |
| 5                 | QPSK       | 12      | 13        | 21.82                       | 21.93                          | 21.72                        |                        |             |    |   |
| 5                 | QPSK       | 26      | 0         | 22.30                       | 22.93                          | 21.71                        | 23                     | 1           |    |   |
| 5                 | 16QAM      | 1       | 0         | 22.26                       | 22.26                          | 22.08                        |                        |             |    |   |
| 5                 | 16QAM      | 1       | 12        | 22.12                       | 22.17                          | 22.04                        |                        |             |    |   |
| 5                 | 16QAM      | 1       | 24        | 21.91                       | 21.91                          | 21.79                        |                        |             |    |   |
| 5                 | 16QAM      | 12      | 0         | 20.92                       | 21.03                          | 20.85                        | 22                     | 2           |    |   |
| 5                 | 16QAM      | 12      | 7         | 20.97                       | 21.01                          | 20.86                        |                        |             |    |   |
| 5                 | 16QAM      | 13      | 0         | 20.86                       | 20.86                          | 20.67                        |                        |             |    |   |
| 5                 | 16QAM      | 25      | 0         | 20.97                       | 20.98                          | 20.81                        |                        |             |    |   |
| 5                 | 64QAM      | 1       | 0         | 21.04                       | 21.16                          | 21.02                        | 22                     | 2           |    |   |
| 5                 | 64QAM      | 1       | 12        | 20.91                       | 20.92                          | 20.84                        |                        |             |    |   |
| 5                 | 64QAM      | 1       | 24        | 20.80                       | 20.88                          | 20.69                        |                        |             |    |   |
| 5                 | 64QAM      | 12      | 0         | 20.01                       | 20.04                          | 19.80                        |                        |             |    |   |
| 5                 | 64QAM      | 12      | 13        | 19.88                       | 19.89                          | 19.86                        | 21                     | 3           |    |   |
| 5                 | 64QAM      | 12      | 13        | 19.83                       | 19.92                          | 19.70                        |                        |             |    |   |
| 5                 | 64QAM      | 25      | 0         | 19.95                       | 19.92                          | 19.78                        |                        |             |    |   |
| 5                 | 256QAM     | 1       | 0         | 18.11                       | 17.70                          | 17.67                        |                        |             |    |   |
| 5                 | 256QAM     | 1       | 12        | 17.97                       | 17.76                          | 17.89                        | 19                     | 5           |    |   |
| 5                 | 256QAM     | 12      | 0         | 17.86                       | 18.14                          | 17.65                        |                        |             |    |   |
| 5                 | 256QAM     | 12      | 13        | 17.89                       | 17.89                          | 17.66                        |                        |             |    |   |
| 5                 | 256QAM     | 12      | 13        | 18.01                       | 17.79                          | 17.66                        |                        |             |    |   |
| 5                 | 256QAM     | 25      | 0         | 18.25                       | 18.14                          | 17.84                        | 19                     | 5           |    |   |
| 5                 | 256QAM     | 25      | 0         | 18.23                       | 18.14                          | 18.04                        |                        |             |    |   |

## Band 48\_Ant 2

| BW (MHz)                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch / Freq | Power<br>Low-Middle<br>Ch / Freq | Power<br>High-Middle<br>Ch / Freq | Power<br>High<br>Ch / Freq | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|---------------------------|----------------------------------|-----------------------------------|----------------------------|------------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           | 55340                     | 55830                            | 56150                             | 56640                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 3659                      | 3659                             | 3641                              | 3660                       |                        |             |
| 20                         | QPSK       | 1       | 0         | 23.17                     | 23.05                            | 22.97                             | 22.95                      | 24                     | 0           |
| 20                         | QPSK       | 1       | 49        | 23.10                     | 23.07                            | 23.05                             | 23.06                      |                        |             |
| 20                         | QPSK       | 1       | 99        | 22.89                     | 22.98                            | 22.96                             | 23.08                      |                        |             |
| 20                         | QPSK       | 50      | 0         | 22.15                     | 22.14                            | 22.04                             | 21.98                      |                        |             |
| 20                         | QPSK       | 50      | 24        | 22.11                     | 22.03                            | 22.01                             | 22.04                      | 23                     | 1           |
| 20                         | QPSK       | 50      | 50        | 22.08                     | 22.00                            | 21.98                             | 22.05                      |                        |             |
| 20                         | QPSK       | 100     | 0         | 22.10                     | 22.09                            | 21.85                             | 22.04                      |                        |             |
| 20                         | 16QAM      | 1       | 0         | 22.15                     | 22.12                            | 22.08                             | 22.10                      |                        |             |
| 20                         | 16QAM      | 1       | 49        | 22.17                     | 22.03                            | 22.14                             | 22.06                      | 23                     | 1           |
| 20                         | 16QAM      | 1       | 99        | 22.08                     | 22.00                            | 21.85                             | 21.92                      |                        |             |
| 20                         | 16QAM      | 50      | 0         | 21.14                     | 21.08                            | 21.05                             | 21.02                      |                        |             |
| 20                         | 16QAM      | 50      | 24        | 21.12                     | 21.03                            | 21.04                             | 21.05                      |                        |             |
| 20                         | 16QAM      | 50      | 50        | 21.09                     | 21.06                            | 21.00                             | 20.98                      | 22                     | 2           |
| 20                         | 16QAM      | 100     | 0         | 21.13                     | 21.08                            | 21.04                             | 21.05                      |                        |             |
| 20                         | 64QAM      | 1       | 0         | 21.11                     | 21.02                            | 21.02                             | 21.01                      |                        |             |
| 20                         | 64QAM      | 1       | 49        | 21.10                     | 21.07                            | 20.99                             | 20.95                      |                        |             |
| 20                         | 64QAM      | 1       | 99        | 21.02                     | 20.91                            | 20.95                             | 20.91                      | 22                     | 2           |
| 20                         | 64QAM      | 50      | 0         | 20.13                     | 20.04                            | 20.10                             | 20.03                      |                        |             |
| 20                         | 64QAM      | 50      | 24        | 20.11                     | 20.07                            | 20.06                             | 19.98                      |                        |             |
| 20                         | 64QAM      | 50      | 50        | 20.10                     | 19.99                            | 20.01                             | 19.97                      |                        |             |
| 20                         | 64QAM      | 100     | 0         | 20.09                     | 20.03                            | 20.00                             | 20.02                      | 21                     | 3           |
| 20                         | 256QAM     | 1       | 0         | 18.00                     | 17.87                            | 17.93                             | 17.95                      |                        |             |
| 20                         | 256QAM     | 1       | 49        | 17.89                     | 17.84                            | 17.80                             | 17.74                      |                        |             |
| 20                         | 256QAM     | 1       | 99        | 18.03                     | 17.89                            | 17.98                             | 17.91                      |                        |             |
| 20                         | 256QAM     | 50      | 0         | 17.89                     | 17.79                            | 17.84                             | 17.79                      | 19                     | 5           |
| 20                         | 256QAM     | 50      | 24        | 17.91                     | 17.81                            | 17.82                             | 17.81                      |                        |             |
| 20                         | 256QAM     | 50      | 50        | 17.89                     | 17.83                            | 17.87                             | 17.88                      |                        |             |
| 20                         | 256QAM     | 100     | 0         | 17.98                     | 17.88                            | 17.84                             | 17.86                      |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 35515                     | 35820                            | 36140                             | 36505                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15                         | QPSK       | 1       | 0         | 23.00                     | 22.83                            | 22.80                             | 22.82                      | 24                     | 0           |
| 15                         | QPSK       | 1       | 49        | 22.91                     | 22.85                            | 22.94                             | 22.85                      |                        |             |
| 15                         | QPSK       | 1       | 74        | 22.85                     | 22.81                            | 22.79                             | 22.84                      |                        |             |
| 15                         | QPSK       | 36      | 0         | 21.94                     | 21.97                            | 21.86                             | 21.83                      |                        |             |
| 15                         | 16QAM      | 36      | 0         | 21.94                     | 21.92                            | 21.80                             | 21.80                      | 23                     | 1           |
| 15                         | QPSK       | 36      | 39        | 21.84                     | 21.77                            | 21.85                             | 21.91                      |                        |             |
| 15                         | QPSK       | 75      | 0         | 21.86                     | 21.88                            | 21.74                             | 21.87                      |                        |             |
| 15                         | 16QAM      | 1       | 6         | 22.04                     | 22.01                            | 21.85                             | 21.87                      |                        |             |
| 15                         | 16QAM      | 1       | 37        | 22.06                     | 21.92                            | 21.99                             | 21.85                      | 23                     | 1           |
| 15                         | 16QAM      | 1       | 74        | 21.92                     | 21.89                            | 21.79                             | 21.78                      |                        |             |
| 15                         | 16QAM      | 36      | 0         | 20.91                     | 20.84                            | 20.94                             | 20.87                      |                        |             |
| 15                         | 16QAM      | 36      | 20        | 20.94                     | 20.79                            | 20.90                             | 20.83                      |                        |             |
| 15                         | 16QAM      | 36      | 39        | 20.85                     | 20.87                            | 20.76                             | 20.74                      | 22                     | 2           |
| 15                         | 16QAM      | 75      | 0         | 20.89                     | 20.92                            | 20.80                             | 20.87                      |                        |             |
| 15                         | 64QAM      | 1       | 0         | 20.87                     | 20.91                            | 20.91                             | 20.88                      |                        |             |
| 15                         | 64QAM      | 1       | 37        | 20.89                     | 20.95                            | 20.84                             | 20.75                      |                        |             |
| 15                         | 64QAM      | 1       | 74        | 20.80                     | 20.79                            | 20.76                             | 20.76                      | 22                     | 2           |
| 15                         | 64QAM      | 36      | 0         | 19.91                     | 19.92                            | 19.95                             | 19.92                      |                        |             |
| 15                         | 64QAM      | 36      | 20        | 19.91                     | 19.84                            | 19.92                             | 19.78                      |                        |             |
| 15                         | 64QAM      | 36      | 39        | 19.92                     | 19.87                            | 19.85                             | 19.80                      |                        |             |
| 15                         | 64QAM      | 75      | 0         | 19.92                     | 19.87                            | 19.78                             | 19.78                      | 21                     | 3           |
| 15                         | 256QAM     | 1       | 0         | 17.80                     | 17.72                            | 17.70                             | 17.75                      |                        |             |
| 15                         | 256QAM     | 1       | 37        | 17.72                     | 17.72                            | 17.60                             | 17.51                      |                        |             |
| 15                         | 256QAM     | 1       | 74        | 17.87                     | 17.74                            | 17.87                             | 17.79                      |                        |             |
| 15                         | 256QAM     | 36      | 0         | 17.76                     | 17.59                            | 17.60                             | 17.57                      | 19                     | 5           |
| 15                         | 256QAM     | 36      | 20        | 17.69                     | 17.61                            | 17.68                             | 17.63                      |                        |             |
| 15                         | 256QAM     | 36      | 39        | 17.77                     | 17.71                            | 17.73                             | 17.73                      |                        |             |
| 15                         | 256QAM     | 75      | 0         | 17.78                     | 17.74                            | 17.67                             | 17.75                      |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 35250                     | 35615                            | 36140                             | 36505                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10                         | QPSK       | 1       | 0         | 23.02                     | 22.90                            | 22.85                             | 22.75                      | 24                     | 0           |
| 10                         | QPSK       | 1       | 25        | 22.91                     | 22.91                            | 22.93                             | 22.88                      |                        |             |
| 10                         | QPSK       | 1       | 49        | 22.88                     | 22.77                            | 22.82                             | 22.83                      |                        |             |
| 10                         | QPSK       | 25      | 0         | 21.91                     | 22.03                            | 21.93                             | 21.83                      |                        |             |
| 10                         | QPSK       | 25      | 12        | 21.87                     | 21.86                            | 21.86                             | 21.92                      | 23                     | 1           |
| 10                         | QPSK       | 25      | 25        | 21.87                     | 21.76                            | 21.82                             | 21.85                      |                        |             |
| 10                         | QPSK       | 50      | 0         | 21.86                     | 21.91                            | 21.72                             | 21.89                      |                        |             |
| 10                         | 16QAM      | 1       | 0         | 22.00                     | 21.94                            | 21.88                             | 21.89                      |                        |             |
| 10                         | 16QAM      | 1       | 25        | 21.99                     | 21.83                            | 22.03                             | 21.97                      | 23                     | 1           |
| 10                         | 16QAM      | 1       | 49        | 21.94                     | 21.87                            | 21.72                             | 21.75                      |                        |             |
| 10                         | 16QAM      | 25      | 0         | 20.87                     | 20.87                            | 20.83                             | 20.80                      |                        |             |
| 10                         | 16QAM      | 25      | 12        | 20.95                     | 20.89                            | 20.93                             | 20.89                      |                        |             |
| 10                         | 16QAM      | 25      | 25        | 20.93                     | 20.95                            | 20.76                             | 20.79                      | 22                     | 2           |
| 10                         | 16QAM      | 50      | 0         | 20.93                     | 20.96                            | 20.81                             | 20.83                      |                        |             |
| 10                         | 64QAM      | 1       | 0         | 20.87                     | 20.86                            | 20.91                             | 20.86                      |                        |             |
| 10                         | 64QAM      | 1       | 25        | 20.90                     | 20.85                            | 20.77                             | 20.84                      |                        |             |
| 10                         | 64QAM      | 1       | 49        | 20.85                     | 20.89                            | 20.83                             | 20.79                      | 22                     | 2           |
| 10                         | 64QAM      | 25      | 0         | 19.91                     | 19.87                            | 19.86                             | 19.87                      |                        |             |
| 10                         | 64QAM      | 25      | 12        | 19.98                     | 19.85                            | 19.94                             | 19.76                      |                        |             |
| 10                         | 64QAM      | 25      | 25        | 19.87                     | 19.81                            | 19.89                             | 19.77                      |                        |             |
| 10                         | 64QAM      | 50      | 0         | 19.85                     | 19.88                            | 19.87                             | 19.83                      | 21                     | 3           |
| 10                         | 256QAM     | 1       | 0         | 17.82                     | 17.67                            | 17.76                             | 17.71                      |                        |             |
| 10                         | 256QAM     | 1       | 25        | 17.70                     | 17.53                            | 17.55                             | 17.62                      |                        |             |
| 10                         | 256QAM     | 1       | 49        | 17.80                     | 17.73                            | 17.74                             | 17.67                      |                        |             |
| 10                         | 256QAM     | 25      | 0         | 17.68                     | 17.63                            | 17.63                             | 17.57                      | 19                     | 5           |
| 10                         | 256QAM     | 25      | 12        | 17.69                     | 17.70                            | 17.70                             | 17.60                      |                        |             |
| 10                         | 256QAM     | 25      | 25        | 17.87                     | 17.70                            | 17.74                             | 17.71                      |                        |             |
| 10                         | 256QAM     | 50      | 0         | 17.80                     | 17.64                            | 17.64                             | 17.75                      |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 35255                     | 35810                            | 36170                             | 36715                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5                          | QPSK       | 1       | 0         | 23.05                     | 22.92                            | 22.73                             | 22.77                      | 24                     | 0           |
| 5                          | QPSK       | 1       | 12        | 22.98                     | 22.89                            | 22.82                             | 22.88                      |                        |             |
| 5                          | QPSK       | 1       | 24        | 22.83                     | 22.77                            | 22.81                             | 22.92                      |                        |             |
| 5                          | QPSK       | 12      | 0         | 21.91                     | 21.95                            | 21.88                             | 21.79                      |                        |             |
| 5                          | QPSK       | 12      | 7         | 21.93                     | 21.79                            | 21.90                             | 21.84                      | 23                     | 1           |
| 5                          | QPSK       | 12      | 13        | 21.92                     | 21.87                            | 21.76                             | 21.83                      |                        |             |
| 5                          | QPSK       | 25      | 0         | 21.85                     | 21.92                            | 21.82                             | 21.87                      |                        |             |
| 5                          | 16QAM      | 1       | 0         | 21.97                     | 21.89                            | 21.95                             | 21.89                      |                        |             |
| 5                          | 16QAM      | 1       | 12        | 21.88                     | 21.80                            | 21.93                             | 21.92                      | 23                     | 1           |
| 5                          | 16QAM      | 1       | 24        | 21.82                     | 21.62                            | 21.75                             | 21.79                      |                        |             |
| 5                          | 16QAM      | 12      | 0         | 20.90                     | 20.93                            | 20.87                             | 20.80                      |                        |             |
| 5                          | 16QAM      | 12      | 7         | 20.98                     | 20.88                            | 20.85                             | 20.88                      |                        |             |
| 5                          | 16QAM      | 12      | 13        | 20.89                     | 20.93                            | 20.88                             | 20.76                      | 22                     | 2           |
| 5                          | 16QAM      | 25      | 0         | 21.02                     | 20.97                            | 20.84                             | 20.81                      |                        |             |
| 5                          | 64QAM      | 1       | 0         | 20.97                     | 20.86                            | 20.79                             | 20.79                      |                        |             |
| 5                          | 64QAM      | 1       | 12        | 20.97                     | 20.89                            | 20.76                             | 20.76                      |                        |             |
| 5                          | 64QAM      | 1       | 24        | 20.83                     | 20.77                            | 20.78                             | 20.69                      | 22                     | 2           |
| 5                          | 64QAM      | 12      | 0         | 20.00                     | 19.93                            | 19.96                             | 19.83                      |                        |             |
| 5                          | 64QAM      | 12      | 7         | 19.96                     | 19.84                            | 19.89                             | 19.84                      |                        |             |
| 5                          | 64QAM      | 12      | 13        | 19.93                     | 19.88                            | 19.79                             | 19.79                      |                        |             |
| 5                          | 64QAM      | 25      | 0         | 19.85                     | 19.92                            | 19.87                             | 19.90                      | 21                     | 3           |
| 5                          | 256QAM     | 1       | 0         | 17.84                     | 17.64                            | 17.82                             | 17.74                      |                        |             |
| 5                          | 256QAM     | 1       | 12        | 17.67                     | 17.62                            | 17.59                             | 17.52                      |                        |             |
| 5                          | 256QAM     | 1       | 24        | 17.92                     | 17.76                            | 17.81                             | 17.67                      |                        |             |
| 5                          | 256QAM     | 12      | 0         | 17.78                     | 17.58                            | 17.62                             | 17.63                      | 19                     | 5           |
| 5                          | 256QAM     | 12      | 7         | 17.67                     | 17.66                            | 17.67                             | 17.60                      |                        |             |
| 5                          | 256QAM     | 12      | 13        | 17.86                     | 17.69                            | 17.75                             | 17.70                      |                        |             |
| 5                          | 256QAM     | 25      | 0         | 17.84                     | 17.71                            | 17.61                             | 17.68                      |                        |             |

## Reduced Power for State 1

### <GSM>

| GSM850_Ant 0    | Burst Average Power (dBm) |       |       | Tune-up | Frame Average Power (dBm) |       |       | Tune-up |
|-----------------|---------------------------|-------|-------|---------|---------------------------|-------|-------|---------|
|                 | TX Channel                | 128   | 189   | 251     | Limit                     | 128   | 189   | 251     |
| Frequency (MHz) | 824.2                     | 834.4 | 844.8 | (dBm)   | 824.2                     | 834.4 | 844.8 | (dBm)   |
| GSM 1 Tx slot   | 27.53                     | 28.02 | 27.80 | 29.00   | 18.53                     | 19.02 | 18.90 | 20.00   |
| GPRS 1 Tx slot  | 27.91                     | 28.00 | 27.88 | 29.00   | 18.91                     | 19.00 | 18.88 | 20.00   |
| GPRS 2 Tx slots | 27.37                     | 27.45 | 27.30 | 28.50   | 21.37                     | 21.45 | 21.35 | 22.50   |
| GPRS 3 Tx slots | 26.25                     | 26.30 | 26.20 | 27.00   | 21.99                     | 22.04 | 21.94 | 22.74   |
| GPRS 4 Tx slots | 24.67                     | 24.73 | 24.64 | 25.50   | 21.67                     | 21.73 | 21.64 | 22.50   |
| EDGE 1 Tx slot  | 22.63                     | 22.96 | 22.80 | 24.00   | 13.63                     | 13.92 | 13.86 | 15.00   |
| EDGE 2 Tx slots | 21.85                     | 21.93 | 21.94 | 23.00   | 16.85                     | 16.93 | 16.94 | 17.00   |
| EDGE 3 Tx slots | 20.23                     | 20.37 | 20.28 | 21.50   | 15.97                     | 16.11 | 16.02 | 17.24   |
| EDGE 4 Tx slots | 19.34                     | 19.35 | 19.33 | 20.10   | 16.34                     | 16.35 | 16.33 | 17.10   |

| GSM1900_Ant 2   | Burst Average Power (dBm) |       |        | Tune-up | Frame Average Power (dBm) |       |        | Tune-up |
|-----------------|---------------------------|-------|--------|---------|---------------------------|-------|--------|---------|
|                 | TX Channel                | 512   | 861    | 810     | Limit                     | 512   | 861    | 810     |
| Frequency (MHz) | 1850.2                    | 1880  | 1909.8 | (dBm)   | 1850.2                    | 1880  | 1909.8 | (dBm)   |
| GSM 1 Tx slot   | 27.61                     | 27.62 | 27.59  | 28.00   | 18.61                     | 18.62 | 18.58  | 19.00   |
| GPRS 1 Tx slot  | 27.59                     | 27.66 | 27.56  | 28.00   | 18.59                     | 18.63 | 18.58  | 19.00   |
| GPRS 2 Tx slots | 27.54                     | 27.57 | 27.50  | 28.00   | 21.54                     | 21.57 | 21.50  | 22.00   |
| GPRS 3 Tx slots | 26.81                     | 26.87 | 26.60  | 28.00   | 21.55                     | 21.61 | 21.34  | 21.74   |
| GPRS 4 Tx slots | 24.22                     | 24.34 | 24.15  | 24.50   | 21.22                     | 21.34 | 21.15  | 21.50   |
| EDGE 1 Tx slot  | 25.71                     | 25.71 | 25.81  | 26.80   | 16.71                     | 16.71 | 16.81  | 17.80   |
| EDGE 2 Tx slots | 24.55                     | 24.78 | 24.74  | 26.00   | 16.55                     | 16.78 | 16.74  | 20.00   |
| EDGE 3 Tx slots | 22.97                     | 23.01 | 22.87  | 24.00   | 16.71                     | 16.75 | 16.61  | 19.74   |
| EDGE 4 Tx slots | 21.98                     | 22.04 | 22.01  | 23.00   | 16.98                     | 19.04 | 19.01  | 20.00   |

### <WCDMA>

| Band            | WCDMA_R_Ant 2           |       |       | Tune-up | WCDMA_R_Ant 2 |        |        | Tune-up | WCDMA_V_Ant 0 |       |       | Tune-up |
|-----------------|-------------------------|-------|-------|---------|---------------|--------|--------|---------|---------------|-------|-------|---------|
|                 | TX Channel              | 9262  | 9400  | 9538    | Limit         | 1312   | 1413   | 1513    | Limit         | 4132  | 4182  | 4233    |
| Frequency (MHz) | 9662                    | 9800  | 9938  | (dBm)   | 1712.4        | 1732.6 | 1752.6 | (dBm)   | 4357          | 4407  | 4458  | (dBm)   |
| 3GPP Rel 99     | AMR 12.2kbits           | 17.55 | 17.71 | 18.06   | 19.00         | 19.65  | 19.51  | 19.76   | 21.00         | 23.00 | 23.05 | 23.01   |
| 3GPP Rel 99     | AMR 12.2kbits           | 18.57 | 19.21 | 19.05   | 19.00         | 19.68  | 19.83  | 19.78   | 21.00         | 23.05 | 23.10 | 23.04   |
| 3GPP Rel 6      | HSDPA Subtest-1         | 16.90 | 16.68 | 17.17   | 18.00         | 18.89  | 18.94  | 18.96   | 19.50         | 22.00 | 22.19 | 21.99   |
| 3GPP Rel 6      | HSDPA Subtest-2         | 16.97 | 16.68 | 17.20   | 18.00         | 18.91  | 18.88  | 18.97   | 19.50         | 22.00 | 22.25 | 22.02   |
| 3GPP Rel 6      | HSDPA Subtest-3         | 16.48 | 16.22 | 16.76   | 17.50         | 18.43  | 18.52  | 18.54   | 19.00         | 21.55 | 21.80 | 21.59   |
| 3GPP Rel 6      | HSDPA Subtest-4         | 16.50 | 16.27 | 16.69   | 17.50         | 18.35  | 18.47  | 18.52   | 19.00         | 21.55 | 21.79 | 21.51   |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 16.79 | 16.70 | 17.14   | 18.00         | 18.78  | 18.96  | 18.92   | 19.50         | 21.98 | 22.16 | 21.83   |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 16.80 | 16.62 | 17.12   | 18.00         | 18.85  | 18.87  | 18.92   | 19.50         | 21.95 | 22.23 | 22.01   |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 16.42 | 16.12 | 16.55   | 17.50         | 18.47  | 18.49  | 18.48   | 19.00         | 21.53 | 21.78 | 21.55   |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 16.32 | 16.15 | 16.65   | 17.50         | 18.34  | 18.39  | 18.43   | 19.00         | 21.52 | 21.75 | 21.50   |
| 3GPP Rel 6      | HSUPA Subtest-1         | 15.55 | 15.53 | 15.58   | 17.50         | 17.95  | 17.11  | 17.05   | 19.00         | 19.99 | 20.00 | 20.05   |
| 3GPP Rel 6      | HSUPA Subtest-2         | 14.83 | 14.53 | 15.16   | 16.00         | 16.95  | 16.91  | 16.95   | 17.50         | 20.01 | 20.04 | 20.10   |
| 3GPP Rel 6      | HSUPA Subtest-3         | 15.84 | 15.67 | 16.12   | 17.00         | 17.76  | 17.83  | 17.83   | 19.00         | 21.04 | 21.00 | 21.06   |
| 3GPP Rel 6      | HSUPA Subtest-4         | 14.46 | 14.07 | 14.54   | 15.50         | 16.37  | 16.47  | 16.48   | 17.00         | 19.60 | 19.60 | 19.62   |
| 3GPP Rel 6      | HSUPA Subtest-5         | 15.51 | 15.50 | 16.08   | 17.50         | 17.90  | 18.04  | 17.95   | 19.00         | 21.00 | 21.00 | 21.10   |
| 3GPP Rel 7      | HSUPA (HSCAM) Subtest-1 | 15.05 | 15.06 | 15.15   | 17.00         | 16.64  | 16.67  | 16.61   | 18.50         | 20.00 | 20.02 | 20.05   |

Band 2\_Ant 2

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq<br>1700 | Power Middle<br>Ch. Freq<br>1800 | Power High<br>Ch. Freq<br>19100 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|---------------------------------|------------------------|-------------|
| Channel         |            |         |           |                               |                                  |                                 |                        |             |
| Frequency (MHz) |            |         |           |                               |                                  |                                 |                        |             |
| 20              | QPSK       | 1       | 0         | 18.74                         | 18.67                            | 18.76                           |                        |             |
| 20              | QPSK       | 1       | 49        | 18.62                         | 18.58                            | 18.74                           | 19.5                   | 0           |
| 20              | QPSK       | 1       | 99        | 18.73                         | 18.56                            | 18.61                           |                        |             |
| 20              | QPSK       | 50      | 0         | 18.71                         | 18.78                            | 18.70                           | 19.5                   | 0           |
| 20              | QPSK       | 50      | 24        | 18.68                         | 18.62                            | 18.66                           |                        |             |
| 20              | QPSK       | 50      | 50        | 18.65                         | 18.59                            | 18.67                           |                        |             |
| 20              | QPSK       | 100     | 0         | 18.68                         | 18.69                            | 18.62                           |                        |             |
| 20              | 16QAM      | 1       | 0         | 18.73                         | 18.63                            | 18.71                           |                        |             |
| 20              | 16QAM      | 1       | 49        | 18.64                         | 18.64                            | 18.68                           | 19.5                   | 0           |
| 20              | 16QAM      | 1       | 99        | 18.67                         | 18.56                            | 18.71                           |                        |             |
| 20              | 16QAM      | 50      | 0         | 18.62                         | 18.69                            | 18.73                           |                        |             |
| 20              | 16QAM      | 50      | 24        | 18.75                         | 18.63                            | 18.68                           | 19.5                   | 0           |
| 20              | 16QAM      | 50      | 50        | 18.65                         | 18.50                            | 18.62                           |                        |             |
| 20              | 16QAM      | 100     | 0         | 18.75                         | 18.58                            | 18.67                           |                        |             |
| 20              | 64QAM      | 1       | 0         | 18.73                         | 18.58                            | 18.72                           |                        |             |
| 20              | 64QAM      | 1       | 49        | 18.69                         | 18.63                            | 18.61                           | 19.5                   | 0           |
| 20              | 64QAM      | 1       | 99        | 18.63                         | 18.61                            | 18.64                           |                        |             |
| 20              | 64QAM      | 50      | 0         | 18.69                         | 18.64                            | 18.63                           |                        |             |
| 20              | 64QAM      | 50      | 24        | 18.65                         | 18.64                            | 18.65                           | 19.5                   | 0           |
| 20              | 64QAM      | 50      | 50        | 18.64                         | 18.73                            | 18.73                           |                        |             |
| 20              | 64QAM      | 100     | 0         | 18.67                         | 18.56                            | 18.66                           |                        |             |
| 20              | 256QAM     | 1       | 0         | 18.65                         | 18.64                            | 18.74                           |                        |             |
| 20              | 256QAM     | 1       | 49        | 18.63                         | 18.64                            | 18.68                           | 19.5                   | 0           |
| 20              | 256QAM     | 1       | 99        | 18.60                         | 18.55                            | 18.64                           |                        |             |
| 20              | 256QAM     | 50      | 0         | 18.65                         | 18.70                            | 18.72                           |                        |             |
| 20              | 256QAM     | 50      | 24        | 18.70                         | 18.53                            | 18.57                           | 19.5                   | 0           |
| 20              | 256QAM     | 50      | 50        | 18.57                         | 18.52                            | 18.57                           |                        |             |
| 20              | 256QAM     | 100     | 0         | 18.65                         | 18.59                            | 18.70                           |                        |             |
| Channel         |            |         |           |                               |                                  |                                 |                        |             |
| Frequency (MHz) |            |         |           |                               |                                  |                                 |                        |             |
| 15              | QPSK       | 1       | 0         | 18.63                         | 18.60                            | 18.63                           |                        |             |
| 15              | QPSK       | 1       | 37        | 18.69                         | 18.57                            | 18.74                           | 19.5                   | 0           |
| 15              | QPSK       | 1       | 74        | 18.64                         | 18.67                            | 18.70                           |                        |             |
| 15              | QPSK       | 36      | 36        | 18.68                         | 18.65                            | 18.65                           |                        |             |
| 15              | QPSK       | 36      | 36        | 18.67                         | 18.58                            | 18.72                           | 19.5                   | 0           |
| 15              | QPSK       | 36      | 36        | 18.73                         | 18.60                            | 18.72                           |                        |             |
| 15              | QPSK       | 75      | 75        | 18.63                         | 18.61                            | 18.65                           |                        |             |
| 15              | 16QAM      | 1       | 0         | 18.74                         | 18.58                            | 18.65                           |                        |             |
| 15              | 16QAM      | 1       | 37        | 18.63                         | 18.60                            | 18.64                           | 19.5                   | 0           |
| 15              | 16QAM      | 1       | 74        | 18.65                         | 18.62                            | 18.71                           |                        |             |
| 15              | 16QAM      | 36      | 20        | 18.66                         | 18.59                            | 18.62                           | 19.5                   | 0           |
| 15              | 16QAM      | 36      | 36        | 18.70                         | 18.63                            | 18.63                           |                        |             |
| 15              | 16QAM      | 75      | 0         | 18.66                         | 18.59                            | 18.69                           |                        |             |
| 15              | 64QAM      | 1       | 0         | 18.65                         | 18.63                            | 18.72                           |                        |             |
| 15              | 64QAM      | 1       | 37        | 18.64                         | 18.71                            | 18.71                           | 19.5                   | 0           |
| 15              | 64QAM      | 1       | 74        | 18.74                         | 18.63                            | 18.65                           |                        |             |
| 15              | 64QAM      | 36      | 20        | 18.75                         | 18.66                            | 18.63                           |                        |             |
| 15              | 64QAM      | 36      | 36        | 18.72                         | 18.61                            | 18.65                           | 19.5                   | 0           |
| 15              | 64QAM      | 36      | 36        | 18.73                         | 18.64                            | 18.74                           |                        |             |
| 15              | 64QAM      | 75      | 0         | 18.64                         | 18.65                            | 18.67                           |                        |             |
| 15              | 256QAM     | 1       | 0         | 18.64                         | 18.68                            | 18.66                           |                        |             |
| 15              | 256QAM     | 1       | 37        | 18.73                         | 18.55                            | 18.76                           | 19.5                   | 0           |
| 15              | 256QAM     | 1       | 74        | 18.62                         | 18.64                            | 18.67                           |                        |             |
| 15              | 256QAM     | 36      | 20        | 18.68                         | 18.56                            | 18.75                           |                        |             |
| 15              | 256QAM     | 36      | 36        | 18.62                         | 18.66                            | 18.53                           | 19.5                   | 0           |
| 15              | 256QAM     | 75      | 0         | 18.72                         | 18.56                            | 18.58                           |                        |             |
| Channel         |            |         |           |                               |                                  |                                 |                        |             |
| Frequency (MHz) |            |         |           |                               |                                  |                                 |                        |             |
| 10              | QPSK       | 1       | 0         | 18.70                         | 18.60                            | 18.70                           |                        |             |
| 10              | QPSK       | 1       | 26        | 18.67                         | 18.63                            | 18.67                           | 19.5                   | 0           |
| 10              | QPSK       | 1       | 49        | 18.64                         | 18.67                            | 18.71                           |                        |             |
| 10              | QPSK       | 25      | 0         | 18.74                         | 18.58                            | 18.63                           |                        |             |
| 10              | QPSK       | 25      | 12        | 18.72                         | 18.56                            | 18.63                           | 19.5                   | 0           |
| 10              | QPSK       | 25      | 26        | 18.67                         | 18.56                            | 18.71                           |                        |             |
| 10              | QPSK       | 50      | 0         | 18.62                         | 18.57                            | 18.66                           |                        |             |
| 10              | 16QAM      | 1       | 0         | 18.73                         | 18.65                            | 18.68                           |                        |             |
| 10              | 16QAM      | 1       | 26        | 18.63                         | 18.56                            | 18.72                           | 19.5                   | 0           |
| 10              | 16QAM      | 1       | 49        | 18.69                         | 18.66                            | 18.73                           |                        |             |
| 10              | 16QAM      | 25      | 12        | 18.62                         | 18.56                            | 18.61                           |                        |             |
| 10              | 16QAM      | 25      | 12        | 18.63                         | 18.68                            | 18.64                           | 19.5                   | 0           |
| 10              | 16QAM      | 25      | 26        | 18.67                         | 18.60                            | 18.66                           |                        |             |
| 10              | 16QAM      | 50      | 0         | 18.64                         | 18.60                            | 18.71                           |                        |             |
| 10              | 64QAM      | 1       | 0         | 18.70                         | 18.57                            | 18.73                           | 19.5                   | 0           |
| 10              | 64QAM      | 1       | 26        | 18.67                         | 18.63                            | 18.69                           |                        |             |
| 10              | 64QAM      | 1       | 49        | 18.63                         | 18.60                            | 18.69                           |                        |             |
| 10              | 64QAM      | 25      | 0         | 18.70                         | 18.57                            | 18.71                           |                        |             |
| 10              | 64QAM      | 25      | 12        | 18.67                         | 18.63                            | 18.72                           | 19.5                   | 0           |
| 10              | 64QAM      | 25      | 26        | 18.67                         | 18.59                            | 18.73                           |                        |             |
| 10              | 256QAM     | 1       | 0         | 18.72                         | 18.56                            | 18.65                           |                        |             |
| 10              | 256QAM     | 1       | 26        | 18.73                         | 18.50                            | 18.73                           | 19.5                   | 0           |
| 10              | 256QAM     | 1       | 49        | 18.62                         | 18.68                            | 18.68                           |                        |             |
| 10              | 256QAM     | 25      | 0         | 18.58                         | 18.70                            | 18.77                           |                        |             |
| 10              | 256QAM     | 25      | 12        | 18.65                         | 18.62                            | 18.67                           | 19.5                   | 0           |
| 10              | 256QAM     | 25      | 26        | 18.54                         | 18.63                            | 18.66                           |                        |             |
| 10              | 256QAM     | 50      | 0         | 18.70                         | 18.60                            | 18.65                           |                        |             |
| Channel         |            |         |           |                               |                                  |                                 |                        |             |
| Frequency (MHz) |            |         |           |                               |                                  |                                 |                        |             |
| 5               | QPSK       | 1       | 0         | 18.72                         | 18.58                            | 18.63                           |                        |             |
| 5               | QPSK       | 1       | 12        | 18.64                         | 18.62                            | 18.68                           | 19.5                   | 0           |
| 5               | QPSK       | 1       | 24        | 18.63                         | 18.56                            | 18.68                           |                        |             |
| 5               | QPSK       | 12      | 0         | 18.72                         | 18.60                            | 18.69                           |                        |             |
| 5               | QPSK       | 12      | 7         | 18.67                         | 18.62                            | 18.63                           | 19.5                   | 0           |
| 5               | QPSK       | 12      | 13        | 18.67                         | 18.59                            | 18.64                           |                        |             |
| 5               | QPSK       | 25      | 0         | 18.66                         | 18.68                            | 18.61                           |                        |             |
| 5               | 16QAM      | 1       | 0         | 18.69                         | 18.59                            | 18.64                           | 19.5                   | 0           |
| 5               | 16QAM      | 1       | 12        | 18.68                         | 18.60                            | 18.74                           |                        |             |
| 5               | 16QAM      | 1       | 24        | 18.67                         | 18.66                            | 18.74                           |                        |             |
| 5               | 16QAM      | 12      | 0         | 18.68                         | 18.65                            | 18.74                           | 19.5                   | 0           |
| 5               | 16QAM      | 12      | 7         | 18.64                         | 18.64                            | 18.64                           |                        |             |
| 5               | 16QAM      | 12      | 13        | 18.68                         | 18.59                            | 18.71                           |                        |             |
| 5               | 16QAM      | 25      | 0         | 18.63                         | 18.66                            | 18.66                           |                        |             |
| 5               | 64QAM      | 1       | 0         | 18.69                         | 18.59                            | 18.73                           | 19.5                   | 0           |
| 5               | 64QAM      | 1       | 12        | 18.71                         | 18.67                            | 18.61                           |                        |             |
| 5               | 64QAM      | 1       | 24        | 18.71                         | 18.62                            | 18.73                           |                        |             |
| 5               | 64QAM      | 12      | 0         | 18.64                         | 18.69                            | 18.67                           |                        |             |
| 5               | 64QAM      | 12      | 7         | 18.63                         | 18.56                            | 18.70                           | 19.5                   | 0           |
| 5               | 64QAM      | 12      | 13        | 18.64                         | 18.56                            | 18.61                           |                        |             |
| 5               | 64QAM      | 25      | 0         | 18.65                         | 18.67                            | 18.67                           |                        |             |
| 5               | 256QAM     | 1       | 0         | 18.70                         | 18.68                            | 18.68                           |                        |             |
| 5               | 256QAM     | 1       | 12        | 18.66                         | 18.61                            | 18.71                           | 19.5                   | 0           |
| 5               | 256QAM     | 1       | 24        | 18.55                         | 18.64                            | 18.65                           |                        |             |
| 5               | 256QAM     | 12      | 0         | 18.65                         | 18.68                            | 18.76                           |                        |             |
| 5               | 256QAM     | 12      | 7         | 18.74                         | 18.57                            | 18.61                           | 19.5                   | 0           |
| 5               | 256QAM     | 12      | 13        | 18.64                         | 18.57                            | 18.56                           |                        |             |
| 5               | 256QAM     | 25      | 0         | 18.73                         | 18.55                            | 18.65                           |                        |             |
| Channel         |            |         |           |                               |                                  |                                 |                        |             |
| Frequency (MHz) |            |         |           |                               |                                  |                                 |                        |             |
| 3               | QPSK       | 1       | 0         | 18.65                         | 18.60                            | 18.70                           |                        |             |
| 3               | QPSK       | 1       | 8         | 18.73                         | 18.58                            | 18.70                           | 19.5                   | 0           |
| 3               | QPSK       | 1       | 14        | 18.63                         | 18.56                            | 18.63                           |                        |             |
| 3               | QPSK       | 6       | 0         | 18.70                         | 18.67                            | 18.67                           |                        |             |
| 3               | QPSK       | 6       | 4         | 18.69                         | 18.68                            | 18.67                           | 19.5                   | 0           |
| 3               | QPSK       | 6       | 8         | 18.67                         | 18.65                            | 18.73                           |                        |             |
| 3               | QPSK       | 15      | 0         | 18.73                         | 18.63                            | 18.70                           |                        |             |
| 3               | 16QAM      | 1       | 0         | 18.62                         | 18.62                            | 18.68                           |                        |             |
| 3               | 16QAM      | 1       | 8         | 18.66                         | 18.56                            | 18.62                           | 19.5                   | 0           |
| 3               | 16QAM      | 1       | 14        | 18.63                         | 18.59                            | 18.67                           |                        |             |
| 3               | 16QAM      | 6       | 0         | 18.67                         | 18.56                            | 18.68                           |                        |             |
| 3               | 16QAM      | 6       | 4         | 18.72                         | 18.57                            | 18.73                           | 19.5                   | 0           |
| 3               | 16QAM      | 15      | 0         | 18.62                         | 18.63                            | 18.67                           |                        |             |
| 3               | 64QAM      | 1       | 0         | 18.70                         | 18.56                            | 18.61                           |                        |             |
| 3               | 64QAM      | 1       | 8         | 18.63                         | 18.69                            | 18.66                           | 19.5                   | 0           |
| 3               | 64QAM      | 1       | 14        | 18.62                         | 18.62                            | 18.68                           |                        |             |
| 3               | 64QAM      | 6       | 0         | 18.69                         | 18.61                            | 18.69                           |                        |             |
| 3               | 64QAM      | 6       | 4         | 18.64                         | 18.57                            | 18.61                           | 19.5                   | 0           |
| 3               | 64QAM      | 6       | 8         | 18.67                         | 18.57                            | 18.74                           |                        |             |
| 3               | 64QAM      | 15      | 0         | 18.73                         | 18.67                            | 18.73                           |                        |             |
| 3               | 256QAM     | 1       | 0         | 18.66                         | 18.59                            | 18.65                           |                        |             |
| 3               | 256QAM     | 1       | 8         | 18.65                         | 18.58                            | 18.68                           | 19.5                   | 0           |
| 3               | 256QAM     | 1       | 14        | 18.57                         | 18.58                            | 18.68                           |                        |             |
| 3               | 256QAM     | 6       | 0         | 18.58                         | 18.72                            | 18.70                           |                        |             |
| 3               | 256QAM     | 6       | 4         | 18.71                         | 18.57                            | 18.54                           | 19.5                   | 0           |
| 3               | 256QAM     | 6       | 7         | 18.63                         | 18.49                            | 18.62                           |                        |             |
| 3               | 256QAM     | 15      | 0         | 18.69                         | 18.64                            | 18.63                           |                        |             |
| Channel         |            |         |           |                               |                                  |                                 |                        |             |
| Frequency (MHz) |            |         |           |                               |                                  |                                 |                        |             |
| 1.4             | QPSK       | 1       | 0         | 18.72                         | 18.57                            | 18.63                           |                        |             |
| 1.4             | QPSK       | 1       | 3         | 18.65                         | 18.59                            | 18.73                           | 19.5                   | 0           |
| 1.4             | QPSK       | 1       | 6         | 18.73                         | 18.59                            | 18.68                           |                        |             |
| 1.4             | QPSK       | 3       | 0         | 18.68                         | 18.63                            | 18.66                           |                        |             |
| 1.4             | QPSK       | 3       | 1         | 18.69                         | 18.62                            | 18.71                           |                        |             |
| 1.4             | QPSK       | 3       | 3         | 18.74                         | 18.69                            | 18.73                           | 19.5                   | 0           |
| 1.4             | QPSK       | 6       | 0         | 18.67                         | 18.62                            | 18.69                           |                        |             |
| 1.4             | 16QAM      | 1       | 0         | 18.71                         | 18.61                            | 18.70                           |                        |             |
| 1.4             | 16QAM      | 1       | 3         | 18.71                         | 18.67                            | 18.68                           |                        |             |
| 1.4             | 16QAM      | 1       | 6         | 18.72                         | 18.69                            | 18.73                           | 19.5                   | 0           |
| 1.4             | 16QAM      | 3       | 0         | 18.71                         | 18.62                            | 18.67                           |                        |             |
| 1.4             | 16QAM      | 3       | 1         | 18.71                         | 18.60                            | 18.71                           |                        |             |
| 1.4             | 16QAM      | 3       | 3         | 18.68                         | 18.59                            | 18.64                           | 19.5                   | 0           |
| 1.4             | 16QAM      | 6       | 0         | 18.72                         | 18.61                            | 18.72                           |                        |             |
| 1.4             | 16QAM      | 6       | 3         | 18.66                         | 18.56                            | 18.67                           |                        |             |
| 1.4             | 64QAM      | 1       | 0         | 18.74                         | 18.57                            | 18.69                           |                        |             |
| 1.4             | 64QAM      | 1       | 3         | 18.66                         | 18.67                            | 18.66                           | 19.5                   | 0           |
| 1.4             | 64QAM      | 1       | 6         | 18.63                         | 18.64                            | 18.73                           |                        |             |
| 1.4             | 64QAM      | 3       | 0         | 18.74                         | 18.70                            | 18.70                           |                        |             |
| 1.4             | 64QAM      | 3       | 3         | 18.61                         | 18.61                            | 18.61                           | 19.5                   | 0           |
| 1.4             | 64QAM      | 6       | 0         | 18.63                         | 18.62                            | 18.63                           | 19.5                   | 0           |
| 1.4             | 256QAM     | 1       | 0         | 18.67                         | 18.61                            | 18.74                           |                        |             |
| 1.4             | 256QAM     | 1       | 3         | 18.71                         | 18.63                            | 18.70                           |                        |             |
| 1.4             | 256QAM     | 1       | 6         |                               |                                  |                                 |                        |             |

## Band 5\_Ant 0

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>26025 | Power Middle<br>Ch. Freq.<br>26025 | Power High<br>Ch. Freq.<br>26050 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|---------------------------------|------------------------------------|----------------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 10              | QPSK       | 1       | 0       | 23.98     | 24.05                           | 24.03                              | 25                               | 0                      |             |
| 10              | QPSK       | 1       | 26      | 23.92     | 23.94                           | 24.01                              |                                  |                        |             |
| 10              | QPSK       | 1       | 21.03   | 24.01     | 24.00                           |                                    |                                  |                        |             |
| 10              | QPSK       | 25      | 0       | 22.92     | 23.08                           | 23.03                              |                                  |                        |             |
| 10              | QPSK       | 25      | 12      | 22.89     | 22.96                           | 22.92                              | 24                               | 1                      |             |
| 10              | QPSK       | 25      | 25      | 22.88     | 22.98                           | 23.02                              |                                  |                        |             |
| 10              | QPSK       | 50      | 0       | 22.89     | 23.05                           | 23.01                              |                                  |                        |             |
| 10              | 16QAM      | 1       | 0       | 23.09     | 23.31                           | 23.24                              |                                  |                        |             |
| 10              | 16QAM      | 1       | 26      | 23.06     | 23.10                           | 23.17                              | 24                               | 1                      |             |
| 10              | 16QAM      | 1       | 49      | 23.23     | 23.10                           | 23.20                              |                                  |                        |             |
| 10              | 16QAM      | 25      | 0       | 21.97     | 22.02                           | 22.02                              |                                  |                        |             |
| 10              | 16QAM      | 25      | 12      | 21.93     | 21.97                           | 21.94                              |                                  |                        |             |
| 10              | 16QAM      | 25      | 25      | 21.89     | 21.89                           | 22.03                              | 23                               | 2                      |             |
| 10              | 16QAM      | 50      | 0       | 21.83     | 21.83                           | 22.06                              |                                  |                        |             |
| 10              | 64QAM      | 1       | 0       | 22.07     | 22.13                           | 22.09                              |                                  |                        |             |
| 10              | 64QAM      | 1       | 26      | 22.01     | 22.16                           | 22.03                              |                                  |                        |             |
| 10              | 64QAM      | 1       | 49      | 22.18     | 22.08                           | 22.22                              | 23                               | 2                      |             |
| 10              | 64QAM      | 25      | 0       | 20.98     | 20.93                           | 21.06                              |                                  |                        |             |
| 10              | 64QAM      | 25      | 12      | 20.95     | 20.95                           | 21.00                              |                                  |                        |             |
| 10              | 64QAM      | 25      | 25      | 20.95     | 20.91                           | 21.11                              |                                  |                        |             |
| 10              | 64QAM      | 50      | 0       | 20.94     | 20.92                           | 21.07                              | 22                               | 3                      |             |
| 10              | 256QAM     | 1       | 0       | 18.68     | 18.70                           | 18.70                              |                                  |                        |             |
| 10              | 256QAM     | 1       | 26      | 18.62     | 18.76                           | 18.66                              |                                  |                        |             |
| 10              | 256QAM     | 1       | 49      | 18.79     | 18.98                           | 18.89                              |                                  |                        |             |
| 10              | 256QAM     | 25      | 0       | 18.69     | 18.83                           | 18.69                              | 20                               | 5                      |             |
| 10              | 256QAM     | 25      | 12      | 18.56     | 18.75                           | 18.67                              |                                  |                        |             |
| 10              | 256QAM     | 25      | 25      | 18.64     | 18.83                           | 18.74                              |                                  |                        |             |
| 10              | 256QAM     | 50      | 0       | 18.72     | 18.85                           | 18.68                              |                                  |                        |             |
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 5               | QPSK       | 1       | 0       | 23.83     | 23.88                           | 23.97                              | 25                               | 0                      |             |
| 5               | QPSK       | 1       | 12      | 23.82     | 23.78                           | 23.85                              |                                  |                        |             |
| 5               | QPSK       | 1       | 21.81   | 23.90     | 23.83                           |                                    |                                  |                        |             |
| 5               | QPSK       | 12      | 0       | 22.81     | 22.88                           | 22.93                              |                                  |                        |             |
| 5               | QPSK       | 12      | 7       | 22.78     | 22.79                           | 22.77                              | 24                               | 1                      |             |
| 5               | QPSK       | 12      | 13      | 22.73     | 22.79                           | 22.86                              |                                  |                        |             |
| 5               | QPSK       | 26      | 0       | 22.77     | 22.81                           | 22.88                              |                                  |                        |             |
| 5               | 16QAM      | 1       | 0       | 22.97     | 23.17                           | 23.11                              |                                  |                        |             |
| 5               | 16QAM      | 1       | 12      | 22.91     | 23.00                           | 23.05                              | 23                               | 1                      |             |
| 5               | 16QAM      | 1       | 24      | 23.04     | 22.99                           | 23.14                              |                                  |                        |             |
| 5               | 16QAM      | 12      | 0       | 21.82     | 21.74                           | 21.94                              |                                  |                        |             |
| 5               | 16QAM      | 12      | 7       | 21.77     | 21.91                           | 21.88                              |                                  |                        |             |
| 5               | 16QAM      | 12      | 13      | 21.70     | 21.80                           | 21.99                              | 23                               | 2                      |             |
| 5               | 16QAM      | 25      | 0       | 21.84     | 21.81                           | 21.97                              |                                  |                        |             |
| 5               | 64QAM      | 1       | 0       | 21.90     | 21.97                           | 22.01                              |                                  |                        |             |
| 5               | 64QAM      | 1       | 12      | 21.80     | 22.07                           | 21.94                              |                                  |                        |             |
| 5               | 64QAM      | 1       | 24      | 22.10     | 21.92                           | 22.15                              | 23                               | 2                      |             |
| 5               | 64QAM      | 12      | 0       | 20.85     | 20.81                           | 20.96                              |                                  |                        |             |
| 5               | 64QAM      | 12      | 7       | 20.89     | 20.81                           | 20.87                              |                                  |                        |             |
| 5               | 64QAM      | 12      | 13      | 20.89     | 20.84                           | 21.01                              |                                  |                        |             |
| 5               | 256QAM     | 25      | 0       | 20.82     | 20.79                           | 20.95                              | 22                               | 3                      |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.67                           | 18.58                              |                                  |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.67                           | 18.58                              |                                  |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.67                           | 18.58                              |                                  |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.67                           | 18.58                              | 20                               | 5                      |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.67                           | 18.58                              |                                  |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.67                           | 18.58                              |                                  |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.67                           | 18.58                              |                                  |                        |             |
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 3               | QPSK       | 1       | 0       | 23.79     | 23.89                           | 23.88                              | 25                               | 0                      |             |
| 3               | QPSK       | 1       | 8       | 23.78     | 23.87                           | 23.95                              |                                  |                        |             |
| 3               | QPSK       | 1       | 23.75   | 23.93     | 23.90                           |                                    |                                  |                        |             |
| 3               | QPSK       | 8       | 0       | 22.80     | 22.90                           | 22.87                              |                                  |                        |             |
| 3               | QPSK       | 8       | 4       | 22.80     | 22.79                           | 22.78                              | 24                               | 1                      |             |
| 3               | QPSK       | 8       | 7       | 22.79     | 22.79                           | 22.91                              |                                  |                        |             |
| 3               | QPSK       | 15      | 0       | 22.74     | 22.83                           | 22.85                              |                                  |                        |             |
| 3               | 16QAM      | 1       | 0       | 22.34     | 23.21                           | 23.18                              |                                  |                        |             |
| 3               | 16QAM      | 1       | 8       | 22.94     | 22.98                           | 23.10                              | 24                               | 1                      |             |
| 3               | 16QAM      | 1       | 14      | 23.09     | 23.02                           | 23.05                              |                                  |                        |             |
| 3               | 16QAM      | 8       | 0       | 21.90     | 21.94                           | 21.99                              |                                  |                        |             |
| 3               | 16QAM      | 8       | 4       | 21.74     | 21.83                           | 21.85                              |                                  |                        |             |
| 3               | 16QAM      | 8       | 7       | 21.82     | 21.74                           | 21.92                              | 23                               | 2                      |             |
| 3               | 16QAM      | 15      | 0       | 21.82     | 21.77                           | 21.95                              |                                  |                        |             |
| 3               | 64QAM      | 1       | 0       | 21.98     | 22.01                           | 21.92                              |                                  |                        |             |
| 3               | 64QAM      | 1       | 8       | 21.87     | 22.10                           | 21.92                              |                                  |                        |             |
| 3               | 64QAM      | 1       | 14      | 22.01     | 21.90                           | 22.08                              | 23                               | 2                      |             |
| 3               | 64QAM      | 8       | 0       | 20.83     | 20.78                           | 20.97                              |                                  |                        |             |
| 3               | 64QAM      | 8       | 4       | 20.75     | 20.76                           | 20.84                              |                                  |                        |             |
| 3               | 64QAM      | 8       | 7       | 20.80     | 20.77                           | 20.98                              |                                  |                        |             |
| 3               | 64QAM      | 15      | 0       | 20.84     | 20.78                           | 20.95                              | 22                               | 3                      |             |
| 3               | 256QAM     | 1       | 0       | 18.62     | 18.73                           | 18.64                              |                                  |                        |             |
| 3               | 256QAM     | 1       | 8       | 18.50     | 18.72                           | 18.50                              |                                  |                        |             |
| 3               | 256QAM     | 1       | 14      | 18.73     | 18.67                           | 18.74                              |                                  |                        |             |
| 3               | 256QAM     | 8       | 0       | 18.50     | 18.70                           | 18.53                              | 20                               | 5                      |             |
| 3               | 256QAM     | 8       | 4       | 18.49     | 18.67                           | 18.56                              |                                  |                        |             |
| 3               | 256QAM     | 8       | 7       | 18.48     | 18.74                           | 18.60                              |                                  |                        |             |
| 3               | 256QAM     | 15      | 0       | 18.63     | 18.70                           | 18.62                              |                                  |                        |             |
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 1.4             | QPSK       | 1       | 0       | 23.91     | 23.90                           | 23.93                              | 25                               | 0                      |             |
| 1.4             | QPSK       | 1       | 0       | 23.74     | 23.81                           | 23.94                              |                                  |                        |             |
| 1.4             | QPSK       | 1       | 26      | 23.75     | 23.95                           | 23.89                              |                                  |                        |             |
| 1.4             | QPSK       | 3       | 0       | 23.76     | 23.93                           | 23.88                              |                                  |                        |             |
| 1.4             | QPSK       | 3       | 1       | 23.81     | 23.86                           | 23.76                              | 24                               | 1                      |             |
| 1.4             | QPSK       | 3       | 3       | 23.73     | 23.77                           | 23.83                              |                                  |                        |             |
| 1.4             | QPSK       | 6       | 0       | 22.80     | 22.96                           | 22.83                              |                                  |                        |             |
| 1.4             | 16QAM      | 1       | 0       | 23.02     | 23.18                           | 23.18                              |                                  |                        |             |
| 1.4             | 16QAM      | 1       | 3       | 23.00     | 23.02                           | 22.99                              | 24                               | 1                      |             |
| 1.4             | 16QAM      | 1       | 5       | 23.12     | 22.91                           | 23.13                              |                                  |                        |             |
| 1.4             | 16QAM      | 3       | 0       | 22.91     | 22.83                           | 22.83                              |                                  |                        |             |
| 1.4             | 16QAM      | 3       | 1       | 22.84     | 22.79                           | 22.81                              |                                  |                        |             |
| 1.4             | 16QAM      | 3       | 3       | 22.77     | 22.83                           | 22.92                              | 23                               | 2                      |             |
| 1.4             | 16QAM      | 6       | 0       | 21.84     | 21.70                           | 21.97                              |                                  |                        |             |
| 1.4             | 64QAM      | 1       | 0       | 21.92     | 21.97                           | 22.01                              |                                  |                        |             |
| 1.4             | 64QAM      | 1       | 3       | 21.86     | 21.96                           | 21.92                              |                                  |                        |             |
| 1.4             | 64QAM      | 1       | 5       | 22.05     | 21.97                           | 22.16                              | 23                               | 2                      |             |
| 1.4             | 64QAM      | 3       | 0       | 21.87     | 21.86                           | 21.92                              |                                  |                        |             |
| 1.4             | 64QAM      | 3       | 1       | 21.79     | 21.90                           | 21.93                              |                                  |                        |             |
| 1.4             | 64QAM      | 3       | 3       | 21.89     | 21.81                           | 21.93                              |                                  |                        |             |
| 1.4             | 64QAM      | 6       | 0       | 20.75     | 20.81                           | 21.01                              | 22                               | 3                      |             |
| 1.4             | 256QAM     | 1       | 0       | 18.52     | 18.78                           | 18.53                              |                                  |                        |             |
| 1.4             | 256QAM     | 1       | 3       | 18.54     | 18.65                           | 18.51                              |                                  |                        |             |
| 1.4             | 256QAM     | 1       | 5       | 18.65     | 18.86                           | 18.71                              |                                  |                        |             |
| 1.4             | 256QAM     | 3       | 0       | 18.57     | 18.65                           | 18.55                              | 20                               | 5                      |             |
| 1.4             | 256QAM     | 3       | 1       | 18.45     | 18.69                           | 18.53                              |                                  |                        |             |
| 1.4             | 256QAM     | 3       | 3       | 18.56     | 18.61                           | 18.61                              |                                  |                        |             |
| 1.4             | 256QAM     | 6       | 0       | 18.93     | 18.72                           | 18.61                              |                                  |                        |             |

## Band 7\_Ant 4

| BW (MHz)                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq.<br>20850 | Power<br>Mid<br>Ch. / Freq.<br>21100 | Power<br>High<br>Ch. / Freq.<br>21350 | Tune-up Init<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|--------------------------------------|--------------------------------------|---------------------------------------|-----------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                      |                                       | Tune-up Init<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           |                                      |                                      |                                       |                       |             |
| 20                         | QPSK       | 1       | 0         | 14.61                                | 14.61                                | 14.70                                 | 15.5                  | 0           |
| 20                         | QPSK       | 1       | 49        | 14.66                                | 14.72                                | 14.74                                 |                       |             |
| 20                         | QPSK       | 1       | 99        | 14.73                                | 14.77                                | 14.86                                 |                       |             |
| 20                         | QPSK       | 50      | 0         | 14.59                                | 14.71                                | 14.71                                 |                       |             |
| 20                         | QPSK       | 50      | 24        | 14.62                                | 14.61                                | 14.83                                 | 15.5                  | 0           |
| 20                         | QPSK       | 50      | 50        | 14.71                                | 14.75                                | 14.83                                 |                       |             |
| 20                         | QPSK       | 100     | 0         | 14.70                                | 14.73                                | 14.81                                 |                       |             |
| 20                         | 16QAM      | 1       | 0         | 14.64                                | 14.69                                | 14.80                                 |                       |             |
| 20                         | 16QAM      | 1       | 49        | 14.68                                | 14.71                                | 14.70                                 | 15.5                  | 0           |
| 20                         | 16QAM      | 1       | 99        | 14.63                                | 14.67                                | 14.80                                 |                       |             |
| 20                         | 16QAM      | 50      | 0         | 14.62                                | 14.65                                | 14.72                                 |                       |             |
| 20                         | 16QAM      | 50      | 24        | 14.61                                | 14.62                                | 14.77                                 |                       |             |
| 20                         | 16QAM      | 50      | 50        | 14.66                                | 14.69                                | 14.74                                 | 15.5                  | 0           |
| 20                         | 16QAM      | 100     | 0         | 14.59                                | 14.72                                | 14.73                                 |                       |             |
| 20                         | 64QAM      | 1       | 0         | 14.61                                | 14.63                                | 14.77                                 |                       |             |
| 20                         | 64QAM      | 1       | 49        | 14.61                                | 14.69                                | 14.76                                 | 15.5                  | 0           |
| 20                         | 64QAM      | 1       | 99        | 14.63                                | 14.63                                | 14.71                                 |                       |             |
| 20                         | 64QAM      | 50      | 0         | 14.68                                | 14.72                                | 14.71                                 | 15.5                  | 0           |
| 20                         | 64QAM      | 50      | 24        | 14.60                                | 14.70                                | 14.72                                 |                       |             |
| 20                         | 64QAM      | 50      | 50        | 14.65                                | 14.68                                | 14.79                                 |                       |             |
| 20                         | 64QAM      | 100     | 0         | 14.65                                | 14.70                                | 14.78                                 |                       |             |
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                      |                                       | Tune-up Init<br>(dBm) | MPR<br>(dB) |
| 15                         | QPSK       | 1       | 0         | 14.59                                | 14.63                                | 14.78                                 | 15.5                  | 0           |
| 15                         | QPSK       | 1       | 37        | 14.59                                | 14.63                                | 14.71                                 |                       |             |
| 15                         | QPSK       | 1       | 74        | 14.61                                | 14.68                                | 14.75                                 |                       |             |
| 15                         | QPSK       | 36      | 0         | 14.62                                | 14.66                                | 14.72                                 |                       |             |
| 15                         | QPSK       | 36      | 20        | 14.58                                | 14.65                                | 14.77                                 | 15.5                  | 0           |
| 15                         | QPSK       | 36      | 36        | 14.66                                | 14.70                                | 14.72                                 |                       |             |
| 15                         | QPSK       | 75      | 0         | 14.67                                | 14.65                                | 14.71                                 |                       |             |
| 15                         | 16QAM      | 1       | 0         | 14.58                                | 14.67                                | 14.74                                 |                       |             |
| 15                         | 16QAM      | 1       | 37        | 14.62                                | 14.69                                | 14.76                                 | 15.5                  | 0           |
| 15                         | 16QAM      | 1       | 74        | 14.67                                | 14.69                                | 14.78                                 |                       |             |
| 15                         | 16QAM      | 36      | 36        | 14.61                                | 14.70                                | 14.76                                 |                       |             |
| 15                         | 16QAM      | 36      | 20        | 14.61                                | 14.70                                | 14.75                                 |                       |             |
| 15                         | 16QAM      | 36      | 36        | 14.66                                | 14.65                                | 14.74                                 | 15.5                  | 0           |
| 15                         | 16QAM      | 75      | 75        | 14.62                                | 14.67                                | 14.67                                 |                       |             |
| 15                         | 64QAM      | 1       | 0         | 14.57                                | 14.70                                | 14.70                                 |                       |             |
| 15                         | 64QAM      | 1       | 37        | 14.59                                | 14.68                                | 14.81                                 | 15.5                  | 0           |
| 15                         | 64QAM      | 74      | 74        | 14.68                                | 14.68                                | 14.75                                 |                       |             |
| 15                         | 64QAM      | 36      | 0         | 14.59                                | 14.71                                | 14.76                                 | 15.5                  | 0           |
| 15                         | 64QAM      | 36      | 20        | 14.61                                | 14.69                                | 14.72                                 |                       |             |
| 15                         | 64QAM      | 36      | 36        | 14.61                                | 14.61                                | 14.70                                 |                       |             |
| 15                         | 64QAM      | 75      | 0         | 14.60                                | 14.65                                | 14.71                                 |                       |             |
| 15                         | 256QAM     | 1       | 0         | 14.61                                | 14.71                                | 14.81                                 | 15.5                  | 0           |
| 15                         | 256QAM     | 1       | 37        | 14.63                                | 14.72                                | 14.79                                 |                       |             |
| 15                         | 256QAM     | 1       | 74        | 14.68                                | 14.68                                | 14.81                                 |                       |             |
| 15                         | 256QAM     | 36      | 36        | 14.64                                | 14.64                                | 14.74                                 |                       |             |
| 15                         | 256QAM     | 36      | 20        | 14.57                                | 14.65                                | 14.70                                 | 15.5                  | 0           |
| 15                         | 256QAM     | 36      | 36        | 14.60                                | 14.63                                | 14.75                                 |                       |             |
| 15                         | 256QAM     | 75      | 75        | 14.61                                | 14.64                                | 14.73                                 |                       |             |
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                      |                                       | Tune-up Init<br>(dBm) | MPR<br>(dB) |
| 10                         | QPSK       | 1       | 0         | 14.58                                | 14.72                                | 14.78                                 | 15.5                  | 0           |
| 10                         | QPSK       | 1       | 25        | 14.60                                | 14.72                                | 14.78                                 |                       |             |
| 10                         | QPSK       | 1       | 49        | 14.67                                | 14.71                                | 14.75                                 |                       |             |
| 10                         | QPSK       | 25      | 0         | 14.57                                | 14.61                                | 14.70                                 |                       |             |
| 10                         | QPSK       | 25      | 12        | 14.62                                | 14.66                                | 14.74                                 | 15.5                  | 0           |
| 10                         | QPSK       | 25      | 25        | 14.62                                | 14.69                                | 14.80                                 |                       |             |
| 10                         | QPSK       | 50      | 0         | 14.67                                | 14.69                                | 14.72                                 |                       |             |
| 10                         | 16QAM      | 1       | 0         | 14.64                                | 14.72                                | 14.72                                 |                       |             |
| 10                         | 16QAM      | 1       | 25        | 14.63                                | 14.62                                | 14.80                                 | 15.5                  | 0           |
| 10                         | 16QAM      | 1       | 49        | 14.64                                | 14.63                                | 14.71                                 |                       |             |
| 10                         | 16QAM      | 25      | 25        | 14.61                                | 14.71                                | 14.80                                 |                       |             |
| 10                         | 16QAM      | 25      | 12        | 14.59                                | 14.66                                | 14.74                                 |                       |             |
| 10                         | 16QAM      | 25      | 25        | 14.67                                | 14.67                                | 14.70                                 | 15.5                  | 0           |
| 10                         | 16QAM      | 50      | 50        | 14.59                                | 14.71                                | 14.75                                 |                       |             |
| 10                         | 64QAM      | 1       | 0         | 14.62                                | 14.61                                | 14.79                                 |                       |             |
| 10                         | 64QAM      | 1       | 25        | 14.65                                | 14.61                                | 14.72                                 | 15.5                  | 0           |
| 10                         | 64QAM      | 49      | 49        | 14.63                                | 14.65                                | 14.74                                 |                       |             |
| 10                         | 64QAM      | 25      | 0         | 14.66                                | 14.69                                | 14.74                                 | 15.5                  | 0           |
| 10                         | 64QAM      | 25      | 25        | 14.64                                | 14.68                                | 14.81                                 |                       |             |
| 10                         | 64QAM      | 25      | 25        | 14.60                                | 14.70                                | 14.80                                 |                       |             |
| 10                         | 64QAM      | 50      | 0         | 14.67                                | 14.65                                | 14.71                                 |                       |             |
| 10                         | 256QAM     | 1       | 0         | 14.67                                | 14.68                                | 14.80                                 | 15.5                  | 0           |
| 10                         | 256QAM     | 1       | 25        | 14.66                                | 14.65                                | 14.81                                 |                       |             |
| 10                         | 256QAM     | 1       | 49        | 14.62                                | 14.61                                | 14.81                                 | 15.5                  | 0           |
| 10                         | 256QAM     | 25      | 25        | 14.65                                | 14.71                                | 14.81                                 |                       |             |
| 10                         | 256QAM     | 25      | 12        | 14.58                                | 14.61                                | 14.78                                 |                       |             |
| 10                         | 256QAM     | 50      | 50        | 14.63                                | 14.64                                | 14.74                                 |                       |             |
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                      |                                       | Tune-up Init<br>(dBm) | MPR<br>(dB) |
| 5                          | QPSK       | 1       | 0         | 14.65                                | 14.68                                | 14.80                                 | 15.5                  | 0           |
| 5                          | QPSK       | 1       | 12        | 14.60                                | 14.65                                | 14.80                                 |                       |             |
| 5                          | QPSK       | 1       | 24        | 14.68                                | 14.62                                | 14.71                                 |                       |             |
| 5                          | QPSK       | 12      | 0         | 14.68                                | 14.63                                | 14.77                                 |                       |             |
| 5                          | QPSK       | 12      | 7         | 14.60                                | 14.61                                | 14.74                                 | 15.5                  | 0           |
| 5                          | QPSK       | 13      | 12        | 14.66                                | 14.67                                | 14.80                                 |                       |             |
| 5                          | QPSK       | 25      | 0         | 14.58                                | 14.65                                | 14.73                                 |                       |             |
| 5                          | 16QAM      | 1       | 0         | 14.61                                | 14.64                                | 14.70                                 |                       |             |
| 5                          | 16QAM      | 1       | 12        | 14.61                                | 14.67                                | 14.75                                 | 15.5                  | 0           |
| 5                          | 16QAM      | 1       | 24        | 14.59                                | 14.64                                | 14.70                                 |                       |             |
| 5                          | 16QAM      | 12      | 12        | 14.59                                | 14.71                                | 14.75                                 |                       |             |
| 5                          | 16QAM      | 12      | 7         | 14.67                                | 14.68                                | 14.78                                 |                       |             |
| 5                          | 16QAM      | 12      | 13        | 14.64                                | 14.72                                | 14.79                                 | 15.5                  | 0           |
| 5                          | 16QAM      | 25      | 25        | 14.67                                | 14.61                                | 14.71                                 |                       |             |
| 5                          | 64QAM      | 1       | 0         | 14.63                                | 14.61                                | 14.81                                 |                       |             |
| 5                          | 64QAM      | 1       | 12        | 14.58                                | 14.66                                | 14.81                                 | 15.5                  | 0           |
| 5                          | 64QAM      | 24      | 24        | 14.57                                | 14.67                                | 14.70                                 |                       |             |
| 5                          | 64QAM      | 12      | 0         | 14.57                                | 14.67                                | 14.73                                 | 15.5                  | 0           |
| 5                          | 64QAM      | 12      | 7         | 14.67                                | 14.67                                | 14.72                                 |                       |             |
| 5                          | 64QAM      | 12      | 13        | 14.71                                | 14.71                                | 14.72                                 |                       |             |
| 5                          | 64QAM      | 25      | 0         | 14.67                                | 14.70                                | 14.70                                 |                       |             |
| 5                          | 256QAM     | 1       | 0         | 14.68                                | 14.68                                | 14.75                                 | 15.5                  | 0           |
| 5                          | 256QAM     | 1       | 12        | 14.62                                | 14.70                                | 14.80                                 |                       |             |
| 5                          | 256QAM     | 1       | 24        | 14.57                                | 14.62                                | 14.71                                 | 15.5                  | 0           |
| 5                          | 256QAM     | 12      | 12        | 14.59                                | 14.61                                | 14.74                                 |                       |             |
| 5                          | 256QAM     | 12      | 7         | 14.57                                | 14.70                                | 14.75                                 |                       |             |
| 5                          | 256QAM     | 25      | 25        | 14.57                                | 14.70                                | 14.72                                 |                       |             |

## Band 12\_Ant 0

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 2000 | Power Middle Ch. / Freq. 2000 | Power High Ch. / Freq. 2110 | Tune-up limit (dBm) | MPR (dB) |  |
|-----------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|---------------------|----------|--|
| Channel         |            |         |           |                            |                               |                             |                     |          |  |
| Frequency (MHz) |            |         |           |                            |                               |                             |                     |          |  |
| 10              | QPSK       | 1       | 0         | 24.15                      | 24.15                         | 24.15                       | 25                  | 0        |  |
| 10              | QPSK       | 1       | 25        | 24.07                      | 24.15                         | 24.03                       |                     |          |  |
| 10              | QPSK       | 1       | 49        | 24.12                      | 24.07                         | 24.10                       |                     |          |  |
| 10              | QPSK       | 25      | 0         | 23.10                      | 23.13                         | 23.11                       |                     |          |  |
| 10              | QPSK       | 25      | 12        | 23.00                      | 23.07                         | 23.09                       | 24                  | 1        |  |
| 10              | QPSK       | 25      | 25        | 23.09                      | 23.10                         | 23.10                       |                     |          |  |
| 10              | QPSK       | 50      | 0         | 23.11                      | 23.12                         | 23.11                       |                     |          |  |
| 10              | 16QAM      | 1       | 0         | 23.30                      | 23.37                         | 23.39                       |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 23.26                      | 23.36                         | 23.32                       | 24                  | 1        |  |
| 10              | 16QAM      | 1       | 49        | 23.32                      | 23.35                         | 23.38                       |                     |          |  |
| 10              | 16QAM      | 25      | 0         | 22.06                      | 21.99                         | 22.05                       |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 22.02                      | 22.06                         | 22.11                       |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 22.11                      | 22.12                         | 22.10                       | 23                  | 2        |  |
| 10              | 16QAM      | 50      | 0         | 22.14                      | 22.02                         | 22.11                       |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 22.34                      | 22.16                         | 22.35                       |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 22.25                      | 22.24                         | 22.17                       | 23                  | 2        |  |
| 10              | 64QAM      | 1       | 49        | 22.28                      | 22.35                         | 22.41                       |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 21.09                      | 21.02                         | 21.04                       |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 21.04                      | 21.06                         | 21.08                       |                     |          |  |
| 10              | 64QAM      | 25      | 25        | 21.14                      | 21.08                         | 21.12                       | 22                  | 3        |  |
| 10              | 64QAM      | 50      | 0         | 21.13                      | 21.03                         | 21.12                       |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 18.69                      | 18.67                         | 18.67                       |                     |          |  |
| 10              | 256QAM     | 1       | 25        | 18.63                      | 18.70                         | 18.50                       |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 18.60                      | 18.47                         | 18.68                       | 20                  | 5        |  |
| 10              | 256QAM     | 25      | 0         | 18.55                      | 18.79                         | 18.74                       |                     |          |  |
| 10              | 256QAM     | 25      | 12        | 18.55                      | 18.63                         | 18.58                       |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 18.74                      | 18.72                         | 18.63                       |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 18.72                      | 18.80                         | 18.80                       | 20                  | 5        |  |
| 10              | 256QAM     | 50      | 0         | 18.72                      | 18.80                         | 18.80                       |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 18.72                      | 18.80                         | 18.80                       |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 18.72                      | 18.80                         | 18.80                       |                     |          |  |
| Channel         |            |         |           |                            |                               |                             |                     |          |  |
| Frequency (MHz) |            |         |           |                            |                               |                             |                     |          |  |
| 5               | QPSK       | 1       | 0         | 24.03                      | 24.03                         | 24.03                       | 25                  | 0        |  |
| 5               | QPSK       | 1       | 12        | 23.94                      | 24.07                         | 23.89                       |                     |          |  |
| 5               | QPSK       | 1       | 24        | 23.94                      | 23.89                         | 23.99                       |                     |          |  |
| 5               | QPSK       | 12      | 0         | 23.03                      | 23.04                         | 23.03                       |                     |          |  |
| 5               | QPSK       | 12      | 7         | 22.99                      | 22.90                         | 23.03                       | 24                  | 1        |  |
| 5               | QPSK       | 12      | 13        | 23.00                      | 22.99                         | 22.97                       |                     |          |  |
| 5               | QPSK       | 25      | 0         | 22.97                      | 23.01                         | 22.98                       |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 23.15                      | 23.27                         | 23.31                       |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 23.20                      | 23.15                         | 23.24                       | 24                  | 1        |  |
| 5               | 16QAM      | 1       | 24        | 23.45                      | 23.38                         | 23.24                       |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 21.94                      | 21.84                         | 21.90                       |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 21.94                      | 21.87                         | 21.99                       |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 21.97                      | 21.96                         | 21.93                       | 23                  | 2        |  |
| 5               | 16QAM      | 25      | 0         | 22.07                      | 22.01                         | 22.01                       |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 22.18                      | 22.07                         | 22.27                       |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 22.13                      | 22.07                         | 22.11                       |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 22.20                      | 22.21                         | 22.29                       | 23                  | 2        |  |
| 5               | 64QAM      | 12      | 0         | 21.00                      | 20.96                         | 20.96                       |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 20.94                      | 20.94                         | 21.02                       |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 20.97                      | 20.96                         | 21.06                       |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 18.53                      | 18.44                         | 18.59                       | 20                  | 5        |  |
| 5               | 256QAM     | 1       | 12        | 18.75                      | 18.56                         | 18.78                       |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 18.50                      | 18.31                         | 18.51                       |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 18.45                      | 18.58                         | 18.65                       |                     |          |  |
| 5               | 256QAM     | 12      | 7         | 18.74                      | 18.46                         | 18.69                       | 20                  | 5        |  |
| 5               | 256QAM     | 12      | 13        | 18.62                      | 18.56                         | 18.66                       |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 18.45                      | 18.60                         | 18.65                       |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 18.45                      | 18.60                         | 18.65                       |                     |          |  |
| Channel         |            |         |           |                            |                               |                             |                     |          |  |
| Frequency (MHz) |            |         |           |                            |                               |                             |                     |          |  |
| 3               | QPSK       | 1       | 0         | 23.97                      | 24.03                         | 24.01                       | 25                  | 0        |  |
| 3               | QPSK       | 1       | 8         | 24.00                      | 23.97                         | 23.92                       |                     |          |  |
| 3               | QPSK       | 1       | 16        | 23.99                      | 23.96                         | 24.03                       |                     |          |  |
| 3               | QPSK       | 8       | 0         | 22.94                      | 23.01                         | 23.02                       |                     |          |  |
| 3               | QPSK       | 8       | 4         | 22.81                      | 22.90                         | 22.91                       | 24                  | 1        |  |
| 3               | QPSK       | 8       | 7         | 22.97                      | 23.02                         | 23.02                       |                     |          |  |
| 3               | 16QAM      | 15      | 0         | 23.00                      | 22.96                         | 23.05                       |                     |          |  |
| 3               | 16QAM      | 1       | 0         | 23.19                      | 23.29                         | 23.33                       |                     |          |  |
| 3               | 16QAM      | 1       | 8         | 23.12                      | 23.17                         | 23.15                       | 24                  | 1        |  |
| 3               | 16QAM      | 1       | 16        | 23.48                      | 23.27                         | 23.22                       |                     |          |  |
| 3               | 16QAM      | 8       | 0         | 21.97                      | 21.86                         | 21.97                       |                     |          |  |
| 3               | 16QAM      | 8       | 4         | 21.93                      | 21.98                         | 21.97                       |                     |          |  |
| 3               | 16QAM      | 8       | 7         | 21.98                      | 21.99                         | 21.94                       | 23                  | 2        |  |
| 3               | 16QAM      | 15      | 0         | 21.99                      | 21.90                         | 21.95                       |                     |          |  |
| 3               | 64QAM      | 1       | 0         | 22.23                      | 22.06                         | 22.20                       |                     |          |  |
| 3               | 64QAM      | 1       | 8         | 22.17                      | 22.16                         | 22.05                       |                     |          |  |
| 3               | 64QAM      | 1       | 16        | 22.13                      | 22.19                         | 22.30                       | 23                  | 2        |  |
| 3               | 64QAM      | 8       | 0         | 20.97                      | 20.93                         | 20.95                       |                     |          |  |
| 3               | 64QAM      | 8       | 4         | 20.99                      | 20.96                         | 21.00                       |                     |          |  |
| 3               | 64QAM      | 8       | 7         | 21.03                      | 20.91                         | 20.97                       |                     |          |  |
| 3               | 256QAM     | 1       | 0         | 18.51                      | 18.52                         | 18.58                       | 20                  | 5        |  |
| 3               | 256QAM     | 1       | 8         | 18.77                      | 18.82                         | 18.76                       |                     |          |  |
| 3               | 256QAM     | 1       | 16        | 18.41                      | 18.26                         | 18.53                       |                     |          |  |
| 3               | 256QAM     | 8       | 0         | 18.42                      | 18.67                         | 18.67                       |                     |          |  |
| 3               | 256QAM     | 8       | 4         | 18.76                      | 18.44                         | 18.74                       | 20                  | 5        |  |
| 3               | 256QAM     | 8       | 7         | 18.61                      | 18.54                         | 18.44                       |                     |          |  |
| 3               | 256QAM     | 15      | 0         | 18.48                      | 18.61                         | 18.65                       |                     |          |  |
| 3               | 256QAM     | 15      | 0         | 18.48                      | 18.61                         | 18.65                       |                     |          |  |
| Channel         |            |         |           |                            |                               |                             |                     |          |  |
| Frequency (MHz) |            |         |           |                            |                               |                             |                     |          |  |
| 1.4             | QPSK       | 1       | 0         | 24.04                      | 24.03                         | 24.05                       | 25                  | 0        |  |
| 1.4             | QPSK       | 1       | 3         | 23.89                      | 24.00                         | 23.88                       |                     |          |  |
| 1.4             | QPSK       | 1       | 23        | 23.93                      | 24.01                         | 23.95                       |                     |          |  |
| 1.4             | QPSK       | 3       | 0         | 24.00                      | 24.04                         | 24.04                       |                     |          |  |
| 1.4             | QPSK       | 3       | 1         | 24.02                      | 24.06                         | 23.91                       | 24                  | 1        |  |
| 1.4             | QPSK       | 3       | 3         | 23.95                      | 24.02                         | 23.98                       |                     |          |  |
| 1.4             | QPSK       | 6       | 0         | 22.96                      | 22.93                         | 22.98                       |                     |          |  |
| 1.4             | 16QAM      | 1       | 0         | 23.11                      | 23.24                         | 23.32                       |                     |          |  |
| 1.4             | 16QAM      | 1       | 3         | 23.13                      | 23.18                         | 23.14                       | 24                  | 1        |  |
| 1.4             | 16QAM      | 1       | 5         | 23.42                      | 23.37                         | 23.27                       |                     |          |  |
| 1.4             | 16QAM      | 3       | 0         | 22.88                      | 22.84                         | 22.88                       |                     |          |  |
| 1.4             | 16QAM      | 3       | 1         | 22.91                      | 22.97                         | 23.01                       |                     |          |  |
| 1.4             | 16QAM      | 3       | 3         | 23.02                      | 22.99                         | 22.97                       | 23                  | 2        |  |
| 1.4             | 16QAM      | 6       | 1         | 21.99                      | 21.98                         | 22.02                       |                     |          |  |
| 1.4             | 64QAM      | 1       | 0         | 22.18                      | 22.10                         | 22.23                       |                     |          |  |
| 1.4             | 64QAM      | 1       | 3         | 22.08                      | 22.12                         | 22.03                       |                     |          |  |
| 1.4             | 64QAM      | 1       | 5         | 22.13                      | 22.17                         | 22.25                       | 23                  | 2        |  |
| 1.4             | 64QAM      | 3       | 0         | 21.92                      | 21.96                         | 21.93                       |                     |          |  |
| 1.4             | 64QAM      | 3       | 1         | 21.96                      | 21.98                         | 21.95                       |                     |          |  |
| 1.4             | 64QAM      | 3       | 3         | 22.04                      | 22.00                         | 22.06                       |                     |          |  |
| 1.4             | 64QAM      | 6       | 0         | 21.03                      | 20.95                         | 21.04                       | 22                  | 3        |  |
| 1.4             | 256QAM     | 1       | 0         | 18.63                      | 18.45                         | 18.57                       |                     |          |  |
| 1.4             | 256QAM     | 1       | 3         | 18.66                      | 18.64                         | 18.77                       |                     |          |  |
| 1.4             | 256QAM     | 1       | 5         | 18.50                      | 18.33                         | 18.50                       |                     |          |  |
| 1.4             | 256QAM     | 3       | 0         | 18.36                      | 18.69                         | 18.58                       | 20                  | 5        |  |
| 1.4             | 256QAM     | 3       | 1         | 18.67                      | 18.52                         | 18.73                       |                     |          |  |
| 1.4             | 256QAM     | 3       | 3         | 18.63                      | 18.56                         | 18.51                       |                     |          |  |
| 1.4             | 256QAM     | 6       | 0         | 18.44                      | 18.53                         | 18.62                       |                     |          |  |

## Band 13\_Ant 0

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           |                          |                           |                           | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                          |                           |                           |                        |             |
| 10              | QPSK       | 1       | 0         | 24.12                    | 24.12                     | 24.12                     | 25                     | 0           |
| 10              | QPSK       | 1       | 25        | 24.07                    | 24.12                     | 24.07                     |                        |             |
| 10              | QPSK       | 1       | 49        | 24.08                    | 24.08                     | 24.08                     |                        |             |
| 10              | QPSK       | 25      | 0         | 23.07                    | 23.07                     | 23.07                     |                        |             |
| 10              | QPSK       | 25      | 12        | 23.03                    | 23.03                     | 23.03                     | 24                     | 1           |
| 10              | QPSK       | 25      | 25        | 23.05                    | 23.05                     | 23.05                     |                        |             |
| 10              | QPSK       | 50      | 0         | 23.06                    | 23.06                     | 23.06                     |                        |             |
| 10              | 16QAM      | 1       | 0         | 23.42                    | 23.42                     | 23.42                     |                        |             |
| 10              | 16QAM      | 1       | 25        | 23.34                    | 23.34                     | 23.34                     | 24                     | 1           |
| 10              | 16QAM      | 1       | 49        | 23.35                    | 23.35                     | 23.35                     |                        |             |
| 10              | 16QAM      | 25      | 0         | 22.03                    | 22.03                     | 22.03                     |                        |             |
| 10              | 16QAM      | 25      | 12        | 22.06                    | 22.06                     | 22.06                     |                        |             |
| 10              | 16QAM      | 25      | 25        | 22.10                    | 22.10                     | 22.10                     | 23                     | 2           |
| 10              | 16QAM      | 50      | 0         | 22.08                    | 22.08                     | 22.08                     |                        |             |
| 10              | 64QAM      | 1       | 0         | 22.23                    | 22.23                     | 22.23                     |                        |             |
| 10              | 64QAM      | 1       | 25        | 22.18                    | 22.18                     | 22.18                     | 23                     | 2           |
| 10              | 64QAM      | 1       | 49        | 22.19                    | 22.19                     | 22.19                     |                        |             |
| 10              | 64QAM      | 25      | 0         | 21.06                    | 21.06                     | 21.06                     |                        |             |
| 10              | 64QAM      | 25      | 12        | 21.07                    | 21.07                     | 21.07                     |                        |             |
| 10              | 64QAM      | 25      | 25        | 21.07                    | 21.07                     | 21.07                     | 22                     | 3           |
| 10              | 64QAM      | 50      | 0         | 21.06                    | 21.06                     | 21.06                     |                        |             |
| 10              | 256QAM     | 1       | 0         | 18.64                    | 18.64                     | 18.64                     |                        |             |
| 10              | 256QAM     | 1       | 25        | 18.63                    | 18.63                     | 18.63                     | 20                     | 5           |
| 10              | 256QAM     | 1       | 49        | 18.64                    | 18.64                     | 18.64                     |                        |             |
| 10              | 256QAM     | 25      | 0         | 18.65                    | 18.65                     | 18.65                     |                        |             |
| 10              | 256QAM     | 25      | 12        | 18.43                    | 18.43                     | 18.43                     |                        |             |
| 10              | 256QAM     | 25      | 25        | 18.52                    | 18.52                     | 18.52                     | 20                     | 5           |
| 10              | 256QAM     | 25      | 25        | 18.52                    | 18.52                     | 18.52                     |                        |             |
| 10              | 256QAM     | 50      | 0         | 18.54                    | 18.54                     | 18.54                     |                        |             |
| Channel         |            |         |           |                          |                           |                           | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                          |                           |                           |                        |             |
| 5               | QPSK       | 1       | 0         | 23.05                    | 23.05                     | 23.05                     | 25                     | 0           |
| 5               | QPSK       | 1       | 12        | 23.03                    | 23.06                     | 23.01                     |                        |             |
| 5               | QPSK       | 1       | 24        | 23.03                    | 23.06                     | 23.01                     |                        |             |
| 5               | QPSK       | 12      | 0         | 22.90                    | 22.90                     | 22.91                     |                        |             |
| 5               | QPSK       | 12      | 7         | 22.84                    | 22.87                     | 22.87                     | 24                     | 1           |
| 5               | QPSK       | 12      | 12        | 22.86                    | 22.87                     | 22.87                     |                        |             |
| 5               | QPSK       | 25      | 0         | 22.91                    | 22.89                     | 22.90                     |                        |             |
| 5               | 16QAM      | 1       | 0         | 23.33                    | 23.33                     | 23.33                     |                        |             |
| 5               | 16QAM      | 1       | 12        | 23.17                    | 23.28                     | 23.23                     | 24                     | 1           |
| 5               | 16QAM      | 1       | 24        | 23.22                    | 23.16                     | 23.21                     |                        |             |
| 5               | 16QAM      | 12      | 0         | 21.84                    | 21.84                     | 21.85                     |                        |             |
| 5               | 16QAM      | 12      | 7         | 21.92                    | 21.97                     | 22.00                     |                        |             |
| 5               | 16QAM      | 12      | 13        | 21.96                    | 21.94                     | 22.01                     | 23                     | 2           |
| 5               | 16QAM      | 25      | 0         | 21.97                    | 22.02                     | 22.02                     |                        |             |
| 5               | 64QAM      | 1       | 0         | 22.13                    | 22.14                     | 22.13                     |                        |             |
| 5               | 64QAM      | 1       | 12        | 22.07                    | 22.05                     | 22.05                     |                        |             |
| 5               | 64QAM      | 24      | 0         | 22.20                    | 22.20                     | 22.17                     | 22                     | 3           |
| 5               | 64QAM      | 12      | 0         | 21.00                    | 20.91                     | 20.96                     |                        |             |
| 5               | 64QAM      | 12      | 7         | 20.88                    | 20.91                     | 20.88                     |                        |             |
| 5               | 64QAM      | 12      | 13        | 20.91                    | 20.91                     | 20.94                     |                        |             |
| 5               | 64QAM      | 25      | 0         | 21.00                    | 20.89                     | 21.00                     | 20                     | 5           |
| 5               | 256QAM     | 1       | 0         | 18.34                    | 18.34                     | 18.35                     |                        |             |
| 5               | 256QAM     | 1       | 12        | 18.47                    | 18.53                     | 18.46                     |                        |             |
| 5               | 256QAM     | 1       | 24        | 18.28                    | 18.17                     | 18.17                     |                        |             |
| 5               | 256QAM     | 12      | 0         | 18.45                    | 18.45                     | 18.51                     | 20                     | 5           |
| 5               | 256QAM     | 12      | 7         | 18.35                    | 18.32                     | 18.34                     |                        |             |
| 5               | 256QAM     | 12      | 13        | 18.51                    | 18.38                     | 18.41                     |                        |             |
| 5               | 256QAM     | 25      | 0         | 18.39                    | 18.43                     | 18.40                     |                        |             |

Band 17\_Ant 0

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power Low<br>Ch./Freq.<br>23796 | Power Mode<br>Ch./Freq.<br>23796 | Power High<br>Ch./Freq.<br>23906 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|---------------------------------|----------------------------------|----------------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                  |                                  |                        |             |
| 10              | QPSK       | 1       | 0       | 0         | 23.74                           | 23.70                            | 23.75                            |                        |             |
| 10              | QPSK       | 1       | 25      | 0         | 23.60                           | 23.70                            | 23.68                            | 25                     | 0           |
| 10              | QPSK       | 1       | 49      | 0         | 23.70                           | 23.73                            | 23.71                            |                        |             |
| 10              | QPSK       | 25      | 0       | 0         | 22.62                           | 22.70                            | 22.69                            |                        |             |
| 10              | QPSK       | 25      | 12      | 0         | 22.60                           | 22.67                            | 22.67                            | 24                     | 1           |
| 10              | QPSK       | 25      | 25      | 0         | 22.60                           | 22.66                            | 22.66                            |                        |             |
| 10              | QPSK       | 50      | 0       | 0         | 22.61                           | 22.67                            | 22.63                            |                        |             |
| 10              | 16QAM      | 1       | 0       | 0         | 23.09                           | 22.96                            | 22.97                            |                        |             |
| 10              | 16QAM      | 1       | 25      | 0         | 22.92                           | 22.99                            | 23.01                            | 24                     | 1           |
| 10              | 16QAM      | 1       | 49      | 0         | 23.09                           | 23.07                            | 23.07                            |                        |             |
| 10              | 16QAM      | 25      | 0       | 0         | 21.60                           | 21.61                            | 21.60                            |                        |             |
| 10              | 16QAM      | 25      | 12      | 0         | 21.64                           | 21.66                            | 21.66                            |                        |             |
| 10              | 16QAM      | 25      | 25      | 0         | 21.54                           | 21.58                            | 21.58                            | 23                     | 2           |
| 10              | 16QAM      | 50      | 0       | 0         | 21.60                           | 21.63                            | 21.60                            |                        |             |
| 10              | 64QAM      | 1       | 0       | 0         | 21.50                           | 21.55                            | 21.57                            |                        |             |
| 10              | 64QAM      | 1       | 25      | 0         | 21.70                           | 21.57                            | 21.56                            | 23                     | 2           |
| 10              | 64QAM      | 1       | 49      | 0         | 21.58                           | 22.05                            | 22.00                            |                        |             |
| 10              | 64QAM      | 25      | 0       | 0         | 20.60                           | 20.60                            | 20.64                            |                        |             |
| 10              | 64QAM      | 25      | 12      | 0         | 20.66                           | 20.68                            | 20.68                            |                        |             |
| 10              | 64QAM      | 25      | 25      | 0         | 20.64                           | 20.65                            | 20.69                            | 22                     | 3           |
| 10              | 64QAM      | 50      | 0       | 0         | 20.60                           | 20.64                            | 20.65                            |                        |             |
| 10              | 256QAM     | 1       | 0       | 0         | 18.68                           | 18.65                            | 18.60                            |                        |             |
| 10              | 256QAM     | 1       | 25      | 0         | 18.62                           | 18.67                            | 18.68                            | 20                     | 5           |
| 10              | 256QAM     | 1       | 49      | 0         | 18.63                           | 18.60                            | 18.65                            |                        |             |
| 10              | 256QAM     | 25      | 0       | 0         | 18.61                           | 18.62                            | 18.70                            |                        |             |
| 10              | 256QAM     | 25      | 12      | 0         | 18.77                           | 18.65                            | 18.63                            | 20                     | 5           |
| 10              | 256QAM     | 25      | 25      | 0         | 18.70                           | 18.63                            | 18.69                            |                        |             |
| 10              | 256QAM     | 50      | 0       | 0         | 18.61                           | 18.66                            | 18.73                            |                        |             |
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                  |                                  |                        |             |
| 5               | QPSK       | 1       | 0       | 0         | 23.60                           | 23.65                            | 23.64                            |                        |             |
| 5               | QPSK       | 1       | 24      | 0         | 23.62                           | 23.69                            | 23.76                            | 25                     | 0           |
| 5               | QPSK       | 1       | 12      | 0         | 23.60                           | 23.65                            | 23.74                            |                        |             |
| 5               | QPSK       | 12      | 0       | 0         | 22.60                           | 22.67                            | 22.72                            |                        |             |
| 5               | QPSK       | 12      | 7       | 0         | 22.60                           | 22.69                            | 22.70                            | 24                     | 1           |
| 5               | QPSK       | 12      | 13      | 0         | 22.65                           | 22.68                            | 22.74                            |                        |             |
| 5               | QPSK       | 24      | 0       | 0         | 22.63                           | 22.67                            | 22.77                            |                        |             |
| 5               | 16QAM      | 1       | 0       | 0         | 22.59                           | 23.03                            | 23.02                            |                        |             |
| 5               | 16QAM      | 1       | 12      | 0         | 22.62                           | 23.03                            | 23.11                            | 24                     | 1           |
| 5               | 16QAM      | 1       | 24      | 0         | 23.01                           | 23.06                            | 23.02                            |                        |             |
| 5               | 16QAM      | 12      | 0       | 0         | 21.61                           | 21.72                            | 21.77                            |                        |             |
| 5               | 16QAM      | 12      | 7       | 0         | 21.65                           | 21.68                            | 21.74                            | 23                     | 2           |
| 5               | 16QAM      | 12      | 13      | 0         | 21.70                           | 21.72                            | 21.72                            |                        |             |
| 5               | 16QAM      | 25      | 0       | 0         | 21.66                           | 21.64                            | 21.75                            |                        |             |
| 5               | 64QAM      | 1       | 0       | 0         | 21.60                           | 21.92                            | 21.85                            |                        |             |
| 5               | 64QAM      | 1       | 12      | 0         | 21.71                           | 21.85                            | 21.85                            | 23                     | 2           |
| 5               | 64QAM      | 1       | 24      | 0         | 21.80                           | 21.77                            | 21.88                            |                        |             |
| 5               | 64QAM      | 12      | 0       | 0         | 20.60                           | 20.72                            | 20.80                            |                        |             |
| 5               | 64QAM      | 12      | 7       | 0         | 20.73                           | 20.73                            | 20.79                            | 22                     | 3           |
| 5               | 64QAM      | 12      | 13      | 0         | 20.73                           | 20.72                            | 20.76                            |                        |             |
| 5               | 64QAM      | 25      | 0       | 0         | 20.65                           | 20.65                            | 20.75                            |                        |             |
| 5               | 256QAM     | 1       | 0       | 0         | 18.62                           | 18.63                            | 18.60                            |                        |             |
| 5               | 256QAM     | 1       | 12      | 0         | 18.69                           | 18.67                            | 18.61                            | 20                     | 5           |
| 5               | 256QAM     | 1       | 24      | 0         | 18.65                           | 18.60                            | 18.65                            |                        |             |
| 5               | 256QAM     | 12      | 0       | 0         | 18.63                           | 18.65                            | 18.68                            |                        |             |
| 5               | 256QAM     | 12      | 7       | 0         | 18.64                           | 18.60                            | 18.66                            | 20                     | 5           |
| 5               | 256QAM     | 12      | 13      | 0         | 18.68                           | 18.60                            | 18.64                            |                        |             |
| 5               | 256QAM     | 25      | 0       | 0         | 18.63                           | 18.66                            | 18.66                            |                        |             |

Band 25\_Ant 2

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power Low<br>Ch./Freq.<br>20146 | Power Mode<br>Ch./Freq.<br>20340 | Power High<br>Ch./Freq.<br>20506 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|---------------------------------|----------------------------------|----------------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                  |                                  |                        |             |
| 10              | QPSK       | 1       | 0       | 0         | 18.60                           | 18.60                            | 18.60                            |                        |             |
| 10              | QPSK       | 1       | 49      | 0         | 18.62                           | 18.60                            | 18.62                            | 19.5                   | 0           |
| 10              | QPSK       | 1       | 99      | 0         | 18.70                           | 18.60                            | 18.59                            |                        |             |
| 10              | QPSK       | 50      | 0       | 0         | 18.70                           | 18.65                            | 18.65                            | 19.5                   | 0           |
| 10              | QPSK       | 50      | 24      | 0         | 18.77                           | 18.65                            | 18.69                            |                        |             |
| 10              | QPSK       | 50      | 50      | 0         | 18.65                           | 18.66                            | 18.64                            |                        |             |
| 10              | QPSK       | 100     | 0       | 0         | 18.69                           | 18.77                            | 18.77                            |                        |             |
| 10              | 16QAM      | 1       | 0       | 0         | 18.76                           | 18.65                            | 18.76                            |                        |             |
| 10              | 16QAM      | 1       | 49      | 0         | 18.65                           | 18.73                            | 18.74                            | 19.5                   | 0           |
| 10              | 16QAM      | 1       | 99      | 0         | 18.73                           | 18.68                            | 18.71                            |                        |             |
| 10              | 16QAM      | 50      | 0       | 0         | 18.58                           | 18.68                            | 18.61                            |                        |             |
| 10              | 16QAM      | 50      | 24      | 0         | 18.66                           | 18.70                            | 18.69                            | 19.5                   | 0           |
| 10              | 16QAM      | 50      | 50      | 0         | 18.72                           | 18.65                            | 18.65                            |                        |             |
| 10              | 16QAM      | 100     | 0       | 0         | 18.77                           | 18.58                            | 18.64                            |                        |             |
| 10              | 64QAM      | 1       | 0       | 0         | 18.71                           | 18.65                            | 18.65                            |                        |             |
| 10              | 64QAM      | 1       | 49      | 0         | 18.73                           | 18.66                            | 18.60                            | 19.5                   | 0           |
| 10              | 64QAM      | 1       | 99      | 0         | 18.67                           | 18.58                            | 18.67                            |                        |             |
| 10              | 64QAM      | 50      | 0       | 0         | 18.71                           | 18.70                            | 18.63                            |                        |             |
| 10              | 64QAM      | 50      | 24      | 0         | 18.63                           | 18.62                            | 18.68                            | 19.5                   | 0           |
| 10              | 64QAM      | 50      | 50      | 0         | 18.68                           | 18.67                            | 18.74                            |                        |             |
| 10              | 64QAM      | 100     | 0       | 0         | 18.66                           | 18.70                            | 18.69                            |                        |             |
| 10              | 256QAM     | 1       | 0       | 0         | 18.74                           | 18.61                            | 18.73                            |                        |             |
| 10              | 256QAM     | 1       | 49      | 0         | 18.72                           | 18.62                            | 18.71                            | 19.5                   | 0           |
| 10              | 256QAM     | 1       | 99      | 0         | 18.69                           | 18.65                            | 18.73                            |                        |             |
| 10              | 256QAM     | 50      | 0       | 0         | 18.63                           | 18.67                            | 18.69                            |                        |             |
| 10              | 256QAM     | 50      | 24      | 0         | 18.70                           | 18.61                            | 18.68                            | 19.5                   | 0           |
| 10              | 256QAM     | 50      | 50      | 0         | 18.61                           | 18.57                            | 18.66                            |                        |             |
| 10              | 256QAM     | 100     | 0       | 0         | 18.63                           | 18.63                            | 18.79                            |                        |             |
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                  |                                  |                        |             |
| 15              | QPSK       | 1       | 0       | 0         | 18.61                           | 18.60                            | 18.73                            |                        |             |
| 15              | QPSK       | 1       | 37      | 0         | 18.67                           | 18.64                            | 18.73                            | 19.5                   | 0           |
| 15              | QPSK       | 1       | 74      | 0         | 18.60                           | 18.57                            | 18.61                            |                        |             |
| 15              | QPSK       | 36      | 0       | 0         | 18.68                           | 18.70                            | 18.69                            |                        |             |
| 15              | QPSK       | 36      | 20      | 0         | 18.68                           | 18.67                            | 18.62                            | 19.5                   | 0           |
| 15              | QPSK       | 36      | 39      | 0         | 18.73                           | 18.55                            | 18.69                            |                        |             |
| 15              | QPSK       | 75      | 0       | 0         | 18.68                           | 18.68                            | 18.68                            |                        |             |
| 15              | 16QAM      | 1       | 0       | 0         | 18.76                           | 18.67                            | 18.70                            |                        |             |
| 15              | 16QAM      | 1       | 37      | 0         | 18.73                           | 18.69                            | 18.65                            | 19.5                   | 0           |
| 15              | 16QAM      | 1       | 74      | 0         | 18.70                           | 18.75                            | 18.73                            |                        |             |
| 15              | 16QAM      | 36      | 0       | 0         | 18.63                           | 18.72                            | 18.77                            |                        |             |
| 15              | 16QAM      | 36      | 20      | 0         | 18.62                           | 18.53                            | 18.72                            | 19.5                   | 0           |
| 15              | 16QAM      | 36      | 39      | 0         | 18.69                           | 18.57                            | 18.67                            |                        |             |
| 15              | 16QAM      | 75      | 0       | 0         | 18.64                           | 18.63                            | 18.73                            |                        |             |
| 15              | 64QAM      | 1       | 0       | 0         | 18.62                           | 18.62                            | 18.79                            |                        |             |
| 15              | 64QAM      | 1       | 37      | 0         | 18.75                           | 18.61                            | 18.64                            | 19.5                   | 0           |
| 15              | 64QAM      | 1       | 74      | 0         | 18.65                           | 18.68                            | 18.62                            |                        |             |
| 15              | 64QAM      | 36      | 0       | 0         | 18.72                           | 18.65                            | 18.71                            |                        |             |
| 15              | 64QAM      | 36      | 20      | 0         | 18.64                           | 18.50                            | 18.65                            | 19.5                   | 0           |
| 15              | 64QAM      | 36      | 39      | 0         | 18.64                           | 18.61                            | 18.60                            |                        |             |
| 15              | 64QAM      | 75      | 0       | 0         | 18.75                           | 18.66                            | 18.73                            |                        |             |
| 15              | 256QAM     | 1       | 0       | 0         | 18.73                           | 18.68                            | 18.79                            |                        |             |
| 15              | 256QAM     | 1       | 37      | 0         | 18.67                           | 18.50                            | 18.64                            | 19.5                   | 0           |
| 15              | 256QAM     | 1       | 74      | 0         | 18.67                           | 18.62                            | 18.65                            |                        |             |
| 15              | 256QAM     | 36      | 0       | 0         | 18.62                           | 18.78                            | 18.78                            |                        |             |
| 15              | 256QAM     | 36      | 20      | 0         | 18.69                           | 18.54                            | 18.65                            | 19.5                   | 0           |
| 15              | 256QAM     | 36      | 39      | 0         | 18.58                           | 18.56                            | 18.63                            |                        |             |
| 15              | 256QAM     | 75      | 0       | 0         | 18.68                           | 18.61                            | 18.74                            |                        |             |
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                  |                                  |                        |             |
| 10              | QPSK       | 1       | 0       | 0         | 18.65                           | 18.60                            | 18.60                            |                        |             |
| 10              | QPSK       | 1       | 0       | 0         | 18.76                           | 18.85                            | 18.76                            |                        |             |
| 10              | QPSK       | 1       | 12      | 0         | 18.64                           | 18.56                            | 18.73                            | 19.5                   | 0           |
| 10              | QPSK       | 1       | 49      | 0         | 18.73                           | 18.53                            | 18.60                            |                        |             |
| 10              | QPSK       | 25      | 0       | 0         | 18.72                           | 18.84                            | 18.79                            |                        |             |
| 10              | QPSK       | 25      | 12      | 0         | 18.71                           | 18.68                            | 18.68                            | 19.5                   | 0           |
| 10              | QPSK       | 25      | 25      | 0         | 18.61                           | 18.58                            | 18.75                            |                        |             |
| 10              | QPSK       | 50      | 0       | 0         | 18.65                           | 18.78                            | 18.71                            |                        |             |
| 10              | 16QAM      | 1       | 0       | 0         | 18.60                           | 18.69                            | 18.77                            |                        |             |
| 10              | 16QAM      | 1       | 25      | 0         | 18.72                           | 18.71                            | 18.66                            | 19.5                   | 0           |
| 10              | 16QAM      | 1       | 49      | 0         | 18.68                           | 18.64                            | 18.78                            |                        |             |
| 10              | 16QAM      | 25      | 0       | 0         | 18.62                           | 18.67                            | 18.76                            |                        |             |
| 10              | 16QAM      | 25      | 12      | 0         | 18.62                           | 18.62                            | 18.70                            | 19.5                   | 0           |
| 10              | 16QAM      | 25      | 25      | 0         | 18.61                           | 18.60                            | 18.73                            |                        |             |
| 10              | 64QAM      | 1       | 0       | 0         | 18.61                           | 18.68                            | 18.68                            |                        |             |
| 10              | 64QAM      | 1       | 25      | 0         | 18.75                           | 18.62                            | 18.70                            | 19.5                   | 0           |
| 10              | 64QAM      | 1       | 49      | 0         | 18.67                           | 18.69                            | 18.71                            |                        |             |
| 10              | 64QAM      | 25      | 0       | 0         | 18.77                           | 18.64                            | 18.64                            |                        |             |
| 10              | 64QAM      | 25      | 12      | 0         | 18.66                           | 18.72                            | 18.73                            |                        |             |
| 10              | 64QAM      | 25      | 25      | 0         | 18.72                           | 18.63                            | 18.78                            | 19.5                   | 0           |
| 10              | 64QAM      | 50      | 0       | 0         | 18.66                           | 18.62                            | 18.75                            |                        |             |
| 10              | 256QAM     | 1       | 0       | 0         | 18.66                           | 18.63                            | 18.75                            |                        |             |
| 10              | 256QAM     | 1       | 25      | 0         | 18.71                           | 18.58                            | 18.68                            | 19.5                   | 0           |
| 10              | 256QAM     | 1       | 49      | 0         | 18.67                           | 18.67                            | 18.65                            |                        |             |
| 10              | 256QAM     | 25      | 0       | 0         | 18.62                           | 18.68                            | 18.79                            |                        |             |
| 10              | 256QAM     | 25      | 12      | 0         | 18.73                           | 18.58                            | 18.62                            | 19.5                   | 0           |
| 10              | 256QAM     | 25      | 25      | 0         | 18.65                           | 18.56                            | 18.67                            |                        |             |
| 10              | 256QAM     | 50      | 0       | 0         | 18.68                           | 18.66                            | 18.67                            |                        |             |
|                 |            |         |         |           |                                 |                                  |                                  |                        |             |

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| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>24765 | Power Mode<br>Ch. Freq.<br>24865 | Power High<br>Ch. Freq.<br>24965 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|---------------------------------|----------------------------------|----------------------------------|------------------------|-------------|
| Channel         |            |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                  |                                  |                        |             |
| 15              | QPSK       | 1       | 0         | 821.5                           | 831.5                            | 841.5                            |                        |             |
| 15              | QPSK       | 1       | 37        | 24.11                           | 24.17                            | 24.01                            | 25                     | 0           |
| 15              | QPSK       | 1       | 74        | 24.02                           | 24.02                            | 24.08                            |                        |             |
| 15              | QPSK       | 36      | 0         | 23.00                           | 23.00                            | 23.00                            |                        |             |
| 15              | QPSK       | 36      | 20        | 22.91                           | 23.00                            | 22.99                            | 24                     | 1           |
| 15              | QPSK       | 36      | 38        | 22.98                           | 23.00                            | 22.98                            |                        |             |
| 15              | QPSK       | 75      | 0         | 23.01                           | 23.04                            | 22.98                            |                        |             |
| 15              | 16QAM      | 1       | 0         | 23.08                           | 23.24                            | 23.16                            |                        |             |
| 15              | 16QAM      | 1       | 37        | 23.12                           | 23.39                            | 23.32                            | 24                     | 1           |
| 15              | 16QAM      | 1       | 74        | 23.21                           | 23.27                            | 23.19                            |                        |             |
| 15              | 16QAM      | 36      | 0         | 21.94                           | 22.00                            | 22.03                            |                        |             |
| 15              | 16QAM      | 36      | 20        | 21.94                           | 21.96                            | 22.00                            |                        |             |
| 15              | 16QAM      | 36      | 38        | 21.98                           | 22.00                            | 21.94                            | 23                     | 2           |
| 15              | 16QAM      | 75      | 0         | 21.97                           | 22.08                            | 21.97                            |                        |             |
| 15              | 64QAM      | 1       | 0         | 22.05                           | 22.15                            | 22.20                            |                        |             |
| 15              | 64QAM      | 1       | 37        | 22.34                           | 22.34                            | 22.27                            | 23                     | 2           |
| 15              | 64QAM      | 1       | 74        | 22.18                           | 22.09                            | 22.06                            |                        |             |
| 15              | 64QAM      | 36      | 0         | 21.05                           | 21.10                            | 21.01                            |                        |             |
| 15              | 64QAM      | 36      | 20        | 21.09                           | 21.08                            | 21.08                            | 22                     | 3           |
| 15              | 64QAM      | 36      | 38        | 21.08                           | 21.03                            | 21.02                            |                        |             |
| 15              | 64QAM      | 75      | 0         | 21.09                           | 21.10                            | 21.01                            |                        |             |
| 15              | 256QAM     | 1       | 0         | 18.80                           | 18.76                            | 18.77                            |                        |             |
| 15              | 256QAM     | 1       | 37        | 18.87                           | 18.79                            | 18.80                            | 20                     | 5           |
| 15              | 256QAM     | 1       | 74        | 18.73                           | 18.67                            | 18.83                            |                        |             |
| 15              | 256QAM     | 36      | 0         | 18.68                           | 18.88                            | 18.83                            |                        |             |
| 15              | 256QAM     | 36      | 20        | 18.87                           | 18.80                            | 18.86                            |                        |             |
| 15              | 256QAM     | 36      | 38        | 18.85                           | 18.79                            | 18.71                            | 20                     | 5           |
| 15              | 256QAM     | 75      | 0         | 18.71                           | 18.81                            | 18.80                            |                        |             |
| Channel         |            |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                  |                                  |                        |             |
| 10              | QPSK       | 1       | 0         | 818                             | 831.5                            | 844                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 0         | 23.97                           | 24.02                            | 24.06                            | 25                     | 0           |
| 10              | QPSK       | 1       | 37        | 23.82                           | 23.94                            | 23.89                            |                        |             |
| 10              | QPSK       | 1       | 49        | 24.11                           | 23.97                            | 24.04                            |                        |             |
| 10              | QPSK       | 25      | 0         | 22.97                           | 23.03                            | 22.97                            |                        |             |
| 10              | QPSK       | 25      | 12        | 22.89                           | 22.93                            | 22.96                            | 24                     | 1           |
| 10              | QPSK       | 25      | 25        | 22.86                           | 23.04                            | 22.89                            |                        |             |
| 10              | 16QAM      | 1       | 0         | 22.83                           | 22.89                            | 22.91                            |                        |             |
| 10              | 16QAM      | 1       | 0         | 23.07                           | 23.25                            | 23.22                            |                        |             |
| 10              | 16QAM      | 1       | 25        | 23.12                           | 23.12                            | 23.17                            | 24                     | 1           |
| 10              | 16QAM      | 1       | 49        | 23.09                           | 23.11                            | 23.09                            |                        |             |
| 10              | 16QAM      | 25      | 0         | 21.89                           | 22.02                            | 21.89                            |                        |             |
| 10              | 16QAM      | 25      | 12        | 21.89                           | 21.97                            | 21.98                            | 23                     | 2           |
| 10              | 16QAM      | 25      | 25        | 21.86                           | 22.04                            | 21.92                            |                        |             |
| 10              | 16QAM      | 50      | 0         | 21.97                           | 22.04                            | 21.90                            |                        |             |
| 10              | 64QAM      | 1       | 0         | 22.13                           | 22.19                            | 22.25                            |                        |             |
| 10              | 64QAM      | 1       | 25        | 21.97                           | 22.07                            | 22.08                            | 23                     | 2           |
| 10              | 64QAM      | 1       | 49        | 22.09                           | 22.10                            | 22.24                            |                        |             |
| 10              | 64QAM      | 25      | 0         | 21.97                           | 22.07                            | 21.97                            |                        |             |
| 10              | 64QAM      | 25      | 12        | 21.92                           | 21.91                            | 21.93                            | 22                     | 3           |
| 10              | 64QAM      | 25      | 25        | 20.95                           | 21.09                            | 20.93                            |                        |             |
| 10              | 256QAM     | 1       | 0         | 21.01                           | 21.07                            | 21.07                            |                        |             |
| 10              | 256QAM     | 1       | 0         | 18.82                           | 18.85                            | 18.80                            |                        |             |
| 10              | 256QAM     | 1       | 25        | 18.78                           | 18.73                            | 18.81                            | 20                     | 5           |
| 10              | 256QAM     | 1       | 49        | 18.81                           | 18.70                            | 18.85                            |                        |             |
| 10              | 256QAM     | 25      | 0         | 18.73                           | 18.86                            | 18.88                            |                        |             |
| 10              | 256QAM     | 25      | 12        | 18.86                           | 18.82                            | 18.83                            |                        |             |
| 10              | 256QAM     | 25      | 25        | 18.79                           | 18.80                            | 18.81                            | 20                     | 5           |
| 10              | 256QAM     | 50      | 0         | 18.76                           | 18.84                            | 18.86                            |                        |             |
| Channel         |            |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                  |                                  |                        |             |
| 5               | QPSK       | 1       | 0         | 816.5                           | 831.5                            | 846.5                            | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0         | 23.87                           | 23.91                            | 24.00                            | 25                     | 0           |
| 5               | QPSK       | 1       | 12        | 23.82                           | 23.93                            | 23.86                            |                        |             |
| 5               | QPSK       | 1       | 24        | 23.92                           | 23.92                            | 23.93                            |                        |             |
| 5               | QPSK       | 12      | 0         | 22.85                           | 22.89                            | 22.78                            |                        |             |
| 5               | QPSK       | 12      | 7         | 22.70                           | 22.85                            | 22.82                            | 24                     | 1           |
| 5               | QPSK       | 12      | 13        | 22.72                           | 22.96                            | 22.75                            |                        |             |
| 5               | QPSK       | 25      | 0         | 22.83                           | 22.83                            | 22.77                            |                        |             |
| 5               | 16QAM      | 1       | 0         | 22.89                           | 23.09                            | 23.03                            |                        |             |
| 5               | 16QAM      | 1       | 12        | 22.94                           | 22.99                            | 23.10                            | 24                     | 1           |
| 5               | 16QAM      | 1       | 24        | 21.97                           | 22.10                            | 21.98                            |                        |             |
| 5               | 16QAM      | 12      | 0         | 21.97                           | 21.95                            | 21.71                            |                        |             |
| 5               | 16QAM      | 12      | 7         | 21.83                           | 21.84                            | 21.88                            | 23                     | 2           |
| 5               | 16QAM      | 12      | 13        | 21.77                           | 21.86                            | 21.86                            |                        |             |
| 5               | 16QAM      | 25      | 0         | 21.78                           | 21.85                            | 21.79                            |                        |             |
| 5               | 64QAM      | 1       | 0         | 21.96                           | 22.00                            | 22.08                            |                        |             |
| 5               | 64QAM      | 1       | 12        | 21.91                           | 21.93                            | 21.95                            | 23                     | 2           |
| 5               | 64QAM      | 1       | 24        | 21.88                           | 21.87                            | 22.18                            |                        |             |
| 5               | 64QAM      | 12      | 0         | 20.93                           | 20.94                            | 20.90                            |                        |             |
| 5               | 64QAM      | 12      | 7         | 20.85                           | 20.87                            | 20.87                            |                        |             |
| 5               | 64QAM      | 12      | 13        | 20.89                           | 21.01                            | 20.74                            | 22                     | 3           |
| 5               | 256QAM     | 1       | 0         | 20.87                           | 21.03                            | 20.83                            |                        |             |
| 5               | 256QAM     | 1       | 0         | 18.70                           | 18.77                            | 18.71                            |                        |             |
| 5               | 256QAM     | 1       | 12        | 18.62                           | 18.65                            | 18.79                            | 20                     | 5           |
| 5               | 256QAM     | 1       | 24        | 18.65                           | 18.56                            | 18.77                            |                        |             |
| 5               | 256QAM     | 12      | 0         | 18.62                           | 18.79                            | 18.69                            |                        |             |
| 5               | 256QAM     | 12      | 7         | 18.69                           | 18.71                            | 18.77                            | 20                     | 5           |
| 5               | 256QAM     | 12      | 13        | 18.70                           | 18.67                            | 18.67                            |                        |             |
| 5               | 256QAM     | 25      | 0         | 18.64                           | 18.77                            | 18.74                            |                        |             |
| Channel         |            |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                  |                                  |                        |             |
| 3               | QPSK       | 1       | 0         | 815.5                           | 831.5                            | 847.5                            | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 3               | QPSK       | 1       | 0         | 23.87                           | 23.95                            | 23.88                            | 25                     | 0           |
| 3               | QPSK       | 1       | 8         | 23.71                           | 23.78                            | 23.81                            |                        |             |
| 3               | QPSK       | 1       | 14        | 23.99                           | 23.78                            | 23.85                            |                        |             |
| 3               | QPSK       | 8       | 0         | 22.85                           | 22.88                            | 22.74                            |                        |             |
| 3               | QPSK       | 8       | 4         | 22.73                           | 22.79                            | 22.79                            | 24                     | 1           |
| 3               | QPSK       | 8       | 7         | 22.70                           | 22.91                            | 22.80                            |                        |             |
| 3               | QPSK       | 15      | 0         | 22.78                           | 22.88                            | 22.83                            |                        |             |
| 3               | 16QAM      | 1       | 0         | 22.89                           | 23.16                            | 23.03                            |                        |             |
| 3               | 16QAM      | 1       | 8         | 22.98                           | 22.93                            | 23.05                            | 24                     | 1           |
| 3               | 16QAM      | 1       | 14        | 22.90                           | 23.02                            | 22.97                            |                        |             |
| 3               | 16QAM      | 8       | 0         | 21.90                           | 21.83                            | 21.76                            |                        |             |
| 3               | 16QAM      | 8       | 4         | 21.79                           | 21.84                            | 21.91                            | 23                     | 2           |
| 3               | 16QAM      | 8       | 7         | 21.73                           | 21.94                            | 21.73                            |                        |             |
| 3               | 16QAM      | 15      | 0         | 21.79                           | 21.89                            | 21.73                            |                        |             |
| 3               | 64QAM      | 1       | 0         | 22.05                           | 22.04                            | 22.12                            |                        |             |
| 3               | 64QAM      | 1       | 8         | 21.83                           | 21.86                            | 21.83                            | 23                     | 2           |
| 3               | 64QAM      | 1       | 14        | 21.95                           | 21.86                            | 22.12                            |                        |             |
| 3               | 64QAM      | 8       | 0         | 20.89                           | 20.99                            | 20.88                            |                        |             |
| 3               | 64QAM      | 8       | 4         | 20.85                           | 20.91                            | 20.91                            |                        |             |
| 3               | 64QAM      | 8       | 7         | 20.79                           | 20.91                            | 20.80                            | 22                     | 3           |
| 3               | 256QAM     | 1       | 0         | 20.91                           | 20.96                            | 20.91                            |                        |             |
| 3               | 256QAM     | 1       | 0         | 18.75                           | 18.70                            | 18.67                            |                        |             |
| 3               | 256QAM     | 1       | 8         | 18.69                           | 18.62                            | 18.84                            | 20                     | 5           |
| 3               | 256QAM     | 1       | 14        | 18.46                           | 18.58                            | 18.69                            |                        |             |
| 3               | 256QAM     | 8       | 0         | 18.57                           | 18.79                            | 18.79                            |                        |             |
| 3               | 256QAM     | 8       | 4         | 18.62                           | 18.71                            | 18.69                            |                        |             |
| 3               | 256QAM     | 8       | 7         | 18.62                           | 18.66                            | 18.63                            | 20                     | 5           |
| 3               | 256QAM     | 15      | 0         | 18.65                           | 18.77                            | 18.74                            |                        |             |
| Channel         |            |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |           |                                 |                                  |                                  |                        |             |
| 1.4             | QPSK       | 1       | 0         | 23.92                           | 24.02                            | 24.02                            | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 1.4             | QPSK       | 1       | 3         | 23.88                           | 24.02                            | 23.89                            | 25                     | 0           |
| 1.4             | QPSK       | 1       | 6         | 24.01                           | 24.01                            | 23.89                            |                        |             |
| 1.4             | QPSK       | 3       | 1         | 23.96                           | 23.93                            | 23.99                            |                        |             |
| 1.4             | QPSK       | 3       | 3         | 23.97                           | 23.96                            | 24.02                            |                        |             |
| 1.4             | QPSK       | 6       | 0         | 22.96                           | 22.97                            | 23.01                            | 24                     | 1           |
| 1.4             | 16QAM      | 1       | 0         | 23.07                           | 23.18                            | 23.22                            |                        |             |
| 1.4             | 16QAM      | 1       | 3         | 23.17                           | 23.07                            | 23.17                            |                        |             |
| 1.4             | 16QAM      | 1       | 5         | 23.11                           | 23.09                            | 23.04                            | 24                     | 1           |
| 1.4             | 16QAM      | 3       | 0         | 23.00                           | 23.03                            | 23.09                            |                        |             |
| 1.4             | 16QAM      | 3       | 1         | 22.94                           | 22.92                            | 22.95                            |                        |             |
| 1.4             | 16QAM      | 6       | 0         | 22.92                           | 22.95                            | 23.07                            | 23                     | 2           |
| 1.4             | 64QAM      | 1       | 0         | 22.01                           | 22.11                            | 22.13                            |                        |             |
| 1.4             | 64QAM      | 1       | 3         | 22.02                           | 22.12                            | 22.06                            |                        |             |
| 1.4             | 64QAM      | 1       | 5         | 22.05                           | 22.09                            | 22.05                            |                        |             |
| 1.4             | 64QAM      | 3       | 1         | 22.10                           | 22.07                            | 22.01                            | 23                     | 2           |
| 1.4             | 64QAM      | 3       | 3         | 22.02                           | 22.07                            | 22.09                            |                        |             |
| 1.4             | 64QAM      | 6       | 0         | 22.04                           | 22.05                            | 22.13                            |                        |             |
| 1.4             | 256QAM     | 1       | 0         | 21.04                           | 21.07                            | 21.09                            | 22                     | 3           |
| 1.4             | 256QAM     | 1       | 3         | 18.63                           | 18.73                            | 18.63                            |                        |             |
| 1.4             | 256QAM     | 1       | 5         | 18.62                           | 18.57                            | 18.84                            |                        |             |
| 1.4             | 256QAM     | 3       | 0         | 18.45                           | 18.51                            | 18.82                            | 20                     | 5           |
| 1.4             | 256QAM     | 3       | 1         | 18.57                           | 18.70                            | 18.70                            |                        |             |
| 1.4             | 256QAM     | 3       | 1         | 18.66                           | 18.76                            | 18.70                            |                        |             |
| 1.4             | 256QAM     | 3       | 3         | 18.63                           | 18.65                            | 18.72                            |                        |             |
| 1.4             | 256QAM     | 6       | 0         | 18.66                           | 18.73                            | 18.67                            | 20                     | 5           |

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| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq. | Power Mode<br>Ch. Freq. | Power High<br>Ch. Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|------------------------|-------------------------|-------------------------|------------------------|-------------|
| Channel         |            |         |           |                        |                         |                         |                        |             |
| Frequency (MHz) |            |         |           |                        |                         |                         |                        |             |
| 20              | QPSK       | 1       | 0         | 1720                   | 1745                    | 1770                    |                        |             |
| 20              | QPSK       | 1       | 49        | 18.96                  | 18.95                   | 19.05                   | 20                     | 0           |
| 20              | QPSK       | 1       | 99        | 18.89                  | 18.98                   | 18.86                   |                        |             |
| 20              | QPSK       | 50      | 0         | 19.07                  | 19.12                   | 19.02                   |                        |             |
| 20              | QPSK       | 50      | 24        | 18.93                  | 18.90                   | 18.93                   | 20                     | 0           |
| 20              | QPSK       | 50      | 50        | 18.91                  | 19.07                   | 18.98                   |                        |             |
| 20              | QPSK       | 100     | 0         | 18.86                  | 19.00                   | 18.93                   |                        |             |
| 20              | 16QAM      | 1       | 0         | 18.87                  | 19.03                   | 18.97                   |                        |             |
| 20              | 16QAM      | 1       | 49        | 18.89                  | 19.02                   | 18.96                   | 20                     | 0           |
| 20              | 16QAM      | 1       | 99        | 18.94                  | 18.93                   | 18.92                   |                        |             |
| 20              | 16QAM      | 50      | 0         | 18.88                  | 19.11                   | 18.94                   |                        |             |
| 20              | 16QAM      | 50      | 24        | 18.93                  | 18.92                   | 18.92                   | 20                     | 0           |
| 20              | 16QAM      | 50      | 50        | 18.98                  | 18.94                   | 18.90                   |                        |             |
| 20              | 16QAM      | 100     | 0         | 18.92                  | 19.05                   | 18.88                   |                        |             |
| 20              | 64QAM      | 1       | 0         | 19.05                  | 19.09                   | 18.99                   |                        |             |
| 20              | 64QAM      | 1       | 49        | 18.97                  | 19.05                   | 18.99                   | 20                     | 0           |
| 20              | 64QAM      | 1       | 99        | 18.83                  | 19.01                   | 18.89                   |                        |             |
| 20              | 64QAM      | 50      | 0         | 19.03                  | 19.12                   | 18.91                   |                        |             |
| 20              | 64QAM      | 50      | 24        | 18.91                  | 19.03                   | 18.93                   | 20                     | 0           |
| 20              | 64QAM      | 50      | 50        | 18.93                  | 19.03                   | 18.92                   |                        |             |
| 20              | 64QAM      | 100     | 0         | 18.91                  | 19.04                   | 18.93                   |                        |             |
| 20              | 256QAM     | 1       | 0         | 18.21                  | 18.29                   | 18.17                   |                        |             |
| 20              | 256QAM     | 1       | 49        | 18.36                  | 18.29                   | 18.26                   | 19                     | 1           |
| 20              | 256QAM     | 1       | 99        | 18.31                  | 18.40                   | 18.34                   |                        |             |
| 20              | 256QAM     | 50      | 0         | 17.97                  | 18.07                   | 17.85                   |                        |             |
| 20              | 256QAM     | 50      | 24        | 18.13                  | 18.15                   | 17.95                   | 19                     | 1           |
| 20              | 256QAM     | 50      | 50        | 18.16                  | 18.24                   | 18.08                   |                        |             |
| 20              | 256QAM     | 100     | 0         | 18.02                  | 18.17                   | 18.09                   |                        |             |
| Channel         |            |         |           |                        |                         |                         |                        |             |
| Frequency (MHz) |            |         |           |                        |                         |                         |                        |             |
| 15              | QPSK       | 1       | 0         | 1717.5                 | 1745                    | 1772.5                  |                        |             |
| 15              | QPSK       | 1       | 0         | 19.02                  | 19.11                   | 19.05                   |                        |             |
| 15              | QPSK       | 1       | 37        | 18.87                  | 19.03                   | 19.06                   | 20                     | 0           |
| 15              | QPSK       | 1       | 74        | 18.85                  | 19.02                   | 18.94                   |                        |             |
| 15              | QPSK       | 36      | 0         | 19.01                  | 19.03                   | 19.04                   |                        |             |
| 15              | QPSK       | 36      | 36        | 18.95                  | 19.02                   | 18.94                   | 20                     | 0           |
| 15              | QPSK       | 36      | 36        | 18.92                  | 19.06                   | 18.94                   |                        |             |
| 15              | QPSK       | 75      | 0         | 18.86                  | 19.06                   | 18.90                   |                        |             |
| 15              | 16QAM      | 1       | 0         | 18.87                  | 19.06                   | 18.90                   |                        |             |
| 15              | 16QAM      | 1       | 37        | 18.89                  | 19.02                   | 18.92                   | 20                     | 0           |
| 15              | 16QAM      | 1       | 74        | 18.96                  | 19.05                   | 19.02                   |                        |             |
| 15              | 16QAM      | 36      | 0         | 19.03                  | 19.01                   | 19.04                   |                        |             |
| 15              | 16QAM      | 36      | 36        | 19.03                  | 19.00                   | 18.99                   | 20                     | 0           |
| 15              | 16QAM      | 36      | 36        | 18.90                  | 19.12                   | 18.87                   |                        |             |
| 15              | 16QAM      | 75      | 0         | 18.97                  | 18.99                   | 18.96                   |                        |             |
| 15              | 64QAM      | 1       | 0         | 18.96                  | 19.05                   | 18.96                   |                        |             |
| 15              | 64QAM      | 1       | 37        | 19.00                  | 19.01                   | 18.98                   | 20                     | 0           |
| 15              | 64QAM      | 1       | 74        | 18.93                  | 18.98                   | 18.89                   |                        |             |
| 15              | 64QAM      | 36      | 0         | 18.99                  | 19.06                   | 18.92                   |                        |             |
| 15              | 64QAM      | 36      | 36        | 18.94                  | 19.00                   | 18.89                   | 20                     | 0           |
| 15              | 64QAM      | 36      | 36        | 18.94                  | 19.01                   | 18.89                   |                        |             |
| 15              | 64QAM      | 75      | 0         | 18.85                  | 19.11                   | 18.92                   |                        |             |
| 15              | 256QAM     | 1       | 0         | 18.11                  | 18.29                   | 18.16                   |                        |             |
| 15              | 256QAM     | 1       | 37        | 18.26                  | 18.30                   | 18.16                   | 19                     | 1           |
| 15              | 256QAM     | 1       | 74        | 18.21                  | 18.34                   | 18.24                   |                        |             |
| 15              | 256QAM     | 36      | 0         | 17.87                  | 17.87                   | 17.85                   |                        |             |
| 15              | 256QAM     | 36      | 36        | 18.03                  | 18.10                   | 18.05                   | 19                     | 1           |
| 15              | 256QAM     | 36      | 36        | 18.06                  | 18.14                   | 17.98                   |                        |             |
| 15              | 256QAM     | 75      | 0         | 17.92                  | 18.07                   | 17.99                   |                        |             |
| Channel         |            |         |           |                        |                         |                         |                        |             |
| Frequency (MHz) |            |         |           |                        |                         |                         |                        |             |
| 10              | QPSK       | 1       | 0         | 1712.5                 | 1742.5                  | 1772.5                  |                        |             |
| 10              | QPSK       | 1       | 0         | 19.08                  | 19.08                   | 19.07                   |                        |             |
| 10              | QPSK       | 1       | 25        | 18.87                  | 19.04                   | 18.97                   | 20                     | 0           |
| 10              | QPSK       | 1       | 50        | 18.93                  | 18.92                   | 18.84                   |                        |             |
| 10              | QPSK       | 25      | 0         | 19.02                  | 19.04                   | 19.06                   |                        |             |
| 10              | QPSK       | 25      | 12        | 18.97                  | 18.95                   | 18.99                   | 20                     | 0           |
| 10              | QPSK       | 25      | 37        | 18.98                  | 19.06                   | 18.91                   |                        |             |
| 10              | QPSK       | 50      | 0         | 18.91                  | 18.93                   | 18.87                   |                        |             |
| 10              | 16QAM      | 1       | 0         | 18.94                  | 19.04                   | 18.94                   |                        |             |
| 10              | 16QAM      | 1       | 25        | 18.98                  | 19.14                   | 18.96                   | 20                     | 0           |
| 10              | 16QAM      | 1       | 49        | 18.96                  | 19.05                   | 18.97                   |                        |             |
| 10              | 16QAM      | 25      | 0         | 18.92                  | 19.03                   | 18.93                   |                        |             |
| 10              | 16QAM      | 25      | 12        | 18.95                  | 19.09                   | 18.90                   | 20                     | 0           |
| 10              | 16QAM      | 25      | 25        | 18.95                  | 18.92                   | 18.85                   |                        |             |
| 10              | 16QAM      | 50      | 0         | 18.89                  | 19.01                   | 18.89                   |                        |             |
| 10              | 64QAM      | 1       | 0         | 19.00                  | 19.08                   | 18.89                   |                        |             |
| 10              | 64QAM      | 1       | 25        | 18.94                  | 19.05                   | 18.90                   | 20                     | 0           |
| 10              | 64QAM      | 1       | 49        | 18.89                  | 18.99                   | 18.89                   |                        |             |
| 10              | 64QAM      | 25      | 0         | 18.94                  | 19.02                   | 18.97                   |                        |             |
| 10              | 64QAM      | 25      | 12        | 18.85                  | 18.97                   | 18.99                   | 20                     | 0           |
| 10              | 64QAM      | 25      | 37        | 18.94                  | 19.11                   | 19.00                   |                        |             |
| 10              | 64QAM      | 50      | 0         | 18.92                  | 19.00                   | 18.98                   |                        |             |
| 10              | 256QAM     | 1       | 0         | 18.11                  | 18.19                   | 18.07                   |                        |             |
| 10              | 256QAM     | 1       | 25        | 18.26                  | 18.30                   | 18.16                   | 19                     | 1           |
| 10              | 256QAM     | 1       | 49        | 18.21                  | 18.30                   | 18.24                   |                        |             |
| 10              | 256QAM     | 25      | 0         | 17.87                  | 17.87                   | 17.85                   |                        |             |
| 10              | 256QAM     | 25      | 12        | 18.03                  | 18.10                   | 18.05                   | 19                     | 1           |
| 10              | 256QAM     | 25      | 25        | 18.06                  | 18.14                   | 17.98                   |                        |             |
| 10              | 256QAM     | 50      | 0         | 17.92                  | 18.07                   | 17.99                   |                        |             |
| Channel         |            |         |           |                        |                         |                         |                        |             |
| Frequency (MHz) |            |         |           |                        |                         |                         |                        |             |
| 5               | QPSK       | 1       | 0         | 1715.67                | 1742.52                 | 1769.67                 |                        |             |
| 5               | QPSK       | 1       | 0         | 19.08                  | 19.08                   | 19.07                   |                        |             |
| 5               | QPSK       | 1       | 12        | 18.87                  | 19.02                   | 18.94                   | 20                     | 0           |
| 5               | QPSK       | 1       | 24        | 18.85                  | 18.91                   | 18.92                   |                        |             |
| 5               | QPSK       | 6       | 0         | 19.07                  | 19.03                   | 19.03                   |                        |             |
| 5               | QPSK       | 12      | 7         | 19.04                  | 19.03                   | 18.93                   | 20                     | 0           |
| 5               | QPSK       | 12      | 13        | 18.98                  | 19.06                   | 18.90                   |                        |             |
| 5               | QPSK       | 24      | 0         | 18.87                  | 18.98                   | 18.85                   |                        |             |
| 5               | 16QAM      | 1       | 0         | 18.95                  | 19.01                   | 18.95                   |                        |             |
| 5               | 16QAM      | 1       | 12        | 18.95                  | 19.02                   | 18.99                   | 20                     | 0           |
| 5               | 16QAM      | 1       | 24        | 18.93                  | 18.98                   | 18.95                   |                        |             |
| 5               | 16QAM      | 12      | 0         | 18.91                  | 19.07                   | 19.03                   |                        |             |
| 5               | 16QAM      | 12      | 6         | 18.93                  | 19.03                   | 18.98                   | 20                     | 0           |
| 5               | 16QAM      | 12      | 13        | 18.99                  | 18.97                   | 18.82                   |                        |             |
| 5               | 16QAM      | 24      | 0         | 18.93                  | 18.97                   | 18.88                   |                        |             |
| 5               | 64QAM      | 1       | 0         | 18.89                  | 19.01                   | 18.91                   |                        |             |
| 5               | 64QAM      | 1       | 12        | 18.91                  | 19.08                   | 18.94                   | 20                     | 0           |
| 5               | 64QAM      | 1       | 24        | 18.81                  | 18.91                   | 18.89                   |                        |             |
| 5               | 64QAM      | 6       | 0         | 19.04                  | 19.01                   | 18.91                   |                        |             |
| 5               | 64QAM      | 12      | 7         | 18.96                  | 18.91                   | 18.92                   | 20                     | 0           |
| 5               | 64QAM      | 12      | 13        | 19.05                  | 19.03                   | 19.01                   |                        |             |
| 5               | 64QAM      | 24      | 0         | 18.88                  | 19.06                   | 18.99                   |                        |             |
| 5               | 256QAM     | 1       | 0         | 18.11                  | 18.19                   | 18.07                   |                        |             |
| 5               | 256QAM     | 1       | 6         | 18.26                  | 18.30                   | 18.16                   | 19                     | 1           |
| 5               | 256QAM     | 1       | 12        | 18.21                  | 18.30                   | 18.24                   |                        |             |
| 5               | 256QAM     | 1       | 24        | 18.21                  | 18.30                   | 18.24                   |                        |             |
| 5               | 256QAM     | 12      | 0         | 17.87                  | 17.87                   | 17.85                   |                        |             |
| 5               | 256QAM     | 12      | 6         | 18.03                  | 18.10                   | 18.05                   | 19                     | 1           |
| 5               | 256QAM     | 12      | 13        | 18.06                  | 18.14                   | 17.98                   |                        |             |
| 5               | 256QAM     | 24      | 0         | 17.92                  | 18.07                   | 17.99                   |                        |             |
| Channel         |            |         |           |                        |                         |                         |                        |             |
| Frequency (MHz) |            |         |           |                        |                         |                         |                        |             |
| 3               | QPSK       | 1       | 0         | 1717.5                 | 1745                    | 1772.5                  |                        |             |
| 3               | QPSK       | 1       | 0         | 19.02                  | 19.11                   | 19.09                   |                        |             |
| 3               | QPSK       | 1       | 37        | 18.81                  | 18.93                   | 18.96                   | 20                     | 0           |
| 3               | QPSK       | 1       | 14        | 18.84                  | 18.86                   | 18.85                   |                        |             |
| 3               | QPSK       | 6       | 0         | 19.09                  | 19.03                   | 19.03                   |                        |             |
| 3               | QPSK       | 6       | 37        | 18.98                  | 19.01                   | 18.95                   | 20                     | 0           |
| 3               | QPSK       | 8       | 7         | 18.98                  | 19.08                   | 18.98                   |                        |             |
| 3               | QPSK       | 16      | 0         | 18.94                  | 19.03                   | 18.92                   |                        |             |
| 3               | 16QAM      | 1       | 0         | 18.96                  | 19.07                   | 18.94                   |                        |             |
| 3               | 16QAM      | 1       | 8         | 18.98                  | 19.08                   | 19.04                   | 20                     | 0           |
| 3               | 16QAM      | 1       | 14        | 18.87                  | 18.95                   | 18.95                   |                        |             |
| 3               | 16QAM      | 8       | 0         | 18.93                  | 19.06                   | 18.94                   |                        |             |
| 3               | 16QAM      | 8       | 4         | 18.99                  | 19.03                   | 18.90                   | 20                     | 0           |
| 3               | 16QAM      | 16      | 0         | 18.92                  | 19.06                   | 18.88                   |                        |             |
| 3               | 64QAM      | 1       | 0         | 18.87                  | 19.06                   | 18.90                   |                        |             |
| 3               | 64QAM      | 1       | 8         | 18.98                  | 19.12                   | 19.02                   | 20                     | 0           |
| 3               | 64QAM      | 1       | 14        | 18.93                  | 18.94                   | 18.86                   |                        |             |
| 3               | 64QAM      | 8       | 0         | 18.94                  | 19.12                   | 18.91                   |                        |             |
| 3               | 64QAM      | 8       | 8         | 19.02                  | 19.07                   | 18.97                   | 20                     | 0           |
| 3               | 64QAM      | 8       | 7         | 18.99                  | 19.10                   | 18.93                   |                        |             |
| 3               | 64QAM      | 16      | 0         | 18.97                  | 19.04                   | 18.94                   |                        |             |
| 3               | 256QAM     | 1       | 0         | 18.11                  | 18.19                   | 18.07                   |                        |             |
| 3               | 256QAM     | 1       | 8         | 18.26                  | 18.30                   | 18.16                   | 19                     | 1           |
| 3               | 256QAM     | 1       | 14        | 18.21                  | 18.34                   | 18.24                   |                        |             |
| 3               | 256QAM     | 8       | 0         | 17.87                  | 17.87                   | 17.85                   |                        |             |
| 3               | 256QAM     | 8       | 4         | 18.03                  | 18.10                   | 18.05                   | 19                     | 1           |
| 3               | 256QAM     | 8       | 7         | 18.06                  | 18.14                   | 17.98                   |                        |             |
| 3               | 256QAM     | 16      | 0         | 17.92                  | 18.07                   | 17.99                   |                        |             |
| Channel         |            |         |           |                        |                         |                         |                        |             |
| Frequency (MHz) |            |         |           |                        |                         |                         |                        |             |
| 1.4             | QPSK       | 1       | 0         | 1715.67                | 1742.52                 | 1769.67                 |                        |             |
| 1.4             | QPSK       | 1       | 3         | 18.93                  | 19.11                   | 19.07                   |                        |             |
| 1.4             | QPSK       | 1       | 3         | 18.94                  | 18.93                   | 18.84                   | 20                     | 0           |
| 1.4             | QPSK       | 3       | 0         | 19.04                  | 19.08                   | 19.01                   |                        |             |
| 1.4             | QPSK       | 3       | 1         | 19.04                  | 19.01                   | 19.01                   |                        |             |
| 1.4             | QPSK       | 3       | 10        | 19.09                  | 19.08                   | 18.87                   |                        |             |
| 1.4             | QPSK       | 6       | 0         | 18.94                  | 19.02                   | 18.93                   | 20                     | 0           |
| 1.4             | 16QAM      | 1       | 0         | 18.99                  | 19.09                   | 18.97                   |                        |             |
| 1.4             | 16QAM      | 1       | 3         | 18.85                  | 19.10                   | 18.95                   |                        |             |
| 1.4             | 16QAM      | 1       | 5         | 18.89                  | 19.05                   | 18.92                   | 20                     | 0           |
| 1.4             | 16QAM      | 3       | 0         | 18.91                  | 19.06                   | 18.93                   |                        |             |
| 1.4             | 16QAM      | 3       | 1         | 18.92                  | 19.07                   | 19.00                   |                        |             |
| 1.4             | 16QAM      | 3       | 3         | 18.80                  | 18.91                   | 18.84                   | 20                     | 0           |
| 1.4             | 16QAM      | 3       | 6         | 18.89                  | 18.98                   | 18.92                   |                        |             |
| 1.4             | 64QAM      | 1       | 0         | 19.05                  | 19.07                   | 18.88                   |                        |             |
| 1.4             | 64QAM      | 1       | 3         | 18.88                  | 19.10                   | 18.95                   |                        |             |
| 1.4             | 64QAM      | 1       | 3         | 19.04                  | 19.01                   | 18.93                   | 20                     | 0           |
| 1.4             | 64QAM      | 3       | 0         | 19.04                  | 19.05                   | 18.94                   |                        |             |
| 1.4             | 64QAM      | 3       | 1         | 18.87                  | 18.91                   | 18.89                   |                        |             |
| 1.4             | 64QAM      | 3       | 10        | 19.07                  | 19.01                   | 19.00                   |                        |             |
| 1.4             | 64QAM      | 6       | 0         | 18.87                  | 18.98                   | 18.98                   | 20                     | 0           |
| 1.4             | 256QAM     | 1       | 0         | 18.06                  | 18.07                   | 18.03                   |                        |             |
| 1.4             | 256QAM     | 1       | 3         | 18.10                  | 18.21                   | 18.06                   |                        |             |

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| BW [MHz]                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           | 37500                       | 36000                          | 38150                        | 20                     | 19.5        |
|                            |            |         |           | 26165                       | 26165                          | 26165                        |                        |             |
| 20                         | QPSK       | 1       | 0         | 18.40                       | 18.38                          | 18.45                        | 19.5                   | 0           |
| 20                         | QPSK       | 1       | 49        | 18.31                       | 18.36                          | 18.32                        |                        |             |
| 20                         | QPSK       | 1       | 99        | 18.31                       | 18.40                          | 18.31                        |                        |             |
| 20                         | QPSK       | 50      | 0         | 18.44                       | 18.46                          | 18.43                        |                        |             |
| 20                         | QPSK       | 50      | 24        | 18.38                       | 18.37                          | 18.32                        | 19.5                   | 0           |
| 20                         | QPSK       | 50      | 50        | 18.38                       | 18.36                          | 18.35                        |                        |             |
| 20                         | QPSK       | 100     | 0         | 18.43                       | 18.45                          | 18.41                        |                        |             |
| 20                         | 16QAM      | 1       | 0         | 18.30                       | 18.33                          | 18.32                        |                        |             |
| 20                         | 16QAM      | 1       | 49        | 18.32                       | 18.41                          | 18.30                        | 19.5                   | 0           |
| 20                         | 16QAM      | 1       | 99        | 18.39                       | 18.43                          | 18.32                        |                        |             |
| 20                         | 16QAM      | 50      | 0         | 18.39                       | 18.36                          | 18.34                        |                        |             |
| 20                         | 16QAM      | 50      | 24        | 18.41                       | 18.30                          | 18.38                        |                        |             |
| 20                         | 16QAM      | 50      | 50        | 18.33                       | 18.32                          | 18.40                        | 19.5                   | 0           |
| 20                         | 16QAM      | 100     | 0         | 18.36                       | 18.33                          | 18.34                        |                        |             |
| 20                         | 16QAM      | 1       | 0         | 18.40                       | 18.36                          | 18.34                        |                        |             |
| 20                         | 64QAM      | 1       | 49        | 18.39                       | 18.34                          | 18.33                        |                        |             |
| 20                         | 64QAM      | 1       | 99        | 18.40                       | 18.43                          | 18.34                        | 19.5                   | 0           |
| 20                         | 64QAM      | 50      | 0         | 18.40                       | 18.32                          | 18.40                        |                        |             |
| 20                         | 64QAM      | 50      | 24        | 18.37                       | 18.40                          | 18.30                        |                        |             |
| 20                         | 64QAM      | 50      | 50        | 18.41                       | 18.43                          | 18.32                        |                        |             |
| 20                         | 256QAM     | 1       | 0         | 17.86                       | 17.89                          | 17.89                        | 19                     | 0.5         |
| 20                         | 256QAM     | 1       | 49        | 17.80                       | 17.82                          | 17.79                        |                        |             |
| 20                         | 256QAM     | 50      | 0         | 17.81                       | 17.86                          | 17.86                        |                        |             |
| 20                         | 256QAM     | 50      | 24        | 17.84                       | 17.82                          | 17.81                        |                        |             |
| 20                         | 256QAM     | 50      | 50        | 17.83                       | 17.81                          | 17.88                        | 19                     | 0.5         |
| 20                         | 256QAM     | 100     | 0         | 17.85                       | 17.90                          | 17.89                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 37425                       | 36000                          | 38175                        |                        |             |
| Frequency (MHz)            |            |         |           | 25772.5                     | 25995                          | 26122.5                      | 20                     | 19.5        |
|                            |            |         |           | 26165                       | 26165                          | 26165                        |                        |             |
| 15                         | QPSK       | 1       | 0         | 18.36                       | 18.36                          | 18.30                        | 19.5                   | 0           |
| 15                         | QPSK       | 1       | 37        | 18.32                       | 18.36                          | 18.34                        |                        |             |
| 15                         | QPSK       | 1       | 74        | 18.37                       | 18.32                          | 18.29                        |                        |             |
| 15                         | QPSK       | 36      | 0         | 18.33                       | 18.39                          | 18.30                        |                        |             |
| 15                         | QPSK       | 36      | 39        | 18.30                       | 18.36                          | 18.30                        | 19.5                   | 0           |
| 15                         | QPSK       | 75      | 0         | 18.34                       | 18.43                          | 18.32                        |                        |             |
| 15                         | 16QAM      | 1       | 0         | 18.36                       | 18.36                          | 18.39                        |                        |             |
| 15                         | 16QAM      | 1       | 37        | 18.34                       | 18.32                          | 18.30                        |                        |             |
| 15                         | 16QAM      | 1       | 74        | 18.37                       | 18.36                          | 18.31                        | 19.5                   | 0           |
| 15                         | 16QAM      | 36      | 0         | 18.33                       | 18.40                          | 18.31                        |                        |             |
| 15                         | 16QAM      | 36      | 20        | 18.34                       | 18.39                          | 18.30                        |                        |             |
| 15                         | 16QAM      | 36      | 39        | 18.35                       | 18.40                          | 18.40                        |                        |             |
| 15                         | 64QAM      | 1       | 0         | 18.30                       | 18.36                          | 18.37                        | 19.5                   | 0           |
| 15                         | 64QAM      | 1       | 0         | 18.38                       | 18.32                          | 18.31                        |                        |             |
| 15                         | 64QAM      | 74      | 1         | 18.33                       | 18.40                          | 18.35                        |                        |             |
| 15                         | 64QAM      | 36      | 0         | 18.41                       | 18.36                          | 18.40                        |                        |             |
| 15                         | 64QAM      | 36      | 20        | 18.34                       | 18.34                          | 18.39                        | 19.5                   | 0           |
| 15                         | 64QAM      | 36      | 39        | 18.40                       | 18.42                          | 18.39                        |                        |             |
| 15                         | 64QAM      | 75      | 0         | 18.35                       | 18.33                          | 18.35                        |                        |             |
| 15                         | 256QAM     | 1       | 0         | 17.82                       | 17.82                          | 17.81                        |                        |             |
| 15                         | 256QAM     | 1       | 37        | 17.84                       | 17.86                          | 17.83                        | 19                     | 0.5         |
| 15                         | 256QAM     | 1       | 74        | 17.85                       | 17.86                          | 17.85                        |                        |             |
| 15                         | 256QAM     | 36      | 0         | 17.81                       | 17.86                          | 17.80                        |                        |             |
| 15                         | 256QAM     | 36      | 39        | 17.80                       | 17.83                          | 17.79                        |                        |             |
| 15                         | 256QAM     | 75      | 0         | 17.87                       | 17.89                          | 17.87                        | 19                     | 0.5         |
| Channel<br>Frequency (MHz) |            |         |           | 37600                       | 36000                          | 38200                        |                        |             |
| Frequency (MHz)            |            |         |           | 25775                       | 25995                          | 26175                        | 20                     | 19.5        |
|                            |            |         |           | 26165                       | 26165                          | 26165                        |                        |             |
| 10                         | QPSK       | 1       | 0         | 18.41                       | 18.41                          | 18.38                        | 19.5                   | 0           |
| 10                         | QPSK       | 1       | 25        | 18.36                       | 18.34                          | 18.39                        |                        |             |
| 10                         | QPSK       | 1       | 49        | 18.38                       | 18.38                          | 18.35                        |                        |             |
| 10                         | QPSK       | 25      | 0         | 18.34                       | 18.34                          | 18.31                        |                        |             |
| 10                         | QPSK       | 25      | 12        | 18.39                       | 18.37                          | 18.37                        | 19.5                   | 0           |
| 10                         | QPSK       | 25      | 25        | 18.41                       | 18.40                          | 18.39                        |                        |             |
| 10                         | QPSK       | 50      | 0         | 18.33                       | 18.33                          | 18.33                        |                        |             |
| 10                         | 16QAM      | 1       | 0         | 18.34                       | 18.41                          | 18.34                        |                        |             |
| 10                         | 16QAM      | 1       | 25        | 18.31                       | 18.34                          | 18.32                        | 19.5                   | 0           |
| 10                         | 16QAM      | 1       | 49        | 18.32                       | 18.40                          | 18.40                        |                        |             |
| 10                         | 16QAM      | 25      | 0         | 18.31                       | 18.40                          | 18.30                        |                        |             |
| 10                         | 16QAM      | 25      | 12        | 18.32                       | 18.36                          | 18.38                        |                        |             |
| 10                         | 16QAM      | 25      | 25        | 18.38                       | 18.39                          | 18.40                        | 19.5                   | 0           |
| 10                         | 16QAM      | 50      | 0         | 18.38                       | 18.42                          | 18.30                        |                        |             |
| 10                         | 64QAM      | 1       | 0         | 18.39                       | 18.35                          | 18.32                        |                        |             |
| 10                         | 64QAM      | 1       | 49        | 18.31                       | 18.40                          | 18.40                        |                        |             |
| 10                         | 64QAM      | 25      | 0         | 18.34                       | 18.38                          | 18.38                        | 19.5                   | 0           |
| 10                         | 64QAM      | 25      | 12        | 18.34                       | 18.39                          | 18.30                        |                        |             |
| 10                         | 64QAM      | 25      | 25        | 18.39                       | 18.39                          | 18.36                        |                        |             |
| 10                         | 64QAM      | 50      | 0         | 18.33                       | 18.43                          | 18.38                        |                        |             |
| 10                         | 256QAM     | 1       | 0         | 17.86                       | 17.86                          | 17.79                        | 19                     | 0.5         |
| 10                         | 256QAM     | 1       | 49        | 17.89                       | 17.84                          | 17.80                        |                        |             |
| 10                         | 256QAM     | 25      | 0         | 17.80                       | 17.83                          | 17.87                        |                        |             |
| 10                         | 256QAM     | 25      | 12        | 17.81                       | 17.85                          | 17.80                        |                        |             |
| 10                         | 256QAM     | 25      | 25        | 17.86                       | 17.89                          | 17.83                        | 19                     | 0.5         |
| 10                         | 256QAM     | 50      | 0         | 17.83                       | 17.81                          | 17.84                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 37775                       | 36000                          | 38225                        |                        |             |
| Frequency (MHz)            |            |         |           | 25772.5                     | 25995                          | 26175                        | 20                     | 19.5        |
|                            |            |         |           | 26165                       | 26165                          | 26165                        |                        |             |
| 5                          | QPSK       | 1       | 0         | 18.31                       | 18.38                          | 18.29                        | 19.5                   | 0           |
| 5                          | QPSK       | 1       | 12        | 18.40                       | 18.39                          | 18.36                        |                        |             |
| 5                          | QPSK       | 1       | 24        | 18.31                       | 18.33                          | 18.29                        |                        |             |
| 5                          | QPSK       | 12      | 0         | 18.31                       | 18.39                          | 18.29                        |                        |             |
| 5                          | QPSK       | 12      | 7         | 18.30                       | 18.37                          | 18.30                        | 19.5                   | 0           |
| 5                          | QPSK       | 12      | 13        | 18.32                       | 18.40                          | 18.31                        |                        |             |
| 5                          | QPSK       | 25      | 0         | 18.35                       | 18.32                          | 18.31                        |                        |             |
| 5                          | 16QAM      | 1       | 0         | 18.41                       | 18.42                          | 18.31                        |                        |             |
| 5                          | 16QAM      | 1       | 12        | 18.30                       | 18.33                          | 18.31                        | 19.5                   | 0           |
| 5                          | 16QAM      | 1       | 24        | 18.41                       | 18.33                          | 18.38                        |                        |             |
| 5                          | 16QAM      | 12      | 0         | 18.33                       | 18.34                          | 18.36                        |                        |             |
| 5                          | 16QAM      | 12      | 7         | 18.30                       | 18.38                          | 18.31                        |                        |             |
| 5                          | 16QAM      | 12      | 13        | 18.30                       | 18.37                          | 18.35                        | 19.5                   | 0           |
| 5                          | 16QAM      | 25      | 0         | 18.31                       | 18.32                          | 18.34                        |                        |             |
| 5                          | 64QAM      | 1       | 0         | 18.30                       | 18.34                          | 18.40                        |                        |             |
| 5                          | 64QAM      | 1       | 12        | 18.40                       | 18.43                          | 18.39                        |                        |             |
| 5                          | 64QAM      | 1       | 24        | 18.32                       | 18.41                          | 18.39                        | 19.5                   | 0           |
| 5                          | 64QAM      | 12      | 0         | 18.37                       | 18.43                          | 18.36                        |                        |             |
| 5                          | 64QAM      | 12      | 7         | 18.36                       | 18.38                          | 18.40                        |                        |             |
| 5                          | 64QAM      | 12      | 13        | 18.35                       | 18.38                          | 18.35                        |                        |             |
| 5                          | 256QAM     | 1       | 0         | 17.87                       | 17.83                          | 17.81                        | 19                     | 0.5         |
| 5                          | 256QAM     | 1       | 12        | 17.83                       | 17.84                          | 17.81                        |                        |             |
| 5                          | 256QAM     | 1       | 24        | 17.83                       | 17.82                          | 17.85                        |                        |             |
| 5                          | 256QAM     | 12      | 0         | 17.84                       | 17.82                          | 17.80                        |                        |             |
| 5                          | 256QAM     | 12      | 7         | 17.87                       | 17.83                          | 17.82                        | 19                     | 0.5         |
| 5                          | 256QAM     | 12      | 13        | 17.80                       | 17.82                          | 17.86                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 17.88                       | 17.86                          | 17.79                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 17.88                       | 17.86                          | 17.79                        |                        |             |

**Band 41\_Ant 4**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.                                                           | Power Low Middle<br>Ch. / Freq.                                       | Power Middle<br>Ch. / Freq.                            | Power High Middle<br>Ch. / Freq.          | Power High<br>Ch. / Freq.  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------|----------------------------|------------------------|-------------|
| Channel 1       |            |         |           |                                                                                    |                                                                       |                                                        |                                           |                            |                        |             |
| Frequency (MHz) |            |         |           | 38750                                                                              | 40185                                                                 | 40020                                                  | 41055                                     | 41490                      |                        |             |
| 20              | QPSK       | 1       | 0         | 25415                                                                              | 25415                                                                 | 2503                                                   | 2693                                      | 2693                       | 20                     |             |
| 20              | QPSK       | 1       | 49        | 18.31                                                                              | 18.34                                                                 | 18.45                                                  | 18.36                                     | 18.31                      | 19.5                   | 0           |
| 20              | QPSK       | 1       | 99        | 18.31                                                                              | 18.43                                                                 | 18.36                                                  | 18.31                                     | 18.28                      |                        |             |
| 20              | QPSK       | 50      | 0         | 18.45                                                                              | 18.43                                                                 | 18.48                                                  | 18.40                                     | 18.38                      |                        |             |
| 20              | QPSK       | 50      | 24        | 18.30                                                                              | 18.28                                                                 | 18.40                                                  | 18.28                                     | 18.31                      | 19.5                   | 0           |
| 20              | QPSK       | 50      | 50        | 18.34                                                                              | 18.26                                                                 | 18.38                                                  | 18.28                                     | 18.30                      |                        |             |
| 20              | QPSK       | 100     | 0         | 18.43                                                                              | 18.41                                                                 | 18.45                                                  | 18.38                                     | 18.37                      |                        |             |
| 20              | 16QAM      | 1       | 0         | 18.32                                                                              | 18.28                                                                 | 18.42                                                  | 18.33                                     | 18.29                      | 19.5                   | 0           |
| 20              | 16QAM      | 1       | 49        | 18.31                                                                              | 18.32                                                                 | 18.34                                                  | 18.35                                     | 18.22                      |                        |             |
| 20              | 16QAM      | 1       | 99        | 18.36                                                                              | 18.28                                                                 | 18.40                                                  | 18.31                                     | 18.27                      |                        |             |
| 20              | 16QAM      | 50      | 0         | 18.37                                                                              | 18.34                                                                 | 18.42                                                  | 18.30                                     | 18.28                      | 19.5                   | 0           |
| 20              | 16QAM      | 50      | 24        | 18.32                                                                              | 18.36                                                                 | 18.38                                                  | 18.33                                     | 18.26                      |                        |             |
| 20              | 16QAM      | 50      | 50        | 18.35                                                                              | 18.36                                                                 | 18.43                                                  | 18.35                                     | 18.32                      |                        |             |
| 20              | 64QAM      | 1       | 49        | 18.30                                                                              | 18.36                                                                 | 18.32                                                  | 18.35                                     | 18.32                      | 19.5                   | 0           |
| 20              | 64QAM      | 1       | 99        | 18.40                                                                              | 18.38                                                                 | 18.43                                                  | 18.26                                     | 18.28                      |                        |             |
| 20              | 64QAM      | 50      | 0         | 18.31                                                                              | 18.34                                                                 | 18.39                                                  | 18.28                                     | 18.30                      |                        |             |
| 20              | 64QAM      | 50      | 24        | 18.38                                                                              | 18.38                                                                 | 18.35                                                  | 18.34                                     | 18.22                      | 19.5                   | 0           |
| 20              | 64QAM      | 50      | 50        | 18.30                                                                              | 18.27                                                                 | 18.43                                                  | 18.32                                     | 18.29                      |                        |             |
| 20              | 64QAM      | 9       | 100       | 18.34                                                                              | 18.34                                                                 | 18.31                                                  | 18.28                                     | 18.28                      |                        |             |
| Channel 2       |            |         |           |                                                                                    |                                                                       |                                                        |                                           |                            |                        |             |
| 20              | 256QAM     | 1       | 0         | 17.86                                                                              | 17.78                                                                 | 17.88                                                  | 17.84                                     | 17.82                      | 19                     | 0.5         |
| 20              | 256QAM     | 1       | 49        | 17.81                                                                              | 17.79                                                                 | 17.89                                                  | 17.85                                     | 17.84                      |                        |             |
| 20              | 256QAM     | 1       | 99        | 17.86                                                                              | 17.87                                                                 | 17.91                                                  | 17.85                                     | 17.77                      |                        |             |
| 20              | 256QAM     | 50      | 0         | 17.87                                                                              | 17.87                                                                 | 17.91                                                  | 17.80                                     | 17.75                      |                        |             |
| 20              | 256QAM     | 50      | 24        | 17.85                                                                              | 17.88                                                                 | 17.83                                                  | 17.80                                     | 17.76                      | 19.5                   | 0           |
| 20              | 256QAM     | 50      | 50        | 17.87                                                                              | 17.83                                                                 | 17.90                                                  | 17.74                                     | 17.76                      |                        |             |
| 20              | 256QAM     | 100     | 0         | 17.87                                                                              | 17.86                                                                 | 17.88                                                  | 17.82                                     | 17.76                      |                        |             |
| Channel 3       |            |         |           |                                                                                    |                                                                       |                                                        |                                           |                            |                        |             |
| 20              | QPSK       | 1       | 0         | 25415                                                                              | 25415                                                                 | 2503                                                   | 2693                                      | 2693                       | 20                     |             |
| 15              | QPSK       | 1       | 0         | 18.30                                                                              | 18.33                                                                 | 18.42                                                  | 18.32                                     | 18.29                      | 19.5                   | 0           |
| 15              | QPSK       | 1       | 37        | 18.38                                                                              | 18.32                                                                 | 18.29                                                  | 18.29                                     | 18.24                      |                        |             |
| 15              | QPSK       | 1       | 74        | 18.31                                                                              | 18.35                                                                 | 18.43                                                  | 18.24                                     | 18.32                      |                        |             |
| 15              | QPSK       | 36      | 0         | 18.40                                                                              | 18.33                                                                 | 18.39                                                  | 18.26                                     | 18.28                      |                        |             |
| 15              | QPSK       | 36      | 20        | 18.27                                                                              | 18.34                                                                 | 18.26                                                  | 18.24                                     | 18.24                      | 19.5                   | 0           |
| 15              | QPSK       | 36      | 39        | 18.32                                                                              | 18.32                                                                 | 18.34                                                  | 18.34                                     | 18.26                      |                        |             |
| 15              | QPSK       | 75      | 0         | 18.36                                                                              | 18.33                                                                 | 18.39                                                  | 18.31                                     | 18.23                      |                        |             |
| 15              | 16QAM      | 1       | 0         | 18.31                                                                              | 18.29                                                                 | 18.39                                                  | 18.27                                     | 18.30                      | 19.5                   | 0           |
| 15              | 16QAM      | 1       | 37        | 18.38                                                                              | 18.28                                                                 | 18.35                                                  | 18.25                                     | 18.33                      |                        |             |
| 15              | 16QAM      | 1       | 74        | 18.31                                                                              | 18.39                                                                 | 18.30                                                  | 18.24                                     | 18.28                      |                        |             |
| 15              | 16QAM      | 36      | 0         | 18.40                                                                              | 18.26                                                                 | 18.41                                                  | 18.25                                     | 18.23                      |                        |             |
| 15              | 16QAM      | 36      | 20        | 18.35                                                                              | 18.34                                                                 | 18.34                                                  | 18.30                                     | 18.29                      | 19.5                   | 0           |
| 15              | 16QAM      | 36      | 39        | 18.27                                                                              | 18.39                                                                 | 18.24                                                  | 18.33                                     | 18.24                      |                        |             |
| 15              | 16QAM      | 75      | 0         | 18.36                                                                              | 18.37                                                                 | 18.32                                                  | 18.27                                     | 18.23                      |                        |             |
| 15              | 64QAM      | 1       | 0         | 18.40                                                                              | 18.32                                                                 | 18.37                                                  | 18.24                                     | 18.32                      | 19.5                   | 0           |
| 15              | 64QAM      | 1       | 37        | 18.36                                                                              | 18.42                                                                 | 18.33                                                  | 18.27                                     | 18.33                      |                        |             |
| 15              | 64QAM      | 1       | 74        | 18.30                                                                              | 18.30                                                                 | 18.33                                                  | 18.29                                     | 18.26                      |                        |             |
| 15              | 64QAM      | 36      | 0         | 18.40                                                                              | 18.35                                                                 | 18.40                                                  | 18.32                                     | 18.29                      |                        |             |
| 15              | 64QAM      | 36      | 20        | 18.37                                                                              | 18.32                                                                 | 18.34                                                  | 18.29                                     | 18.23                      | 19.5                   | 0           |
| 15              | 64QAM      | 36      | 39        | 18.40                                                                              | 18.34                                                                 | 18.37                                                  | 18.35                                     | 18.26                      |                        |             |
| 15              | 64QAM      | 75      | 0         | 18.30                                                                              | 18.34                                                                 | 18.35                                                  | 18.33                                     | 18.26                      |                        |             |
| 15              | 256QAM     | 1       | 0         | 17.87                                                                              | 17.78                                                                 | 17.82                                                  | 17.76                                     | 17.77                      | 19                     | 0.5         |
| 15              | 256QAM     | 1       | 37        | 17.80                                                                              | 17.83                                                                 | 17.91                                                  | 17.85                                     | 17.78                      |                        |             |
| 15              | 256QAM     | 1       | 74        | 17.88                                                                              | 17.79                                                                 | 17.90                                                  | 17.76                                     | 17.72                      |                        |             |
| 15              | 256QAM     | 36      | 0         | 17.87                                                                              | 17.80                                                                 | 17.85                                                  | 17.72                                     | 17.82                      | 19.5                   | 0           |
| 15              | 256QAM     | 36      | 20        | 17.88                                                                              | 17.82                                                                 | 17.85                                                  | 17.82                                     | 17.73                      |                        |             |
| 15              | 256QAM     | 36      | 39        | 17.84                                                                              | 17.83                                                                 | 17.82                                                  | 17.82                                     | 17.78                      |                        |             |
| 15              | 256QAM     | 75      | 0         | 17.84                                                                              | 17.77                                                                 | 17.87                                                  | 17.83                                     | 17.78                      | 19                     | 0.5         |
| Channel 4       |            |         |           |                                                                                    |                                                                       |                                                        |                                           |                            |                        |             |
| 20              | QPSK       | 1       | 0         | 38750                                                                              | 40160                                                                 | 40020                                                  | 41060                                     | 41540                      | 20                     |             |
| Frequency (MHz) |            |         |           | 2495 <th>2545.8<th>2503<th>2640.30<th>2617.5<th></th><th></th></th></th></th></th> | 2545.8 <th>2503<th>2640.30<th>2617.5<th></th><th></th></th></th></th> | 2503 <th>2640.30<th>2617.5<th></th><th></th></th></th> | 2640.30 <th>2617.5<th></th><th></th></th> | 2617.5 <th></th> <th></th> |                        |             |
| 10              | QPSK       | 1       | 0         | 18.38                                                                              | 18.34                                                                 | 18.38                                                  | 18.34                                     | 18.31                      | 19.50                  | 0           |
| 10              | QPSK       | 1       | 25        | 18.33                                                                              | 18.35                                                                 | 18.40                                                  | 18.30                                     | 18.30                      |                        |             |
| 10              | QPSK       | 1       | 49        | 18.31                                                                              | 18.38                                                                 | 18.32                                                  | 18.30                                     | 18.27                      |                        |             |
| 10              | QPSK       | 25      | 0         | 18.33                                                                              | 18.36                                                                 | 18.35                                                  | 18.26                                     | 18.25                      |                        |             |
| 10              | QPSK       | 25      | 12        | 18.29                                                                              | 18.34                                                                 | 18.33                                                  | 18.35                                     | 18.33                      | 19.5                   | 0           |
| 10              | QPSK       | 25      | 39        | 18.32                                                                              | 18.34                                                                 | 18.32                                                  | 18.29                                     | 18.27                      |                        |             |
| 10              | QPSK       | 50      | 0         | 18.39                                                                              | 18.33                                                                 | 18.41                                                  | 18.29                                     | 18.23                      |                        |             |
| 10              | 16QAM      | 1       | 0         | 18.40                                                                              | 18.30                                                                 | 18.34                                                  | 18.29                                     | 18.30                      | 19.5                   | 0           |
| 10              | 16QAM      | 1       | 13        | 18.34                                                                              | 18.28                                                                 | 18.42                                                  | 18.26                                     | 18.30                      |                        |             |
| 10              | 16QAM      | 1       | 49        | 18.31                                                                              | 18.35                                                                 | 18.40                                                  | 18.24                                     | 18.31                      |                        |             |
| 10              | 16QAM      | 25      | 0         | 18.29                                                                              | 18.28                                                                 | 18.38                                                  | 18.30                                     | 18.23                      | 19.5                   | 0           |
| 10              | 16QAM      | 25      | 12        | 18.29                                                                              | 18.32                                                                 | 18.31                                                  | 18.31                                     | 18.23                      |                        |             |
| 10              | 16QAM      | 25      | 25        | 18.31                                                                              | 18.32                                                                 | 18.38                                                  | 18.35                                     | 18.31                      |                        |             |
| 10              | 64QAM      | 1       | 0         | 18.39                                                                              | 18.27                                                                 | 18.36                                                  | 18.35                                     | 18.26                      | 19.5                   | 0           |
| 10              | 64QAM      | 1       | 13        | 18.38                                                                              | 18.33                                                                 | 18.42                                                  | 18.28                                     | 18.30                      |                        |             |
| 10              | 64QAM      | 1       | 49        | 18.39                                                                              | 18.32                                                                 | 18.37                                                  | 18.30                                     | 18.25                      |                        |             |
| 10              | 64QAM      | 25      | 0         | 18.30                                                                              | 18.26                                                                 | 18.41                                                  | 18.35                                     | 18.30                      | 19.5                   | 0           |
| 10              | 64QAM      | 25      | 12        | 18.38                                                                              | 18.38                                                                 | 18.41                                                  | 18.33                                     | 18.22                      |                        |             |
| 10              | 64QAM      | 25      | 39        | 18.35                                                                              | 18.39                                                                 | 18.38                                                  | 18.33                                     | 18.23                      | 19.5                   | 0           |
| 10              | 64QAM      | 50      | 0         | 18.37                                                                              | 18.32                                                                 | 18.38                                                  | 18.32                                     | 18.27                      |                        |             |
| 10              | 256QAM     | 1       | 0         | 17.80                                                                              | 17.88                                                                 | 17.85                                                  | 17.78                                     | 17.76                      | 19                     | 0.5         |
| 10              | 256QAM     | 1       | 49        | 17.85                                                                              | 17.80                                                                 | 17.85                                                  | 17.75                                     | 17.73                      |                        |             |
| 10              | 256QAM     | 25      | 0         | 17.82                                                                              | 17.88                                                                 | 17.93                                                  | 17.75                                     | 17.76                      | 19.5                   | 0           |
| 10              | 256QAM     | 25      | 12        | 17.83                                                                              | 17.89                                                                 | 17.85                                                  | 17.78                                     | 17.72                      |                        |             |
| 10              | 256QAM     | 25      | 25        | 17.83                                                                              | 17.85                                                                 | 17.82                                                  | 17.84                                     | 17.76                      |                        |             |
| 10              | 256QAM     | 50      | 0         | 17.84                                                                              | 17.79                                                                 | 17.91                                                  | 17.83                                     | 17.77                      |                        |             |
| Channel 5       |            |         |           |                                                                                    |                                                                       |                                                        |                                           |                            |                        |             |
| 20              | QPSK       | 1       | 0         | 2495                                                                               | 2545.8                                                                | 2503                                                   | 2640.30                                   | 2617.5                     | 20                     |             |
| 5               | QPSK       | 1       | 0         | 18.39                                                                              | 18.33                                                                 | 18.42                                                  | 18.31                                     | 18.29                      | 19.50                  | 0           |
| 5               | QPSK       | 1       | 18        | 18.39                                                                              | 18.38                                                                 | 18.40                                                  | 18.27                                     | 18.27                      |                        |             |
| 5               | QPSK       | 1       | 24        | 18.37                                                                              | 18.36                                                                 | 18.43                                                  | 18.34                                     | 18.26                      |                        |             |
| 5               | QPSK       | 12      | 0         | 18.34                                                                              | 18.34                                                                 | 18.43                                                  | 18.28                                     | 18.30                      |                        |             |
| 5               | QPSK       | 12      | 37        | 18.36                                                                              | 18.42                                                                 | 18.30                                                  | 18.35                                     | 18.24                      | 19.5                   | 0           |
| 5               | QPSK       | 12      | 13        | 18.37                                                                              | 18.34                                                                 | 18.35                                                  | 18.35                                     | 18.27                      |                        |             |
| 5               | QPSK       | 25      | 0         | 18.38                                                                              | 18.38                                                                 | 18.41                                                  | 18.31                                     | 18.23                      |                        |             |
| 5               | 16QAM      | 1       | 0         | 18.38                                                                              | 18.28                                                                 | 18.34                                                  | 18.35                                     | 18.25                      | 19.5                   | 0           |
| 5               | 16QAM      | 1       | 12        | 18.31                                                                              | 18.36                                                                 | 18.39                                                  | 18.29                                     | 18.26                      |                        |             |
| 5               | 16QAM      | 1       | 33        | 18.31                                                                              | 18.39                                                                 | 18.38                                                  | 18.33                                     | 18.32                      |                        |             |
| 5               | 16QAM      | 12      | 0         | 18.40                                                                              | 18.31                                                                 | 18.39                                                  | 18.29                                     | 18.28                      |                        |             |
| 5               | 16QAM      | 12      | 7         | 18.37                                                                              | 18.31                                                                 | 18.43                                                  | 18.28                                     | 18.24                      | 19.5                   | 0           |
| 5               | 16QAM      | 12      | 40        | 18.29                                                                              | 18.43                                                                 | 18.31                                                  | 18.31                                     | 18.22                      |                        |             |
| 5               | 16QAM      | 25      | 0         | 18.31                                                                              | 18.36                                                                 | 18.35                                                  | 18.34                                     | 18.31                      |                        |             |
| 5               | 64QAM      | 1       | 0         | 18.30                                                                              | 18.33                                                                 | 18.42                                                  | 18.32                                     | 18.32                      | 19.5                   | 0           |
| 5               | 64QAM      | 1       | 12        | 18.37                                                                              | 18.31                                                                 | 18.39                                                  | 18.27                                     | 18.22                      |                        |             |
| 5               | 64QAM      | 1       | 24        | 18.30                                                                              | 18.27                                                                 | 18.38                                                  | 18.33                                     | 18.27                      |                        |             |
| 5               | 64QAM      | 12      | 0         | 18.29                                                                              | 18.29                                                                 | 18.37                                                  | 18.33                                     | 18.24                      |                        |             |
| 5               | 64QAM      | 12      | 31        | 18.31                                                                              | 18.35                                                                 | 18.30                                                  | 18.32                                     | 18.20                      | 19.5                   | 0           |
| 5               | 64QAM      | 12      | 13        | 18.33                                                                              | 18.29                                                                 | 18.33                                                  | 18.38                                     | 18.20                      |                        |             |
| 5               | 256QAM     | 1       | 0         | 18.33                                                                              | 18.29                                                                 | 18.40                                                  | 18.25                                     | 18.26                      |                        |             |
| 5               | 256QAM     | 1       | 26        | 17.80                                                                              | 17.78                                                                 | 17.86                                                  | 17.76                                     | 17.77                      | 19.5                   | 0           |
| 5               | 256QAM     | 1       | 26        | 17.85                                                                              | 17.77                                                                 | 17.86                                                  | 17.75                                     | 17.79                      |                        |             |
| 5               | 256QAM     | 12      | 0         | 17.81                                                                              | 17.87                                                                 | 17.85                                                  | 17.72                                     | 17.82                      | 19                     | 0.5         |
| 5               | 256QAM     | 12      | 7         | 17.82                                                                              | 17.85                                                                 | 17.88                                                  | 17.78                                     | 17.82                      |                        |             |
| 5               | 256QAM     | 12      | 13        | 17.79                                                                              | 17.88                                                                 | 17.86                                                  | 17.84                                     | 17.82                      | 19.5                   | 0           |
| 5               | 256QAM     | 25      | 0         | 17.80                                                                              | 17.77                                                                 | 17.98                                                  | 17.76                                     | 17.81                      |                        |             |

## Band 42 Part27Q\_Ant 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<br>Frequency [MHz] |            |         |           |                             |                                |                              |                        |             |    |             |
| 20                         | QPSK       | 1       | 0         | 3600<br>42190               | 3500<br>42590                  | 3540<br>42990                | 20                     | 0           |    |             |
| 20                         | QPSK       | 1       | 49        | 18.13                       | 18.22                          | 18.25                        |                        |             |    |             |
| 20                         | QPSK       | 1       | 99        | 18.29                       | 18.22                          | 18.13                        |                        |             |    |             |
| 20                         | QPSK       | 50      | 0         | 18.15                       | 18.33                          | 18.26                        |                        |             |    |             |
| 20                         | QPSK       | 50      | 24        | 18.03                       | 18.32                          | 18.04                        | 20                     | 0           |    |             |
| 20                         | QPSK       | 50      | 50        | 18.10                       | 18.12                          | 18.16                        |                        |             |    |             |
| 20                         | QPSK       | 100     | 0         | 18.10                       | 18.32                          | 18.16                        |                        |             |    |             |
| 20                         | 16QAM      | 1       | 0         | 18.15                       | 18.29                          | 18.21                        |                        |             |    |             |
| 20                         | 16QAM      | 1       | 49        | 18.20                       | 18.27                          | 18.14                        | 20                     | 0           |    |             |
| 20                         | 16QAM      | 1       | 99        | 18.13                       | 18.35                          | 18.21                        |                        |             |    |             |
| 20                         | 16QAM      | 50      | 0         | 18.30                       | 18.23                          | 18.14                        |                        |             |    |             |
| 20                         | 16QAM      | 50      | 24        | 18.13                       | 18.24                          | 18.22                        |                        |             |    |             |
| 20                         | 16QAM      | 50      | 50        | 18.03                       | 18.37                          | 18.12                        | 20                     | 0           |    |             |
| 20                         | 16QAM      | 100     | 0         | 18.08                       | 18.29                          | 18.26                        |                        |             |    |             |
| 20                         | 64QAM      | 1       | 0         | 18.29                       | 18.33                          | 18.25                        |                        |             |    |             |
| 20                         | 64QAM      | 1       | 49        | 18.27                       | 18.28                          | 18.12                        |                        |             |    |             |
| 20                         | 64QAM      | 1       | 99        | 18.09                       | 18.32                          | 18.09                        | 20                     | 0           |    |             |
| 20                         | 64QAM      | 50      | 0         | 18.22                       | 18.29                          | 18.23                        |                        |             |    |             |
| 20                         | 64QAM      | 50      | 24        | 18.29                       | 18.24                          | 18.30                        |                        |             |    |             |
| 20                         | 64QAM      | 50      | 50        | 18.12                       | 18.37                          | 18.18                        |                        |             |    |             |
| 20                         | 64QAM      | 100     | 0         | 18.02                       | 18.29                          | 18.18                        | 20                     | 0           |    |             |
| 20                         | 256QAM     | 1       | 0         | 18.21                       | 17.82                          | 17.70                        |                        |             |    |             |
| 20                         | 256QAM     | 1       | 49        | 18.06                       | 17.85                          | 17.87                        |                        |             |    |             |
| 20                         | 256QAM     | 99      | 1         | 18.31                       | 18.30                          | 17.75                        |                        |             |    |             |
| 20                         | 256QAM     | 50      | 0         | 18.09                       | 18.05                          | 17.71                        | 19                     | 1           |    |             |
| 20                         | 256QAM     | 50      | 24        | 18.12                       | 17.88                          | 17.80                        |                        |             |    |             |
| 20                         | 256QAM     | 50      | 50        | 18.33                       | 18.06                          | 17.88                        |                        |             |    |             |
| 20                         | 256QAM     | 100     | 0         | 18.39                       | 18.21                          | 18.13                        |                        |             |    |             |
| Channel<br>Frequency [MHz] |            |         |           |                             |                                |                              |                        |             |    |             |
| 15                         | QPSK       | 1       | 0         | 3457.5<br>42166             | 3500<br>42590                  | 3542.5<br>43014              | 20                     | MPR<br>(dB) |    |             |
| 15                         | QPSK       | 1       | 37        | 18.03                       | 18.29                          | 18.11                        |                        |             |    |             |
| 15                         | QPSK       | 1       | 74        | 18.31                       | 18.20                          | 18.27                        |                        |             |    |             |
| 15                         | QPSK       | 36      | 0         | 18.26                       | 18.31                          | 18.17                        |                        |             |    |             |
| 15                         | QPSK       | 36      | 20        | 18.12                       | 18.29                          | 18.03                        | 20                     | 0           |    |             |
| 15                         | QPSK       | 36      | 39        | 18.17                       | 18.26                          | 18.18                        |                        |             |    |             |
| 15                         | QPSK       | 75      | 0         | 18.22                       | 18.30                          | 18.13                        |                        |             |    |             |
| 15                         | 16QAM      | 1       | 0         | 18.25                       | 18.40                          | 18.10                        |                        |             |    |             |
| 15                         | 16QAM      | 1       | 37        | 18.21                       | 18.29                          | 18.12                        | 20                     | 0           |    |             |
| 15                         | 16QAM      | 1       | 74        | 18.04                       | 18.36                          | 18.19                        |                        |             |    |             |
| 15                         | 16QAM      | 36      | 0         | 18.31                       | 18.31                          | 18.24                        |                        |             |    |             |
| 15                         | 16QAM      | 36      | 20        | 18.28                       | 18.32                          | 18.14                        |                        |             |    |             |
| 15                         | 16QAM      | 36      | 39        | 18.13                       | 18.32                          | 18.13                        | 20                     | 0           |    |             |
| 15                         | 16QAM      | 75      | 0         | 18.26                       | 18.35                          | 18.20                        |                        |             |    |             |
| 15                         | 64QAM      | 1       | 0         | 18.24                       | 18.29                          | 18.33                        |                        |             |    |             |
| 15                         | 64QAM      | 1       | 37        | 18.18                       | 18.18                          | 18.19                        |                        |             |    |             |
| 15                         | 64QAM      | 1       | 74        | 18.13                       | 18.26                          | 18.12                        | 20                     | 0           |    |             |
| 15                         | 64QAM      | 36      | 0         | 18.13                       | 18.31                          | 18.20                        |                        |             |    |             |
| 15                         | 64QAM      | 36      | 20        | 18.29                       | 18.24                          | 18.28                        |                        |             |    |             |
| 15                         | 64QAM      | 36      | 39        | 18.09                       | 18.24                          | 18.12                        |                        |             |    |             |
| 15                         | 64QAM      | 75      | 0         | 18.01                       | 18.19                          | 18.17                        | 20                     | 0           |    |             |
| 15                         | 256QAM     | 1       | 0         | 18.05                       | 17.89                          | 17.57                        |                        |             |    |             |
| 15                         | 256QAM     | 1       | 37        | 17.87                       | 17.72                          | 17.77                        |                        |             |    |             |
| 15                         | 256QAM     | 1       | 74        | 18.20                       | 18.06                          | 17.71                        |                        |             |    |             |
| 15                         | 256QAM     | 36      | 0         | 17.84                       | 17.88                          | 17.44                        | 19                     | 1           |    |             |
| 15                         | 256QAM     | 36      | 20        | 17.68                       | 17.65                          | 17.84                        |                        |             |    |             |
| 15                         | 256QAM     | 36      | 39        | 18.14                       | 17.88                          | 17.69                        |                        |             |    |             |
| 15                         | 256QAM     | 75      | 0         | 18.18                       | 18.08                          | 17.88                        |                        |             |    |             |
| Channel<br>Frequency [MHz] |            |         |           |                             |                                |                              |                        |             |    |             |
| 10                         | QPSK       | 1       | 0         | 3416<br>42140               | 3500<br>42590                  | 3545<br>43040                | 20                     | MPR<br>(dB) |    |             |
| 10                         | QPSK       | 1       | 25        | 18.16                       | 18.29                          | 18.15                        |                        |             |    |             |
| 10                         | QPSK       | 1       | 49        | 18.14                       | 18.36                          | 18.16                        |                        |             |    |             |
| 10                         | QPSK       | 25      | 0         | 18.37                       | 18.18                          | 18.18                        |                        |             |    |             |
| 10                         | QPSK       | 25      | 0         | 18.24                       | 18.39                          | 18.13                        | 20                     | 0           |    |             |
| 10                         | QPSK       | 25      | 12        | 18.04                       | 18.37                          | 18.05                        |                        |             |    |             |
| 10                         | QPSK       | 25      | 25        | 18.21                       | 18.21                          | 18.13                        |                        |             |    |             |
| 10                         | QPSK       | 50      | 0         | 18.31                       | 18.27                          | 18.24                        |                        |             |    |             |
| 10                         | 16QAM      | 1       | 0         | 18.28                       | 18.33                          | 18.14                        | 20                     | 0           |    |             |
| 10                         | 16QAM      | 1       | 25        | 18.16                       | 18.26                          | 18.08                        |                        |             |    |             |
| 10                         | 16QAM      | 1       | 49        | 18.10                       | 18.31                          | 18.13                        |                        |             |    |             |
| 10                         | 16QAM      | 25      | 0         | 18.39                       | 18.36                          | 18.32                        |                        |             |    |             |
| 10                         | 16QAM      | 25      | 12        | 18.20                       | 18.35                          | 18.14                        | 20                     | 0           |    |             |
| 10                         | 16QAM      | 25      | 25        | 18.02                       | 18.34                          | 18.03                        |                        |             |    |             |
| 10                         | 16QAM      | 50      | 0         | 18.18                       | 18.35                          | 18.15                        |                        |             |    |             |
| 10                         | 64QAM      | 1       | 0         | 18.22                       | 18.35                          | 18.23                        |                        |             |    |             |
| 10                         | 64QAM      | 1       | 25        | 18.15                       | 18.19                          | 18.23                        | 20                     | 0           |    |             |
| 10                         | 64QAM      | 1       | 49        | 18.15                       | 18.32                          | 18.05                        |                        |             |    |             |
| 10                         | 64QAM      | 25      | 0         | 18.19                       | 18.19                          | 18.30                        |                        |             |    |             |
| 10                         | 64QAM      | 25      | 12        | 18.30                       | 18.29                          | 18.51                        |                        |             |    |             |
| 10                         | 64QAM      | 25      | 25        | 18.07                       | 18.23                          | 18.07                        | 20                     | 0           |    |             |
| 10                         | 64QAM      | 50      | 0         | 18.11                       | 18.21                          | 18.10                        |                        |             |    |             |
| 10                         | 256QAM     | 1       | 0         | 17.96                       | 17.79                          | 17.57                        |                        |             |    |             |
| 10                         | 256QAM     | 1       | 25        | 17.81                       | 17.80                          | 17.71                        |                        |             |    |             |
| 10                         | 256QAM     | 1       | 49        | 18.18                       | 18.15                          | 17.72                        | 19                     | 1           |    |             |
| 10                         | 256QAM     | 25      | 0         | 17.84                       | 17.86                          | 17.51                        |                        |             |    |             |
| 10                         | 256QAM     | 25      | 12        | 18.01                       | 17.78                          | 17.54                        |                        |             |    |             |
| 10                         | 256QAM     | 25      | 25        | 18.14                       | 18.03                          | 17.80                        |                        |             |    |             |
| 10                         | 256QAM     | 50      | 0         | 18.16                       | 18.16                          | 17.88                        | 20                     | 0           |    |             |
| Channel<br>Frequency [MHz] |            |         |           |                             |                                |                              |                        |             |    |             |
| 5                          | QPSK       | 1       | 0         | 3462.5<br>42115             | 3500<br>42590                  | 3547.5<br>43063              |                        |             | 20 | MPR<br>(dB) |
| 5                          | QPSK       | 1       | 0         | 18.09                       | 18.34                          | 18.17                        |                        |             |    |             |
| 5                          | QPSK       | 1       | 12        | 18.06                       | 18.28                          | 18.22                        |                        |             |    |             |
| 5                          | QPSK       | 1       | 24        | 18.33                       | 18.16                          | 18.26                        |                        |             |    |             |
| 5                          | QPSK       | 12      | 0         | 18.23                       | 18.40                          | 18.14                        | 20                     | 0           |    |             |
| 5                          | QPSK       | 12      | 7         | 18.00                       | 18.32                          | 18.10                        |                        |             |    |             |
| 5                          | QPSK       | 12      | 13        | 18.19                       | 18.20                          | 18.15                        |                        |             |    |             |
| 5                          | QPSK       | 25      | 0         | 18.31                       | 18.27                          | 18.20                        |                        |             |    |             |
| 5                          | 16QAM      | 1       | 0         | 18.28                       | 18.40                          | 18.10                        | 20                     | 0           |    |             |
| 5                          | 16QAM      | 1       | 12        | 18.16                       | 18.34                          | 18.08                        |                        |             |    |             |
| 5                          | 16QAM      | 1       | 24        | 18.05                       | 18.36                          | 18.19                        |                        |             |    |             |
| 5                          | 16QAM      | 12      | 0         | 18.34                       | 18.29                          | 18.28                        |                        |             |    |             |
| 5                          | 16QAM      | 12      | 7         | 18.19                       | 18.34                          | 18.11                        | 20                     | 0           |    |             |
| 5                          | 16QAM      | 12      | 13        | 18.05                       | 18.21                          | 18.08                        |                        |             |    |             |
| 5                          | 16QAM      | 25      | 0         | 18.18                       | 18.28                          | 18.13                        |                        |             |    |             |
| 5                          | 64QAM      | 1       | 0         | 18.27                       | 18.24                          | 18.28                        |                        |             |    |             |
| 5                          | 64QAM      | 1       | 12        | 18.23                       | 18.18                          | 18.14                        | 20                     | 0           |    |             |
| 5                          | 64QAM      | 1       | 24        | 18.13                       | 18.22                          | 18.09                        |                        |             |    |             |
| 5                          | 64QAM      | 12      | 0         | 18.18                       | 18.27                          | 18.18                        |                        |             |    |             |
| 5                          | 64QAM      | 12      | 7         | 18.24                       | 18.21                          | 18.33                        |                        |             |    |             |
| 5                          | 64QAM      | 12      | 13        | 18.13                       | 18.29                          | 18.09                        | 20                     | 0           |    |             |
| 5                          | 64QAM      | 25      | 0         | 18.01                       | 18.24                          | 18.22                        |                        |             |    |             |
| 5                          | 256QAM     | 1       | 0         | 17.97                       | 17.86                          | 17.68                        |                        |             |    |             |
| 5                          | 256QAM     | 1       | 12        | 17.93                       | 17.84                          | 17.78                        |                        |             |    |             |
| 5                          | 256QAM     | 1       | 24        | 18.14                       | 18.13                          | 17.70                        | 19                     | 1           |    |             |
| 5                          | 256QAM     | 12      | 0         | 17.80                       | 17.82                          | 17.43                        |                        |             |    |             |
| 5                          | 256QAM     | 12      | 7         | 18.03                       | 17.85                          | 17.54                        |                        |             |    |             |
| 5                          | 256QAM     | 12      | 13        | 18.09                       | 18.09                          | 17.71                        |                        |             |    |             |
| 5                          | 256QAM     | 25      | 0         | 18.12                       | 18.17                          | 17.86                        | 19                     | 1           |    |             |
| 5                          | 256QAM     | 25      | 0         | 18.12                       | 18.17                          | 17.86                        |                        |             |    |             |

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| BW [MHz]                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| Channel<br>Frequency [MHz] |            |         |           |                             |                                |                              |                        |             |
| 20                         | QPSK       | 1       | 0         | 4360                        | 4340                           | 4360                         | 20                     | 0           |
| 20                         | QPSK       | 1       | 49        | 18.33                       | 18.33                          | 18.33                        |                        |             |
| 20                         | QPSK       | 1       | 99        | 18.32                       | 18.32                          | 18.25                        |                        |             |
| 20                         | QPSK       | 50      | 0         | 18.27                       | 18.37                          | 18.29                        |                        |             |
| 20                         | QPSK       | 50      | 24        | 18.16                       | 18.36                          | 18.13                        | 20                     | 0           |
| 20                         | QPSK       | 50      | 50        | 18.22                       | 18.26                          | 18.23                        |                        |             |
| 20                         | QPSK       | 100     | 0         | 18.38                       | 18.38                          | 18.29                        |                        |             |
| 20                         | 16QAM      | 1       | 0         | 18.29                       | 18.35                          | 18.33                        |                        |             |
| 20                         | 16QAM      | 1       | 49        | 18.22                       | 18.33                          | 18.16                        | 20                     | 0           |
| 20                         | 16QAM      | 1       | 99        | 18.19                       | 18.59                          | 18.23                        |                        |             |
| 20                         | 16QAM      | 50      | 0         | 18.40                       | 18.27                          | 18.25                        |                        |             |
| 20                         | 16QAM      | 50      | 24        | 18.22                       | 18.34                          | 18.27                        |                        |             |
| 20                         | 16QAM      | 50      | 50        | 18.11                       | 18.43                          | 18.16                        | 20                     | 0           |
| 20                         | 16QAM      | 100     | 0         | 18.23                       | 18.43                          | 18.30                        |                        |             |
| 20                         | 64QAM      | 1       | 0         | 18.41                       | 18.36                          | 18.28                        |                        |             |
| 20                         | 64QAM      | 1       | 49        | 18.31                       | 18.43                          | 18.23                        |                        |             |
| 20                         | 64QAM      | 1       | 99        | 18.18                       | 18.38                          | 18.19                        | 20                     | 0           |
| 20                         | 64QAM      | 50      | 0         | 18.28                       | 18.39                          | 18.28                        |                        |             |
| 20                         | 64QAM      | 50      | 24        | 18.40                       | 18.39                          | 18.37                        |                        |             |
| 20                         | 64QAM      | 50      | 50        | 18.27                       | 18.42                          | 18.24                        |                        |             |
| 20                         | 64QAM      | 100     | 0         | 18.11                       | 18.43                          | 18.21                        | 20                     | 0           |
| 20                         | 256QAM     | 1       | 0         | 18.31                       | 17.94                          | 17.83                        |                        |             |
| 20                         | 256QAM     | 1       | 49        | 18.13                       | 17.97                          | 18.02                        |                        |             |
| 20                         | 256QAM     | 1       | 99        | 18.36                       | 17.97                          | 17.89                        |                        |             |
| 20                         | 256QAM     | 50      | 0         | 18.19                       | 18.12                          | 17.80                        | 19                     | 1           |
| 20                         | 256QAM     | 50      | 24        | 18.12                       | 17.99                          | 18.07                        |                        |             |
| 20                         | 256QAM     | 50      | 50        | 18.46                       | 18.19                          | 18.07                        |                        |             |
| 20                         | 256QAM     | 100     | 0         | 18.44                       | 18.35                          | 18.18                        |                        |             |
| Channel<br>Frequency [MHz] |            |         |           |                             |                                |                              |                        |             |
| 15                         | QPSK       | 1       | 0         | 4360                        | 4340                           | 4360                         | 20                     | 0           |
| 15                         | QPSK       | 1       | 49        | 3575.5                      | 3575                           | 3592.5                       |                        |             |
| 15                         | QPSK       | 1       | 74        | 18.18                       | 18.42                          | 18.19                        |                        |             |
| 15                         | QPSK       | 36      | 0         | 18.30                       | 18.43                          | 18.25                        |                        |             |
| 15                         | QPSK       | 36      | 20        | 18.15                       | 18.34                          | 18.13                        | 20                     | 0           |
| 15                         | QPSK       | 36      | 39        | 18.29                       | 18.34                          | 18.21                        |                        |             |
| 15                         | QPSK       | 75      | 0         | 18.35                       | 18.32                          | 18.26                        |                        |             |
| 15                         | 16QAM      | 1       | 0         | 18.33                       | 18.43                          | 18.22                        |                        |             |
| 15                         | 16QAM      | 1       | 37        | 18.23                       | 18.39                          | 18.14                        | 20                     | 0           |
| 15                         | 16QAM      | 1       | 74        | 18.19                       | 18.40                          | 18.25                        |                        |             |
| 15                         | 16QAM      | 36      | 0         | 18.41                       | 18.39                          | 18.35                        |                        |             |
| 15                         | 16QAM      | 36      | 20        | 18.30                       | 18.42                          | 18.23                        |                        |             |
| 15                         | 16QAM      | 36      | 39        | 18.10                       | 18.36                          | 18.18                        | 20                     | 0           |
| 15                         | 16QAM      | 75      | 0         | 18.29                       | 18.40                          | 18.28                        |                        |             |
| 15                         | 64QAM      | 1       | 0         | 18.34                       | 18.39                          | 18.36                        |                        |             |
| 15                         | 64QAM      | 1       | 37        | 18.24                       | 18.33                          | 18.25                        |                        |             |
| 15                         | 64QAM      | 1       | 74        | 18.18                       | 18.37                          | 18.15                        | 20                     | 0           |
| 15                         | 64QAM      | 36      | 0         | 18.24                       | 18.33                          | 18.33                        |                        |             |
| 15                         | 64QAM      | 36      | 20        | 18.39                       | 18.39                          | 18.39                        |                        |             |
| 15                         | 64QAM      | 36      | 39        | 18.24                       | 18.34                          | 18.24                        |                        |             |
| 15                         | 64QAM      | 75      | 0         | 18.10                       | 18.34                          | 18.24                        | 20                     | 0           |
| 15                         | 256QAM     | 1       | 0         | 17.93                       | 17.83                          | 17.70                        |                        |             |
| 15                         | 256QAM     | 1       | 37        | 17.98                       | 17.86                          | 17.82                        |                        |             |
| 15                         | 256QAM     | 1       | 74        | 18.25                       | 18.21                          | 17.77                        |                        |             |
| 15                         | 256QAM     | 36      | 0         | 17.98                       | 17.82                          | 17.68                        | 19                     | 1           |
| 15                         | 256QAM     | 36      | 20        | 18.09                       | 17.79                          | 17.67                        |                        |             |
| 15                         | 256QAM     | 36      | 39        | 18.26                       | 18.08                          | 17.84                        |                        |             |
| 15                         | 256QAM     | 75      | 0         | 18.24                       | 18.20                          | 18.04                        |                        |             |
| Channel<br>Frequency [MHz] |            |         |           |                             |                                |                              |                        |             |
| 10                         | QPSK       | 1       | 0         | 43140                       | 43340                          | 43540                        | 20                     | 0           |
| 10                         | QPSK       | 1       | 25        | 18.17                       | 18.34                          | 18.15                        |                        |             |
| 10                         | QPSK       | 1       | 49        | 18.37                       | 18.38                          | 18.24                        |                        |             |
| 10                         | QPSK       | 25      | 0         | 18.26                       | 18.36                          | 18.27                        |                        |             |
| 10                         | QPSK       | 25      | 12        | 18.23                       | 18.40                          | 18.21                        | 20                     | 0           |
| 10                         | QPSK       | 25      | 25        | 18.31                       | 18.37                          | 18.28                        |                        |             |
| 10                         | QPSK       | 50      | 0         | 18.40                       | 18.33                          | 18.32                        |                        |             |
| 10                         | 16QAM      | 1       | 0         | 18.25                       | 18.43                          | 18.29                        |                        |             |
| 10                         | 16QAM      | 1       | 25        | 18.18                       | 18.38                          | 18.28                        | 20                     | 0           |
| 10                         | 16QAM      | 1       | 49        | 18.29                       | 18.33                          | 18.26                        |                        |             |
| 10                         | 16QAM      | 25      | 0         | 18.29                       | 18.34                          | 18.29                        |                        |             |
| 10                         | 16QAM      | 25      | 12        | 18.22                       | 18.41                          | 18.20                        |                        |             |
| 10                         | 16QAM      | 25      | 25        | 18.16                       | 18.39                          | 18.18                        | 20                     | 0           |
| 10                         | 16QAM      | 50      | 0         | 18.25                       | 18.43                          | 18.31                        |                        |             |
| 10                         | 64QAM      | 1       | 0         | 18.38                       | 18.38                          | 18.27                        |                        |             |
| 10                         | 64QAM      | 1       | 25        | 18.25                       | 18.37                          | 18.20                        |                        |             |
| 10                         | 64QAM      | 1       | 49        | 18.22                       | 18.32                          | 18.15                        | 20                     | 0           |
| 10                         | 64QAM      | 25      | 0         | 18.20                       | 18.41                          | 18.23                        |                        |             |
| 10                         | 64QAM      | 25      | 12        | 18.36                       | 18.39                          | 18.32                        |                        |             |
| 10                         | 64QAM      | 25      | 25        | 18.36                       | 18.41                          | 18.28                        |                        |             |
| 10                         | 256QAM     | 1       | 0         | 18.10                       | 17.77                          | 17.66                        | 19                     | 1           |
| 10                         | 256QAM     | 1       | 25        | 17.92                       | 17.85                          | 17.60                        |                        |             |
| 10                         | 256QAM     | 1       | 49        | 18.16                       | 17.81                          | 17.72                        |                        |             |
| 10                         | 256QAM     | 25      | 0         | 18.02                       | 17.88                          | 17.65                        |                        |             |
| 10                         | 256QAM     | 25      | 12        | 18.06                       | 17.82                          | 17.72                        | 19                     | 1           |
| 10                         | 256QAM     | 25      | 25        | 18.35                       | 17.97                          | 17.88                        |                        |             |
| 10                         | 256QAM     | 50      | 0         | 18.26                       | 18.14                          | 18.01                        |                        |             |
| Channel<br>Frequency [MHz] |            |         |           |                             |                                |                              |                        |             |
| 5                          | QPSK       | 1       | 0         | 43115                       | 43315                          | 43515                        | 20                     | 0           |
| 5                          | QPSK       | 1       | 12        | 18.20                       | 18.40                          | 18.20                        |                        |             |
| 5                          | QPSK       | 1       | 24        | 18.35                       | 18.36                          | 18.28                        |                        |             |
| 5                          | QPSK       | 12      | 0         | 18.29                       | 18.35                          | 18.32                        |                        |             |
| 5                          | QPSK       | 12      | 6         | 18.21                       | 18.42                          | 18.17                        | 20                     | 0           |
| 5                          | QPSK       | 12      | 13        | 18.31                       | 18.37                          | 18.22                        |                        |             |
| 5                          | QPSK       | 26      | 0         | 18.28                       | 18.34                          | 18.32                        |                        |             |
| 5                          | 16QAM      | 1       | 0         | 18.21                       | 18.31                          | 18.27                        |                        |             |
| 5                          | 16QAM      | 1       | 12        | 18.21                       | 18.36                          | 18.18                        | 20                     | 0           |
| 5                          | 16QAM      | 1       | 24        | 18.27                       | 18.34                          | 18.32                        |                        |             |
| 5                          | 16QAM      | 12      | 0         | 18.34                       | 18.39                          | 18.37                        |                        |             |
| 5                          | 16QAM      | 12      | 7         | 18.23                       | 18.30                          | 18.20                        |                        |             |
| 5                          | 16QAM      | 12      | 14        | 18.14                       | 18.33                          | 18.23                        | 20                     | 0           |
| 5                          | 16QAM      | 25      | 0         | 18.28                       | 18.35                          | 18.28                        |                        |             |
| 5                          | 64QAM      | 1       | 0         | 18.36                       | 18.34                          | 18.37                        |                        |             |
| 5                          | 64QAM      | 1       | 12        | 18.22                       | 18.32                          | 18.22                        |                        |             |
| 5                          | 64QAM      | 1       | 24        | 18.13                       | 18.38                          | 18.17                        | 20                     | 0           |
| 5                          | 64QAM      | 12      | 0         | 18.20                       | 18.44                          | 18.21                        |                        |             |
| 5                          | 64QAM      | 12      | 6         | 18.34                       | 18.37                          | 18.31                        |                        |             |
| 5                          | 64QAM      | 12      | 13        | 18.20                       | 18.30                          | 18.28                        |                        |             |
| 5                          | 256QAM     | 1       | 0         | 18.23                       | 18.40                          | 18.21                        | 20                     | 0           |
| 5                          | 256QAM     | 1       | 12        | 18.11                       | 17.70                          | 17.67                        |                        |             |
| 5                          | 256QAM     | 1       | 12        | 17.97                       | 17.78                          | 17.69                        |                        |             |
| 5                          | 256QAM     | 12      | 0         | 18.24                       | 18.14                          | 17.65                        |                        |             |
| 5                          | 256QAM     | 12      | 7         | 18.01                       | 17.79                          | 17.66                        | 19                     | 1           |
| 5                          | 256QAM     | 12      | 13        | 18.25                       | 17.81                          | 17.64                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.23                       | 18.14                          | 18.04                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.23                       | 18.14                          | 18.04                        |                        |             |

## Band 48\_Ant 2

| BW [MHz]                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Low Middle<br>Ch. / Freq. | Power<br>High Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|-----------------------------|------------------------------------|-------------------------------------|------------------------------|------------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           | 55340                       | 55830                              | 56150                               | 56640                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 3600                        | 3600                               | 3411                                | 3411                         |                        |             |
| 20                         | QPSK       | 1       | 0         | 18.63                       | 18.58                              | 18.38                               | 18.46                        | 20                     | 0           |
| 20                         | QPSK       | 1       | 49        | 18.53                       | 18.50                              | 18.30                               | 18.45                        |                        |             |
| 20                         | QPSK       | 1       | 99        | 18.44                       | 18.43                              | 18.35                               | 18.41                        |                        |             |
| 20                         | QPSK       | 50      | 0         | 18.54                       | 18.53                              | 18.50                               | 18.42                        |                        |             |
| 20                         | QPSK       | 50      | 24        | 18.49                       | 18.37                              | 18.43                               | 18.41                        | 20                     | 0           |
| 20                         | QPSK       | 50      | 50        | 18.51                       | 18.44                              | 18.31                               | 18.38                        |                        |             |
| 20                         | QPSK       | 100     | 0         | 18.53                       | 18.52                              | 18.29                               | 18.39                        |                        |             |
| 20                         | 16QAM      | 1       | 0         | 18.53                       | 18.53                              | 18.49                               | 18.55                        |                        |             |
| 20                         | 16QAM      | 1       | 49        | 18.58                       | 18.36                              | 18.54                               | 18.50                        | 20                     | 0           |
| 20                         | 16QAM      | 1       | 99        | 18.51                       | 18.46                              | 18.38                               | 18.31                        |                        |             |
| 20                         | 16QAM      | 50      | 0         | 18.55                       | 18.49                              | 18.38                               | 18.37                        |                        |             |
| 20                         | 16QAM      | 50      | 24        | 18.45                       | 18.42                              | 18.48                               | 18.43                        |                        |             |
| 20                         | 16QAM      | 50      | 50        | 18.46                       | 18.51                              | 18.39                               | 18.35                        | 20                     | 0           |
| 20                         | 16QAM      | 100     | 0         | 18.52                       | 18.45                              | 18.40                               | 18.43                        |                        |             |
| 20                         | 16QAM      | 1       | 99        | 18.47                       | 18.45                              | 18.37                               | 18.41                        |                        |             |
| 20                         | 64QAM      | 1       | 49        | 18.52                       | 18.43                              | 18.35                               | 18.38                        | 20                     | 0           |
| 20                         | 64QAM      | 1       | 99        | 18.47                       | 18.24                              | 18.28                               | 18.27                        |                        |             |
| 20                         | 64QAM      | 50      | 0         | 18.58                       | 18.42                              | 18.48                               | 18.38                        |                        |             |
| 20                         | 64QAM      | 50      | 24        | 18.52                       | 18.47                              | 18.49                               | 18.34                        |                        |             |
| 20                         | 64QAM      | 50      | 50        | 18.48                       | 18.37                              | 18.40                               | 18.37                        | 20                     | 0           |
| 20                         | 64QAM      | 100     | 0         | 18.49                       | 18.37                              | 18.33                               | 18.41                        |                        |             |
| 20                         | 256QAM     | 1       | 0         | 18.00                       | 17.87                              | 17.93                               | 17.96                        |                        |             |
| 20                         | 256QAM     | 1       | 49        | 17.89                       | 17.84                              | 17.80                               | 17.74                        | 19                     | 1           |
| 20                         | 256QAM     | 1       | 99        | 18.03                       | 17.89                              | 17.98                               | 17.81                        |                        |             |
| 20                         | 256QAM     | 50      | 0         | 17.89                       | 17.79                              | 17.84                               | 17.79                        |                        |             |
| 20                         | 256QAM     | 50      | 24        | 17.91                       | 17.81                              | 17.82                               | 17.81                        |                        |             |
| 20                         | 256QAM     | 50      | 50        | 17.99                       | 17.93                              | 17.87                               | 17.88                        | 19                     | 1           |
| 20                         | 256QAM     | 100     | 0         | 17.98                       | 17.86                              | 17.84                               | 17.86                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 55515                       | 56020                              | 56160                               | 56650                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 3607.5                      | 3608                               | 3642                                | 3692.5                       |                        |             |
| 15                         | QPSK       | 1       | 0         | 18.53                       | 18.44                              | 18.39                               | 18.32                        | 20                     | 0           |
| 15                         | QPSK       | 1       | 37        | 18.48                       | 18.52                              | 18.51                               | 18.44                        |                        |             |
| 15                         | QPSK       | 1       | 74        | 18.34                       | 18.34                              | 18.29                               | 18.39                        |                        |             |
| 15                         | QPSK       | 36      | 0         | 18.52                       | 18.47                              | 18.40                               | 18.35                        |                        |             |
| 15                         | QPSK       | 36      | 20        | 18.53                       | 18.49                              | 18.42                               | 18.40                        | 20                     | 0           |
| 15                         | QPSK       | 36      | 39        | 18.41                       | 18.38                              | 18.34                               | 18.43                        |                        |             |
| 15                         | QPSK       | 75      | 0         | 18.56                       | 18.45                              | 18.19                               | 18.45                        |                        |             |
| 15                         | 16QAM      | 1       | 0         | 18.54                       | 18.50                              | 18.45                               | 18.43                        |                        |             |
| 15                         | 16QAM      | 1       | 37        | 18.57                       | 18.48                              | 18.60                               | 18.42                        | 20                     | 0           |
| 15                         | 16QAM      | 1       | 74        | 18.50                       | 18.41                              | 18.31                               | 18.38                        |                        |             |
| 15                         | 16QAM      | 36      | 0         | 18.49                       | 18.41                              | 18.39                               | 18.47                        |                        |             |
| 15                         | 16QAM      | 36      | 20        | 18.57                       | 18.37                              | 18.44                               | 18.41                        |                        |             |
| 15                         | 16QAM      | 36      | 39        | 18.50                       | 18.44                              | 18.46                               | 18.38                        | 20                     | 0           |
| 15                         | 16QAM      | 75      | 0         | 18.46                       | 18.49                              | 18.49                               | 18.41                        |                        |             |
| 15                         | 64QAM      | 1       | 0         | 18.57                       | 18.36                              | 18.47                               | 18.38                        |                        |             |
| 15                         | 64QAM      | 1       | 37        | 18.47                       | 18.40                              | 18.41                               | 18.39                        |                        |             |
| 15                         | 64QAM      | 1       | 74        | 18.36                       | 18.27                              | 18.28                               | 18.31                        | 20                     | 0           |
| 15                         | 64QAM      | 36      | 0         | 18.47                       | 18.41                              | 18.42                               | 18.45                        |                        |             |
| 15                         | 64QAM      | 36      | 20        | 18.48                       | 18.50                              | 18.49                               | 18.37                        |                        |             |
| 15                         | 64QAM      | 36      | 39        | 18.46                       | 18.36                              | 18.40                               | 18.43                        |                        |             |
| 15                         | 64QAM      | 75      | 0         | 18.44                       | 18.46                              | 18.40                               | 18.37                        | 20                     | 0           |
| 15                         | 256QAM     | 1       | 0         | 17.80                       | 17.72                              | 17.70                               | 17.75                        |                        |             |
| 15                         | 256QAM     | 1       | 37        | 17.72                       | 17.72                              | 17.60                               | 17.51                        |                        |             |
| 15                         | 256QAM     | 1       | 74        | 17.87                       | 17.74                              | 17.87                               | 17.79                        | 19                     | 1           |
| 15                         | 256QAM     | 36      | 0         | 17.78                       | 17.59                              | 17.60                               | 17.57                        |                        |             |
| 15                         | 256QAM     | 36      | 20        | 17.69                       | 17.61                              | 17.68                               | 17.63                        |                        |             |
| 15                         | 256QAM     | 36      | 39        | 17.77                       | 17.71                              | 17.73                               | 17.73                        | 19                     | 1           |
| 15                         | 256QAM     | 75      | 0         | 17.78                       | 17.74                              | 17.67                               | 17.75                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 55500                       | 55815                              | 56165                               | 56650                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 3605                        | 3607.5                             | 3642.5                              | 3695                         |                        |             |
| 10                         | QPSK       | 1       | 0         | 18.53                       | 18.49                              | 18.37                               | 18.39                        | 20                     | 0           |
| 10                         | QPSK       | 1       | 25        | 18.47                       | 18.41                              | 18.42                               | 18.51                        |                        |             |
| 10                         | QPSK       | 1       | 49        | 18.32                       | 18.40                              | 18.39                               | 18.40                        |                        |             |
| 10                         | QPSK       | 25      | 0         | 18.55                       | 18.60                              | 18.39                               | 18.34                        |                        |             |
| 10                         | QPSK       | 25      | 12        | 18.51                       | 18.36                              | 18.43                               | 18.40                        | 20                     | 0           |
| 10                         | QPSK       | 25      | 25        | 18.43                       | 18.46                              | 18.38                               | 18.39                        |                        |             |
| 10                         | QPSK       | 50      | 0         | 18.47                       | 18.45                              | 18.24                               | 18.48                        |                        |             |
| 10                         | 16QAM      | 1       | 0         | 18.49                       | 18.52                              | 18.51                               | 18.45                        |                        |             |
| 10                         | 16QAM      | 1       | 25        | 18.52                       | 18.39                              | 18.52                               | 18.45                        | 20                     | 0           |
| 10                         | 16QAM      | 1       | 49        | 18.44                       | 18.35                              | 18.38                               | 18.38                        |                        |             |
| 10                         | 16QAM      | 25      | 0         | 18.48                       | 18.43                              | 18.40                               | 18.40                        |                        |             |
| 10                         | 16QAM      | 25      | 12        | 18.54                       | 18.40                              | 18.46                               | 18.45                        |                        |             |
| 10                         | 16QAM      | 25      | 25        | 18.53                       | 18.50                              | 18.49                               | 18.32                        | 20                     | 0           |
| 10                         | 16QAM      | 50      | 0         | 18.49                       | 18.50                              | 18.41                               | 18.38                        |                        |             |
| 10                         | 64QAM      | 1       | 0         | 18.55                       | 18.44                              | 18.38                               | 18.44                        |                        |             |
| 10                         | 64QAM      | 1       | 25        | 18.54                       | 18.43                              | 18.39                               | 18.34                        |                        |             |
| 10                         | 64QAM      | 1       | 49        | 18.47                       | 18.32                              | 18.31                               | 18.24                        | 20                     | 0           |
| 10                         | 64QAM      | 25      | 0         | 18.47                       | 18.50                              | 18.58                               | 18.48                        |                        |             |
| 10                         | 64QAM      | 25      | 12        | 18.52                       | 18.41                              | 18.45                               | 18.39                        |                        |             |
| 10                         | 64QAM      | 25      | 25        | 18.56                       | 18.32                              | 18.42                               | 18.37                        |                        |             |
| 10                         | 64QAM      | 50      | 0         | 18.52                       | 18.41                              | 18.37                               | 18.44                        | 19                     | 1           |
| 10                         | 256QAM     | 1       | 0         | 17.82                       | 17.67                              | 17.75                               | 17.77                        |                        |             |
| 10                         | 256QAM     | 1       | 25        | 17.70                       | 17.63                              | 17.65                               | 17.62                        |                        |             |
| 10                         | 256QAM     | 1       | 49        | 17.80                       | 17.73                              | 17.74                               | 17.67                        |                        |             |
| 10                         | 256QAM     | 25      | 0         | 17.68                       | 17.63                              | 17.63                               | 17.57                        | 19                     | 1           |
| 10                         | 256QAM     | 25      | 12        | 17.69                       | 17.70                              | 17.70                               | 17.60                        |                        |             |
| 10                         | 256QAM     | 25      | 25        | 17.67                       | 17.70                              | 17.74                               | 17.71                        |                        |             |
| 10                         | 256QAM     | 50      | 0         | 17.80                       | 17.64                              | 17.64                               | 17.75                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 55565                       | 55810                              | 56170                               | 56715                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 3592.5                      | 3607                               | 3643                                | 3697.5                       |                        |             |
| 5                          | QPSK       | 1       | 0         | 18.54                       | 18.39                              | 18.34                               | 18.23                        | 20                     | 0           |
| 5                          | QPSK       | 1       | 12        | 18.53                       | 18.50                              | 18.49                               | 18.48                        |                        |             |
| 5                          | QPSK       | 1       | 24        | 18.34                       | 18.45                              | 18.41                               | 18.47                        |                        |             |
| 5                          | QPSK       | 12      | 0         | 18.59                       | 18.54                              | 18.45                               | 18.39                        |                        |             |
| 5                          | QPSK       | 12      | 7         | 18.47                       | 18.42                              | 18.47                               | 18.40                        | 20                     | 0           |
| 5                          | QPSK       | 12      | 13        | 18.53                       | 18.41                              | 18.44                               | 18.51                        |                        |             |
| 5                          | QPSK       | 25      | 0         | 18.55                       | 18.52                              | 18.25                               | 18.41                        |                        |             |
| 5                          | 16QAM      | 1       | 0         | 18.53                       | 18.50                              | 18.46                               | 18.44                        |                        |             |
| 5                          | 16QAM      | 1       | 12        | 18.54                       | 18.49                              | 18.60                               | 18.49                        | 20                     | 0           |
| 5                          | 16QAM      | 1       | 24        | 18.41                       | 18.37                              | 18.39                               | 18.33                        |                        |             |
| 5                          | 16QAM      | 12      | 0         | 18.59                       | 18.47                              | 18.39                               | 18.36                        |                        |             |
| 5                          | 16QAM      | 12      | 7         | 18.48                       | 18.46                              | 18.49                               | 18.47                        |                        |             |
| 5                          | 16QAM      | 12      | 13        | 18.53                       | 18.46                              | 18.42                               | 18.40                        | 20                     | 0           |
| 5                          | 16QAM      | 25      | 0         | 18.53                       | 18.43                              | 18.45                               | 18.42                        |                        |             |
| 5                          | 64QAM      | 1       | 0         | 18.55                       | 18.36                              | 18.40                               | 18.44                        |                        |             |
| 5                          | 64QAM      | 1       | 12        | 18.46                       | 18.49                              | 18.35                               | 18.34                        |                        |             |
| 5                          | 64QAM      | 1       | 24        | 18.45                       | 18.34                              | 18.33                               | 18.35                        | 20                     | 0           |
| 5                          | 64QAM      | 12      | 0         | 18.58                       | 18.37                              | 18.52                               | 18.45                        |                        |             |
| 5                          | 64QAM      | 12      | 7         | 18.44                       | 18.41                              | 18.51                               | 18.41                        |                        |             |
| 5                          | 64QAM      | 12      | 13        | 18.56                       | 18.35                              | 18.45                               | 18.41                        |                        |             |
| 5                          | 256QAM     | 1       | 0         | 18.44                       | 18.42                              | 18.40                               | 18.39                        | 19                     | 1           |
| 5                          | 256QAM     | 1       | 12        | 17.64                       | 17.64                              | 17.82                               | 17.74                        |                        |             |
| 5                          | 256QAM     | 1       | 12        | 17.67                       | 17.62                              | 17.58                               | 17.52                        |                        |             |
| 5                          | 256QAM     | 1       | 24        | 17.52                       | 17.76                              | 17.81                               | 17.67                        |                        |             |
| 5                          | 256QAM     | 12      | 0         | 17.78                       | 17.58                              | 17.62                               | 17.63                        | 19                     | 1           |
| 5                          | 256QAM     | 12      | 7         | 17.67                       | 17.68                              | 17.67                               | 17.60                        |                        |             |
| 5                          | 256QAM     | 12      | 13        | 17.86                       | 17.69                              | 17.75                               | 17.70                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 17.64                       | 17.71                              | 17.61                               | 17.68                        |                        |             |



## Reduced Power for State 3

<GSM>

| GSM850_Ant 0    | Burst Average Power (dBm) |       |       | Tune-up | Frame Average Power (dBm) |       |       | Tune-up |
|-----------------|---------------------------|-------|-------|---------|---------------------------|-------|-------|---------|
|                 | Limit                     | 128   | 189   |         | Limit                     | 128   | 189   |         |
| Tx Channel      | 128                       | 189   | 251   | Limit   | 128                       | 189   | 251   | Limit   |
| Frequency (MHz) | 824.2                     | 834.4 | 844.8 | (dBm)   | 824.2                     | 834.4 | 844.8 | (dBm)   |
| GSM 1 Tx slot   | 31.55                     | 31.59 | 31.80 | 32.50   | 22.85                     | 22.89 | 22.90 | 23.50   |
| GPRS 1 Tx slot  | 31.80                     | 31.95 | 31.76 | 32.50   | 22.80                     | 22.95 | 22.76 | 23.50   |
| GPRS 2 Tx slots | 31.20                     | 31.23 | 31.12 | 32.00   | 25.20                     | 25.23 | 25.12 | 26.00   |
| GPRS 3 Tx slots | 29.73                     | 29.83 | 29.68 | 30.50   | 25.47                     | 25.57 | 25.42 | 26.24   |
| GPRS 4 Tx slots | 28.41                     | 28.61 | 28.47 | 29.00   | 25.41                     | 25.61 | 25.47 | 26.00   |
| EDGE 1 Tx slot  | 25.88                     | 25.98 | 25.91 | 27.50   | 17.88                     | 17.98 | 17.91 | 18.50   |
| EDGE 2 Tx slots | 25.98                     | 26.05 | 26.03 | 26.50   | 18.98                     | 20.05 | 20.03 | 20.50   |
| EDGE 3 Tx slots | 24.35                     | 24.51 | 24.41 | 25.00   | 20.09                     | 20.25 | 20.15 | 20.74   |
| EDGE 4 Tx slots | 23.45                     | 23.43 | 23.40 | 23.00   | 20.45                     | 20.43 | 20.40 | 20.60   |

| GSM1900_Ant 2   | Burst Average Power (dBm) |       |        | Tune-up | Frame Average Power (dBm) |       |        | Tune-up |
|-----------------|---------------------------|-------|--------|---------|---------------------------|-------|--------|---------|
|                 | Limit                     | 1512  | 1861   |         | Limit                     | 1512  | 1861   |         |
| Tx Channel      | 1512                      | 1861  | 1909.8 | Limit   | 1512                      | 1861  | 1909.8 | Limit   |
| Frequency (MHz) | 1850.2                    | 1860  | 1909.8 | (dBm)   | 1850.2                    | 1860  | 1909.8 | (dBm)   |
| GSM 1 Tx slot   | 28.44                     | 29.59 | 29.40  | 30.00   | 20.44                     | 20.59 | 20.40  | 21.00   |
| GPRS 1 Tx slot  | 28.41                     | 29.57 | 29.36  | 30.00   | 20.41                     | 20.57 | 20.36  | 21.00   |
| GPRS 2 Tx slots | 28.55                     | 28.95 | 28.77  | 29.50   | 22.35                     | 22.95 | 22.77  | 23.50   |
| GPRS 3 Tx slots | 26.66                     | 26.70 | 26.61  | 27.50   | 22.40                     | 22.44 | 22.35  | 23.24   |
| GPRS 4 Tx slots | 25.41                     | 25.51 | 25.35  | 26.50   | 22.41                     | 22.51 | 22.35  | 23.50   |
| EDGE 1 Tx slot  | 25.71                     | 25.71 | 25.81  | 26.80   | 16.71                     | 16.71 | 16.81  | 17.80   |
| EDGE 2 Tx slots | 24.55                     | 24.78 | 24.74  | 26.00   | 18.55                     | 18.78 | 18.74  | 20.00   |
| EDGE 3 Tx slots | 22.97                     | 23.01 | 22.87  | 24.00   | 18.71                     | 18.75 | 18.61  | 19.74   |
| EDGE 4 Tx slots | 21.58                     | 22.04 | 22.01  | 23.00   | 18.98                     | 19.04 | 19.01  | 20.00   |

<WCDMA>

| Band        | WCDMA_R_Ant 2           |       |       |       |       | WCDMA_V_Ant 2 |        |        |       |       | WCDMA_V_Ant 0 |       |       |  |  |
|-------------|-------------------------|-------|-------|-------|-------|---------------|--------|--------|-------|-------|---------------|-------|-------|--|--|
|             | Tx Channel              | 9262  | 9400  | 9538  | Limit | 1312          | 1413   | 1513   | Limit | 4132  | 4182          | 4233  | Limit |  |  |
|             | Frequency (MHz)         | 9662  | 9800  | 9938  | (dBm) | 1712.4        | 1732.6 | 1752.8 | (dBm) | 826.4 | 836.4         | 846.6 | (dBm) |  |  |
| 3GPP Rel 99 | AMR 12.2kpps            | 21.55 | 21.70 | 22.08 | 23.00 | 22.12         | 22.31  | 22.25  | 23.50 | 23.00 | 23.05         | 23.01 | 23.50 |  |  |
| 3GPP Rel 99 | AMR 12.2kpps            | 21.87 | 21.71 | 22.10 | 23.00 | 22.14         | 22.34  | 22.26  | 23.50 | 23.05 | 23.10         | 23.04 | 23.50 |  |  |
| 3GPP Rel 6  | HSDPA Subtest-1         | 21.07 | 20.67 | 21.24 | 22.00 | 21.56         | 21.61  | 21.62  | 22.00 | 22.00 | 22.19         | 21.99 | 23.00 |  |  |
| 3GPP Rel 6  | HSDPA Subtest-2         | 21.05 | 20.77 | 21.27 | 22.00 | 21.49         | 21.54  | 21.59  | 22.00 | 22.00 | 22.25         | 22.02 | 22.50 |  |  |
| 3GPP Rel 6  | HSDPA Subtest-3         | 20.62 | 20.38 | 20.79 | 21.50 | 21.14         | 21.15  | 21.18  | 21.50 | 21.55 | 21.80         | 21.59 | 22.00 |  |  |
| 3GPP Rel 6  | HSDPA Subtest-4         | 20.55 | 20.38 | 20.78 | 21.50 | 21.03         | 21.07  | 21.13  | 21.50 | 21.55 | 21.79         | 21.51 | 22.00 |  |  |
| 3GPP Rel 8  | DC-HSDPA Subtest-1      | 21.01 | 20.82 | 21.20 | 22.00 | 21.45         | 21.53  | 21.63  | 22.00 | 21.98 | 22.16         | 21.83 | 23.00 |  |  |
| 3GPP Rel 8  | DC-HSDPA Subtest-2      | 21.05 | 20.76 | 21.13 | 22.00 | 21.54         | 21.60  | 21.65  | 22.00 | 21.95 | 22.23         | 22.01 | 22.50 |  |  |
| 3GPP Rel 8  | DC-HSDPA Subtest-3      | 20.50 | 20.25 | 20.78 | 21.50 | 21.03         | 21.22  | 21.14  | 21.50 | 21.53 | 21.78         | 21.55 | 22.00 |  |  |
| 3GPP Rel 8  | DC-HSDPA Subtest-4      | 20.37 | 20.29 | 20.74 | 21.50 | 20.96         | 21.08  | 21.11  | 21.50 | 21.52 | 21.75         | 21.50 | 22.00 |  |  |
| 3GPP Rel 6  | HSUPA Subtest-1         | 19.53 | 19.55 | 19.60 | 21.50 | 19.53         | 19.58  | 19.57  | 21.50 | 19.99 | 20.00         | 20.05 | 21.50 |  |  |
| 3GPP Rel 6  | HSUPA Subtest-2         | 18.55 | 18.61 | 19.17 | 20.00 | 19.55         | 19.55  | 19.57  | 20.00 | 20.01 | 20.04         | 20.10 | 20.50 |  |  |
| 3GPP Rel 6  | HSUPA Subtest-3         | 20.03 | 19.71 | 20.22 | 21.00 | 20.50         | 20.48  | 20.42  | 20.99 | 21.04 | 21.00         | 21.06 | 21.50 |  |  |
| 3GPP Rel 6  | HSUPA Subtest-4         | 18.53 | 18.17 | 18.70 | 19.50 | 19.02         | 19.07  | 19.13  | 19.50 | 19.60 | 19.60         | 19.62 | 20.50 |  |  |
| 3GPP Rel 6  | HSUPA Subtest-5         | 19.59 | 19.68 | 20.25 | 21.50 | 20.60         | 20.70  | 20.60  | 21.50 | 21.00 | 21.00         | 21.10 | 21.50 |  |  |
| 3GPP Rel 7  | HSUPA (HSCAM) Subtest-1 | 19.06 | 19.02 | 19.10 | 21.00 | 19.34         | 19.45  | 19.29  | 21.00 | 20.00 | 20.02         | 20.05 | 22.00 |  |  |

**Band 2\_Ant 2**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. 1700 | Power Middle Ch. Freq. 1800 | Power High Ch. Freq. 19100 | Tune-up Int. (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|----------------------------|--------------------|----------|
| Channel         |            |         |           |                          |                             |                            |                    |          |
| Frequency (MHz) |            |         |           |                          |                             |                            |                    |          |
| 20              | QPSK       | 1       | 0         | 22.76                    | 22.83                       | 22.73                      | 23.5               | 0        |
| 20              | QPSK       | 1       | 49        | 22.48                    | 22.54                       | 22.56                      |                    |          |
| 20              | QPSK       | 1       | 99        | 22.51                    | 22.57                       | 22.61                      |                    |          |
| 20              | QPSK       | 50      | 0         | 22.69                    | 22.71                       | 22.68                      |                    |          |
| 20              | QPSK       | 50      | 24        | 22.61                    | 22.55                       | 22.57                      | 23.5               | 0        |
| 20              | QPSK       | 50      | 50        | 22.48                    | 22.61                       | 22.64                      |                    |          |
| 20              | QPSK       | 100     | 0         | 22.58                    | 22.64                       | 22.61                      |                    |          |
| 20              | 16QAM      | 1       | 0         | 22.59                    | 22.62                       | 22.52                      |                    |          |
| 20              | 16QAM      | 1       | 49        | 22.61                    | 22.60                       | 22.56                      | 23.5               | 0        |
| 20              | 16QAM      | 1       | 99        | 22.56                    | 22.63                       | 22.61                      |                    |          |
| 20              | 16QAM      | 50      | 0         | 22.10                    | 22.08                       | 22.12                      |                    |          |
| 20              | 16QAM      | 50      | 24        | 22.08                    | 22.06                       | 22.13                      |                    |          |
| 20              | 16QAM      | 50      | 50        | 22.09                    | 22.04                       | 22.06                      | 22.5               | 1        |
| 20              | 16QAM      | 100     | 0         | 22.10                    | 22.08                       | 22.11                      |                    |          |
| 20              | 16QAM      | 100     | 0         | 22.24                    | 22.08                       | 22.27                      |                    |          |
| 20              | 64QAM      | 1       | 49        | 22.30                    | 22.30                       | 22.26                      |                    |          |
| 20              | 64QAM      | 1       | 99        | 22.11                    | 22.07                       | 22.13                      | 22.5               | 1        |
| 20              | 64QAM      | 50      | 0         | 21.07                    | 21.09                       | 21.09                      |                    |          |
| 20              | 64QAM      | 50      | 24        | 21.10                    | 21.06                       | 21.13                      |                    |          |
| 20              | 64QAM      | 50      | 50        | 21.07                    | 21.00                       | 21.04                      |                    |          |
| 20              | 64QAM      | 100     | 0         | 21.10                    | 21.07                       | 21.09                      | 21.5               | 2        |
| 20              | 256QAM     | 1       | 0         | 19.06                    | 19.00                       | 19.05                      |                    |          |
| 20              | 256QAM     | 1       | 49        | 19.05                    | 19.07                       | 19.09                      |                    |          |
| 20              | 256QAM     | 1       | 99        | 18.98                    | 18.97                       | 19.01                      |                    |          |
| 20              | 256QAM     | 50      | 0         | 19.00                    | 19.04                       | 19.09                      | 19.5               | 4        |
| 20              | 256QAM     | 50      | 24        | 18.97                    | 18.94                       | 18.94                      |                    |          |
| 20              | 256QAM     | 50      | 50        | 18.96                    | 18.92                       | 19.00                      |                    |          |
| 20              | 256QAM     | 100     | 0         | 19.06                    | 19.00                       | 19.02                      |                    |          |
| Channel         |            |         |           |                          |                             |                            |                    |          |
| Frequency (MHz) |            |         |           |                          |                             |                            |                    |          |
| 15              | QPSK       | 1       | 0         | 1867.6                   | 1860                        | 1902.6                     | 23.5               | 0        |
| 15              | QPSK       | 1       | 0         | 22.55                    | 22.60                       | 22.53                      |                    |          |
| 15              | QPSK       | 1       | 25        | 22.52                    | 22.50                       | 22.51                      |                    |          |
| 15              | QPSK       | 1       | 74        | 22.51                    | 22.52                       | 22.64                      |                    |          |
| 15              | QPSK       | 36      | 36        | 22.55                    | 22.50                       | 22.54                      | 23.5               | 0        |
| 15              | QPSK       | 36      | 36        | 22.60                    | 22.60                       | 22.64                      |                    |          |
| 15              | QPSK       | 36      | 36        | 22.60                    | 22.52                       | 22.57                      |                    |          |
| 15              | QPSK       | 36      | 36        | 22.54                    | 22.54                       | 22.58                      |                    |          |
| 15              | 16QAM      | 1       | 0         | 22.53                    | 22.57                       | 22.62                      | 23.5               | 0        |
| 15              | 16QAM      | 1       | 37        | 22.57                    | 22.56                       | 22.64                      |                    |          |
| 15              | 16QAM      | 1       | 14        | 22.48                    | 22.48                       | 22.54                      |                    |          |
| 15              | 16QAM      | 36      | 0         | 21.91                    | 21.89                       | 22.06                      |                    |          |
| 15              | 16QAM      | 36      | 20        | 21.99                    | 21.91                       | 21.96                      | 22.5               | 1        |
| 15              | 16QAM      | 36      | 38        | 21.91                    | 21.87                       | 21.93                      |                    |          |
| 15              | 16QAM      | 75      | 0         | 22.03                    | 22.00                       | 21.97                      |                    |          |
| 15              | 64QAM      | 1       | 0         | 22.07                    | 22.15                       | 22.11                      |                    |          |
| 15              | 64QAM      | 1       | 37        | 22.01                    | 21.98                       | 21.99                      | 22.5               | 1        |
| 15              | 64QAM      | 36      | 0         | 21.00                    | 21.01                       | 21.00                      |                    |          |
| 15              | 64QAM      | 36      | 20        | 20.91                    | 20.98                       | 20.97                      |                    |          |
| 15              | 64QAM      | 36      | 39        | 20.99                    | 20.89                       | 20.94                      |                    |          |
| 15              | 64QAM      | 75      | 0         | 21.04                    | 20.90                       | 21.01                      | 21.5               | 2        |
| 15              | 256QAM     | 1       | 0         | 18.90                    | 18.83                       | 18.96                      |                    |          |
| 15              | 256QAM     | 1       | 37        | 18.86                    | 18.90                       | 18.98                      |                    |          |
| 15              | 256QAM     | 1       | 14        | 18.83                    | 18.91                       | 18.91                      |                    |          |
| 15              | 256QAM     | 36      | 0         | 18.91                    | 18.97                       | 18.99                      | 19.5               | 4        |
| 15              | 256QAM     | 36      | 20        | 18.94                    | 18.79                       | 18.84                      |                    |          |
| 15              | 256QAM     | 36      | 38        | 18.77                    | 18.82                       | 18.87                      |                    |          |
| 15              | 256QAM     | 75      | 0         | 18.96                    | 18.81                       | 18.83                      |                    |          |
| 15              | 256QAM     | 75      | 0         | 18.96                    | 18.84                       | 18.92                      | 19.5               | 4        |
| 15              | 256QAM     | 75      | 0         | 18.96                    | 18.84                       | 18.92                      |                    |          |
| Channel         |            |         |           |                          |                             |                            |                    |          |
| Frequency (MHz) |            |         |           |                          |                             |                            |                    |          |
| 10              | QPSK       | 1       | 0         | 22.56                    | 22.59                       | 22.58                      | 23.5               | 0        |
| 10              | QPSK       | 1       | 26        | 22.50                    | 22.50                       | 22.60                      |                    |          |
| 10              | QPSK       | 1       | 49        | 22.51                    | 22.59                       | 22.53                      |                    |          |
| 10              | QPSK       | 25      | 0         | 22.60                    | 22.55                       | 22.51                      |                    |          |
| 10              | QPSK       | 25      | 0         | 22.60                    | 22.61                       | 22.63                      | 23.5               | 0        |
| 10              | QPSK       | 25      | 26        | 22.60                    | 22.50                       | 22.53                      |                    |          |
| 10              | QPSK       | 50      | 0         | 22.58                    | 22.53                       | 22.61                      |                    |          |
| 10              | 16QAM      | 1       | 0         | 22.48                    | 22.56                       | 22.63                      |                    |          |
| 10              | 16QAM      | 1       | 26        | 22.57                    | 22.60                       | 22.52                      | 23.5               | 0        |
| 10              | 16QAM      | 1       | 49        | 22.55                    | 22.59                       | 22.57                      |                    |          |
| 10              | 16QAM      | 25      | 0         | 21.91                    | 21.90                       | 21.98                      |                    |          |
| 10              | 16QAM      | 25      | 12        | 21.93                    | 22.00                       | 22.06                      |                    |          |
| 10              | 16QAM      | 25      | 12        | 21.92                    | 21.90                       | 22.05                      | 22.5               | 1        |
| 10              | 16QAM      | 50      | 0         | 22.04                    | 21.98                       | 21.94                      |                    |          |
| 10              | 64QAM      | 1       | 0         | 22.15                    | 22.08                       | 22.13                      |                    |          |
| 10              | 64QAM      | 1       | 25        | 22.18                    | 22.12                       | 22.19                      |                    |          |
| 10              | 64QAM      | 1       | 49        | 21.97                    | 21.86                       | 22.06                      | 22.5               | 1        |
| 10              | 64QAM      | 25      | 0         | 20.95                    | 21.03                       | 20.94                      |                    |          |
| 10              | 64QAM      | 25      | 12        | 20.96                    | 20.99                       | 20.97                      |                    |          |
| 10              | 64QAM      | 25      | 26        | 20.97                    | 20.90                       | 20.93                      |                    |          |
| 10              | 64QAM      | 50      | 0         | 20.98                    | 20.94                       | 20.92                      | 19.5               | 4        |
| 10              | 256QAM     | 1       | 0         | 18.94                    | 18.80                       | 18.93                      |                    |          |
| 10              | 256QAM     | 1       | 25        | 18.89                    | 18.91                       | 19.02                      |                    |          |
| 10              | 256QAM     | 1       | 49        | 18.90                    | 18.86                       | 18.98                      |                    |          |
| 10              | 256QAM     | 25      | 0         | 18.93                    | 18.94                       | 18.95                      |                    |          |
| 10              | 256QAM     | 25      | 12        | 18.89                    | 18.91                       | 18.86                      | 19.5               | 4        |
| 10              | 256QAM     | 25      | 12        | 18.89                    | 18.91                       | 18.86                      |                    |          |
| 10              | 256QAM     | 25      | 12        | 18.79                    | 18.81                       | 18.84                      |                    |          |
| 10              | 256QAM     | 50      | 0         | 18.98                    | 18.84                       | 18.92                      |                    |          |
| Channel         |            |         |           |                          |                             |                            |                    |          |
| Frequency (MHz) |            |         |           |                          |                             |                            |                    |          |
| 5               | QPSK       | 1       | 0         | 22.60                    | 22.62                       | 22.57                      | 23.5               | 0        |
| 5               | QPSK       | 1       | 12        | 22.49                    | 22.50                       | 22.62                      |                    |          |
| 5               | QPSK       | 1       | 24        | 22.51                    | 22.55                       | 22.66                      |                    |          |
| 5               | QPSK       | 12      | 0         | 22.58                    | 22.63                       | 22.57                      |                    |          |
| 5               | QPSK       | 12      | 7         | 22.58                    | 22.64                       | 22.62                      | 23.5               | 0        |
| 5               | QPSK       | 12      | 13        | 22.57                    | 22.62                       | 22.60                      |                    |          |
| 5               | QPSK       | 25      | 0         | 22.51                    | 22.62                       | 22.56                      |                    |          |
| 5               | 16QAM      | 1       | 0         | 22.57                    | 22.62                       | 22.54                      |                    |          |
| 5               | 16QAM      | 1       | 12        | 22.53                    | 22.58                       | 22.62                      | 23.5               | 0        |
| 5               | 16QAM      | 1       | 24        | 22.55                    | 22.57                       | 22.57                      |                    |          |
| 5               | 16QAM      | 12      | 0         | 22.04                    | 21.93                       | 21.98                      |                    |          |
| 5               | 16QAM      | 12      | 7         | 21.96                    | 21.91                       | 21.94                      |                    |          |
| 5               | 16QAM      | 12      | 13        | 21.95                    | 21.97                       | 21.91                      | 22.5               | 1        |
| 5               | 16QAM      | 25      | 0         | 22.00                    | 21.99                       | 21.97                      |                    |          |
| 5               | 64QAM      | 1       | 0         | 22.07                    | 22.09                       | 22.13                      |                    |          |
| 5               | 64QAM      | 1       | 12        | 22.24                    | 22.12                       | 22.16                      |                    |          |
| 5               | 64QAM      | 1       | 24        | 21.98                    | 21.92                       | 22.00                      | 22.5               | 1        |
| 5               | 64QAM      | 12      | 0         | 20.90                    | 21.00                       | 20.91                      |                    |          |
| 5               | 64QAM      | 12      | 0         | 20.90                    | 21.00                       | 20.91                      |                    |          |
| 5               | 64QAM      | 12      | 13        | 20.91                    | 20.84                       | 20.87                      |                    |          |
| 5               | 64QAM      | 25      | 0         | 20.94                    | 20.90                       | 20.93                      | 21.5               | 2        |
| 5               | 256QAM     | 1       | 0         | 18.89                    | 18.80                       | 18.98                      |                    |          |
| 5               | 256QAM     | 1       | 12        | 18.97                    | 18.80                       | 18.98                      |                    |          |
| 5               | 256QAM     | 1       | 24        | 18.81                    | 18.84                       | 18.93                      |                    |          |
| 5               | 256QAM     | 12      | 0         | 18.91                    | 18.95                       | 18.93                      | 19.5               | 4        |
| 5               | 256QAM     | 12      | 7         | 18.90                    | 18.84                       | 18.81                      |                    |          |
| 5               | 256QAM     | 12      | 13        | 18.79                    | 18.81                       | 18.90                      |                    |          |
| 5               | 256QAM     | 25      | 0         | 18.93                    | 18.88                       | 18.90                      |                    |          |
| 5               | 256QAM     | 25      | 0         | 18.93                    | 18.88                       | 18.90                      | 19.5               | 4        |
| 5               | 256QAM     | 25      | 0         | 18.93                    | 18.88                       | 18.90                      |                    |          |
| Channel         |            |         |           |                          |                             |                            |                    |          |
| Frequency (MHz) |            |         |           |                          |                             |                            |                    |          |
| 3               | QPSK       | 1       | 0         | 22.48                    | 22.54                       | 22.61                      | 23.5               | 0        |
| 3               | QPSK       | 1       | 8         | 22.50                    | 22.63                       | 22.57                      |                    |          |
| 3               | QPSK       | 1       | 16        | 22.54                    | 22.60                       | 22.66                      |                    |          |
| 3               | QPSK       | 6       | 0         | 22.50                    | 22.56                       | 22.57                      |                    |          |
| 3               | QPSK       | 6       | 4         | 22.61                    | 22.52                       | 22.57                      | 23.5               | 0        |
| 3               | QPSK       | 6       | 4         | 22.54                    | 22.53                       | 22.60                      |                    |          |
| 3               | QPSK       | 15      | 0         | 22.53                    | 22.55                       | 22.54                      |                    |          |
| 3               | QPSK       | 15      | 0         | 22.48                    | 22.50                       | 22.63                      |                    |          |
| 3               | 16QAM      | 1       | 0         | 22.50                    | 22.58                       | 22.65                      | 23.5               | 0        |
| 3               | 16QAM      | 1       | 14        | 22.59                    | 22.50                       | 22.53                      |                    |          |
| 3               | 16QAM      | 8       | 0         | 21.96                    | 21.91                       | 21.91                      |                    |          |
| 3               | 16QAM      | 8       | 4         | 21.91                    | 21.94                       | 21.94                      |                    |          |
| 3               | 16QAM      | 8       | 7         | 21.96                    | 21.85                       | 21.96                      | 22.5               | 1        |
| 3               | 16QAM      | 15      | 0         | 21.91                    | 21.98                       | 22.06                      |                    |          |
| 3               | 64QAM      | 1       | 0         | 22.13                    | 22.20                       | 22.21                      |                    |          |
| 3               | 64QAM      | 1       | 8         | 22.19                    | 22.12                       | 22.14                      |                    |          |
| 3               | 64QAM      | 1       | 16        | 21.93                    | 21.92                       | 21.91                      | 22.5               | 1        |
| 3               | 64QAM      | 1       | 19        | 20.93                    | 20.90                       | 20.90                      |                    |          |
| 3               | 64QAM      | 8       | 4         | 20.94                    | 20.90                       | 20.95                      |                    |          |
| 3               | 64QAM      | 8       | 7         | 20.89                    | 20.81                       | 20.95                      |                    |          |
| 3               | 64QAM      | 15      | 0         | 20.91                    | 20.99                       | 21.02                      | 21.5               | 2        |
| 3               | 256QAM     | 1       | 0         | 19.00                    | 18.84                       | 18.87                      |                    |          |
| 3               | 256QAM     | 1       | 8         | 18.95                    | 18.86                       | 19.01                      |                    |          |
| 3               | 256QAM     | 1       | 14        | 18.84                    | 18.88                       | 18.94                      |                    |          |
| 3               | 256QAM     | 8       | 0         | 18.81                    | 18.83                       | 19.03                      | 19.5               | 4        |
| 3               | 256QAM     | 8       | 4         | 18.91                    | 18.83                       | 18.82                      |                    |          |
| 3               | 256QAM     | 8       | 7         | 18.90                    | 18.79                       | 18.95                      |                    |          |
| 3               | 256QAM     | 15      | 0         | 18.92                    | 18.89                       | 18.93                      |                    |          |
| Channel         |            |         |           |                          |                             |                            |                    |          |
| Frequency (MHz) |            |         |           |                          |                             |                            |                    |          |
| 1.4             | QPSK       | 1       | 0         | 22.48                    | 22.51                       | 22.55                      | 23.5               | 0        |
| 1.4             | QPSK       | 1       | 3         | 22.61                    | 22.63                       | 22.62                      |                    |          |
| 1.4             | QPSK       | 1       | 14        | 22.54                    | 22.60                       | 22.56                      |                    |          |
| 1.4             | QPSK       | 3       | 0         | 22.53                    | 22.63                       | 22.58                      |                    |          |
| 1.4             | QPSK       | 3       | 0         | 22.60                    | 22.52                       | 22.57                      | 23.5               | 0        |
| 1.4             | QPSK       | 3       | 1         | 22.55                    | 22.65                       | 22.52                      |                    |          |
| 1.4             | QPSK       | 3       | 3         | 22.61                    | 22.50                       | 22.55                      |                    |          |
| 1.4             | QPSK       | 6       | 0         | 22.60                    | 22.55                       | 22.52                      |                    |          |
| 1.4             | 16QAM      | 1       | 0         | 22.48                    | 22.53                       | 22.58                      | 23.5               | 0        |
| 1.4             | 16QAM      | 1       | 3         | 22.51                    | 22.58                       | 22.52                      |                    |          |
| 1.4             | 16QAM      | 1       | 5         | 22.59                    | 22.59                       | 22.59                      |                    |          |
| 1.4             | 16QAM      | 3       | 0         | 22.53                    | 22.63                       | 22.58                      |                    |          |
| 1.4             | 16QAM      | 3       | 1         | 22.54                    | 22.59                       | 22.54                      | 22.5               | 1        |
| 1.4             | 16QAM      | 3       | 3         | 22.49                    | 22.61                       | 22.59                      |                    |          |
| 1.4             | 16QAM      | 3       | 1         | 22.02                    | 21.99                       | 21.93                      |                    |          |
| 1.4             | 16QAM      | 3       | 1         | 22.18                    | 22.20                       | 22.15                      |                    |          |
| 1.4             | 64QAM      | 1       | 3         | 22.19                    | 22.16                       | 22.12                      | 22.5               | 1        |
| 1.4             | 64QAM      | 1       | 3         | 21.91                    | 21.97                       | 21.76                      |                    |          |
| 1.4             | 64QAM      | 3       | 3         | 21.91                    | 21.89                       | 21.91                      |                    |          |
| 1.4             | 64QAM      | 6       | 0         | 20.91                    | 20.88                       | 21.01                      |                    |          |
| 1.4             | 256QAM     | 1       | 3         | 18.84                    | 18.81                       | 18.86                      | 21.5               | 2        |
| 1.4             | 256QAM     | 1       | 3         | 18.98                    | 18.87                       | 18.90                      |                    |          |
| 1.4             | 256QAM     | 1       | 5         | 18.82                    | 18.82                       | 18.89                      |                    |          |
| 1.4             | 256QAM     | 3       | 3         | 18.91                    | 18.91                       | 18.91                      |                    |          |
| 1.4             | 256QAM     | 3       | 3         | 19.00                    | 18.90                       | 18.79                      | 19.5               | 4        |
| 1.4             | 256QAM     | 3       | 3         | 18.90                    | 18.75                       | 18.89                      |                    |          |
| 1.4             | 256QAM     | 3       | 3         | 18.90                    | 18.75                       | 18.93                      |                    |          |
| 1.4             | 256QAM     | 3       | 3         | 18.90                    | 18.75                       | 18.89                      |                    |          |

## Band 5\_Ant 0

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power<br>Low<br>Ch. Freq.<br>24500 | Power<br>Middle<br>Ch. Freq.<br>24625 | Power<br>High<br>Ch. Freq.<br>24650 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|------------------------------------|---------------------------------------|-------------------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           |                                    |                                       |                                     |                        |             |
| 10              | QPSK       | 1       | 0       | 23.98     | 24.05                              | 24.03                                 | 25                                  | 0                      |             |
| 10              | QPSK       | 1       | 25      | 23.92     | 23.94                              | 24.01                                 |                                     |                        |             |
| 10              | QPSK       | 1       | 49      | 23.93     | 24.01                              | 24.00                                 |                                     |                        |             |
| 10              | QPSK       | 25      | 0       | 22.92     | 23.08                              | 23.03                                 |                                     |                        |             |
| 10              | QPSK       | 25      | 12      | 22.89     | 22.96                              | 22.92                                 |                                     |                        |             |
| 10              | QPSK       | 25      | 25      | 22.88     | 22.88                              | 23.02                                 | 24                                  | 1                      |             |
| 10              | QPSK       | 50      | 0       | 22.89     | 23.08                              | 23.03                                 |                                     |                        |             |
| 10              | 16QAM      | 1       | 0       | 23.09     | 23.31                              | 23.24                                 |                                     |                        |             |
| 10              | 16QAM      | 1       | 25      | 23.06     | 23.17                              | 23.20                                 |                                     |                        |             |
| 10              | 16QAM      | 1       | 49      | 23.23     | 23.10                              | 23.24                                 |                                     |                        |             |
| 10              | 16QAM      | 25      | 0       | 21.97     | 21.97                              | 22.02                                 | 24                                  | 1                      |             |
| 10              | 16QAM      | 25      | 12      | 21.93     | 21.97                              | 21.94                                 |                                     |                        |             |
| 10              | 16QAM      | 25      | 25      | 21.89     | 21.89                              | 22.03                                 |                                     |                        |             |
| 10              | 16QAM      | 50      | 0       | 21.83     | 21.83                              | 22.06                                 |                                     |                        |             |
| 10              | 64QAM      | 1       | 0       | 22.07     | 22.13                              | 22.09                                 |                                     |                        |             |
| 10              | 64QAM      | 1       | 25      | 22.01     | 22.16                              | 22.03                                 | 23                                  | 2                      |             |
| 10              | 64QAM      | 1       | 49      | 22.18     | 22.18                              | 22.22                                 |                                     |                        |             |
| 10              | 64QAM      | 25      | 0       | 20.98     | 20.93                              | 21.06                                 |                                     |                        |             |
| 10              | 64QAM      | 25      | 12      | 20.95     | 20.95                              | 21.00                                 |                                     |                        |             |
| 10              | 64QAM      | 25      | 25      | 20.95     | 20.91                              | 21.11                                 |                                     |                        |             |
| 10              | 64QAM      | 50      | 0       | 20.94     | 20.92                              | 21.07                                 | 22                                  | 3                      |             |
| 10              | 256QAM     | 1       | 0       | 18.68     | 18.70                              | 18.70                                 |                                     |                        |             |
| 10              | 256QAM     | 1       | 25      | 18.62     | 18.76                              | 18.66                                 |                                     |                        |             |
| 10              | 256QAM     | 1       | 49      | 18.79     | 18.98                              | 18.89                                 |                                     |                        |             |
| 10              | 256QAM     | 25      | 0       | 18.69     | 18.83                              | 18.69                                 |                                     |                        |             |
| 10              | 256QAM     | 25      | 12      | 18.56     | 18.75                              | 18.67                                 | 20                                  | 5                      |             |
| 10              | 256QAM     | 25      | 25      | 18.64     | 18.83                              | 18.74                                 |                                     |                        |             |
| 10              | 256QAM     | 50      | 0       | 18.72     | 18.85                              | 18.68                                 |                                     |                        |             |
| 10              | 256QAM     | 50      | 0       | 18.72     | 18.85                              | 18.68                                 |                                     |                        |             |
| 10              | 256QAM     | 50      | 0       | 18.72     | 18.85                              | 18.68                                 |                                     |                        |             |
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           |                                    |                                       |                                     |                        |             |
| 5               | QPSK       | 1       | 0       | 23.83     | 23.88                              | 23.97                                 | 25                                  | 0                      |             |
| 5               | QPSK       | 1       | 12      | 23.82     | 23.78                              | 23.85                                 |                                     |                        |             |
| 5               | QPSK       | 1       | 24      | 23.81     | 23.90                              | 23.83                                 |                                     |                        |             |
| 5               | QPSK       | 12      | 0       | 22.81     | 22.88                              | 22.93                                 |                                     |                        |             |
| 5               | QPSK       | 12      | 7       | 22.78     | 22.79                              | 22.77                                 |                                     |                        |             |
| 5               | QPSK       | 12      | 13      | 22.73     | 22.79                              | 22.86                                 | 24                                  | 1                      |             |
| 5               | QPSK       | 25      | 0       | 22.77     | 22.88                              | 22.88                                 |                                     |                        |             |
| 5               | 16QAM      | 1       | 0       | 22.97     | 23.17                              | 23.11                                 |                                     |                        |             |
| 5               | 16QAM      | 1       | 12      | 22.91     | 23.00                              | 23.05                                 |                                     |                        |             |
| 5               | 16QAM      | 1       | 24      | 23.04     | 22.99                              | 23.14                                 |                                     |                        |             |
| 5               | 16QAM      | 12      | 0       | 21.82     | 21.74                              | 21.94                                 | 23                                  | 2                      |             |
| 5               | 16QAM      | 12      | 7       | 21.77     | 21.91                              | 21.88                                 |                                     |                        |             |
| 5               | 16QAM      | 12      | 13      | 21.70     | 21.80                              | 21.99                                 |                                     |                        |             |
| 5               | 16QAM      | 25      | 0       | 21.84     | 21.81                              | 21.97                                 |                                     |                        |             |
| 5               | 64QAM      | 1       | 0       | 21.90     | 21.97                              | 22.01                                 |                                     |                        |             |
| 5               | 64QAM      | 1       | 12      | 21.80     | 22.07                              | 21.94                                 | 23                                  | 2                      |             |
| 5               | 64QAM      | 1       | 24      | 22.10     | 21.90                              | 22.15                                 |                                     |                        |             |
| 5               | 64QAM      | 12      | 0       | 20.82     | 20.81                              | 20.99                                 |                                     |                        |             |
| 5               | 64QAM      | 12      | 7       | 20.89     | 20.81                              | 20.87                                 |                                     |                        |             |
| 5               | 64QAM      | 12      | 13      | 20.89     | 20.84                              | 21.01                                 |                                     |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.67                              | 18.58                                 | 22                                  | 3                      |             |
| 5               | 256QAM     | 1       | 0       | 18.50     | 18.65                              | 18.59                                 |                                     |                        |             |
| 5               | 256QAM     | 1       | 12      | 18.50     | 18.65                              | 18.60                                 |                                     |                        |             |
| 5               | 256QAM     | 12      | 0       | 18.54     | 18.59                              | 18.59                                 |                                     |                        |             |
| 5               | 256QAM     | 12      | 7       | 18.42     | 18.55                              | 18.56                                 |                                     |                        |             |
| 5               | 256QAM     | 12      | 13      | 18.57     | 18.66                              | 18.67                                 | 20                                  | 5                      |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.65                              | 18.62                                 |                                     |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.65                              | 18.62                                 |                                     |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.65                              | 18.62                                 |                                     |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.65                              | 18.62                                 |                                     |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.65                              | 18.62                                 |                                     |                        |             |
| 5               | 256QAM     | 25      | 0       | 18.56     | 18.65                              | 18.62                                 |                                     |                        |             |
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           |                                    |                                       |                                     |                        |             |
| 3               | QPSK       | 1       | 0       | 23.79     | 23.89                              | 23.88                                 | 25                                  | 0                      |             |
| 3               | QPSK       | 1       | 8       | 23.78     | 23.87                              | 23.95                                 |                                     |                        |             |
| 3               | QPSK       | 1       | 14      | 23.75     | 23.93                              | 23.90                                 |                                     |                        |             |
| 3               | QPSK       | 8       | 0       | 22.80     | 22.90                              | 22.87                                 |                                     |                        |             |
| 3               | QPSK       | 8       | 4       | 22.80     | 22.79                              | 22.78                                 |                                     |                        |             |
| 3               | QPSK       | 8       | 7       | 22.79     | 22.79                              | 22.91                                 | 24                                  | 1                      |             |
| 3               | QPSK       | 15      | 0       | 22.74     | 22.83                              | 22.85                                 |                                     |                        |             |
| 3               | 16QAM      | 1       | 0       | 22.94     | 23.21                              | 23.18                                 |                                     |                        |             |
| 3               | 16QAM      | 1       | 8       | 22.94     | 22.98                              | 23.05                                 |                                     |                        |             |
| 3               | 16QAM      | 1       | 14      | 23.09     | 23.02                              | 23.05                                 |                                     |                        |             |
| 3               | 16QAM      | 8       | 0       | 21.90     | 21.84                              | 21.89                                 | 23                                  | 2                      |             |
| 3               | 16QAM      | 8       | 4       | 21.74     | 21.83                              | 21.85                                 |                                     |                        |             |
| 3               | 16QAM      | 8       | 7       | 21.82     | 21.74                              | 21.92                                 |                                     |                        |             |
| 3               | 16QAM      | 15      | 0       | 21.82     | 21.77                              | 21.95                                 |                                     |                        |             |
| 3               | 64QAM      | 1       | 0       | 21.98     | 22.01                              | 21.92                                 |                                     |                        |             |
| 3               | 64QAM      | 1       | 8       | 21.87     | 22.10                              | 21.92                                 | 23                                  | 2                      |             |
| 3               | 64QAM      | 1       | 14      | 22.01     | 21.90                              | 22.08                                 |                                     |                        |             |
| 3               | 64QAM      | 8       | 0       | 20.83     | 20.78                              | 20.97                                 |                                     |                        |             |
| 3               | 64QAM      | 8       | 4       | 20.76     | 20.82                              | 20.84                                 |                                     |                        |             |
| 3               | 64QAM      | 8       | 7       | 20.80     | 20.77                              | 20.98                                 |                                     |                        |             |
| 3               | 256QAM     | 15      | 0       | 18.84     | 18.78                              | 18.95                                 | 22                                  | 3                      |             |
| 3               | 256QAM     | 1       | 0       | 18.62     | 18.77                              | 18.64                                 |                                     |                        |             |
| 3               | 256QAM     | 1       | 8       | 18.50     | 18.72                              | 18.50                                 |                                     |                        |             |
| 3               | 256QAM     | 1       | 14      | 18.73     | 18.67                              | 18.74                                 |                                     |                        |             |
| 3               | 256QAM     | 8       | 0       | 18.50     | 18.70                              | 18.63                                 |                                     |                        |             |
| 3               | 256QAM     | 8       | 4       | 18.49     | 18.67                              | 18.56                                 | 20                                  | 5                      |             |
| 3               | 256QAM     | 8       | 7       | 18.48     | 18.74                              | 18.60                                 |                                     |                        |             |
| 3               | 256QAM     | 15      | 0       | 18.63     | 18.70                              | 18.62                                 |                                     |                        |             |
| 3               | 256QAM     | 15      | 0       | 18.63     | 18.70                              | 18.62                                 |                                     |                        |             |
| 3               | 256QAM     | 15      | 0       | 18.63     | 18.70                              | 18.62                                 |                                     |                        |             |
| Channel         |            |         |         |           |                                    |                                       |                                     |                        |             |
| Frequency (MHz) |            |         |         |           |                                    |                                       |                                     |                        |             |
| 1.4             | QPSK       | 1       | 0       | 23.91     | 23.90                              | 23.93                                 | 25                                  | 0                      |             |
| 1.4             | QPSK       | 1       | 0       | 23.74     | 23.81                              | 23.94                                 |                                     |                        |             |
| 1.4             | QPSK       | 1       | 0       | 23.75     | 23.95                              | 23.86                                 |                                     |                        |             |
| 1.4             | QPSK       | 3       | 0       | 23.76     | 23.93                              | 23.88                                 |                                     |                        |             |
| 1.4             | QPSK       | 3       | 1       | 23.81     | 23.86                              | 23.76                                 |                                     |                        |             |
| 1.4             | QPSK       | 3       | 3       | 23.73     | 23.77                              | 23.83                                 | 24                                  | 1                      |             |
| 1.4             | QPSK       | 6       | 0       | 22.80     | 22.96                              | 22.83                                 |                                     |                        |             |
| 1.4             | 16QAM      | 1       | 0       | 23.02     | 23.18                              | 23.18                                 |                                     |                        |             |
| 1.4             | 16QAM      | 1       | 3       | 23.00     | 23.02                              | 22.99                                 |                                     |                        |             |
| 1.4             | 16QAM      | 1       | 5       | 23.12     | 22.91                              | 23.13                                 |                                     |                        |             |
| 1.4             | 16QAM      | 3       | 0       | 22.91     | 22.83                              | 22.83                                 | 23                                  | 2                      |             |
| 1.4             | 16QAM      | 3       | 1       | 22.84     | 22.79                              | 22.81                                 |                                     |                        |             |
| 1.4             | 16QAM      | 3       | 3       | 22.77     | 22.83                              | 22.92                                 |                                     |                        |             |
| 1.4             | 16QAM      | 6       | 0       | 21.84     | 21.70                              | 21.97                                 |                                     |                        |             |
| 1.4             | 64QAM      | 1       | 0       | 21.92     | 21.97                              | 22.01                                 |                                     |                        |             |
| 1.4             | 64QAM      | 1       | 3       | 21.86     | 21.96                              | 22.16                                 | 23                                  | 2                      |             |
| 1.4             | 64QAM      | 1       | 5       | 22.05     | 21.97                              | 22.16                                 |                                     |                        |             |
| 1.4             | 64QAM      | 3       | 0       | 21.87     | 21.86                              | 21.92                                 |                                     |                        |             |
| 1.4             | 64QAM      | 3       | 1       | 21.79     | 21.90                              | 21.93                                 |                                     |                        |             |
| 1.4             | 64QAM      | 3       | 3       | 21.89     | 21.81                              | 21.93                                 |                                     |                        |             |
| 1.4             | 64QAM      | 6       | 0       | 20.75     | 20.81                              | 21.01                                 | 22                                  | 3                      |             |
| 1.4             | 256QAM     | 1       | 0       | 18.52     | 18.78                              | 18.53                                 |                                     |                        |             |
| 1.4             | 256QAM     | 1       | 3       | 18.54     | 18.65                              | 18.51                                 |                                     |                        |             |
| 1.4             | 256QAM     | 1       | 5       | 18.65     | 18.66                              | 18.71                                 |                                     |                        |             |
| 1.4             | 256QAM     | 3       | 0       | 18.57     | 18.65                              | 18.55                                 |                                     |                        |             |
| 1.4             | 256QAM     | 3       | 1       | 18.45     | 18.69                              | 18.53                                 | 20                                  | 5                      |             |
| 1.4             | 256QAM     | 3       | 3       | 18.56     | 18.71                              | 18.61                                 |                                     |                        |             |
| 1.4             | 256QAM     | 6       | 0       | 18.59     | 18.72                              | 18.61                                 |                                     |                        |             |
| 1.4             | 256QAM     | 6       | 0       | 18.59     | 18.72                              | 18.61                                 |                                     |                        |             |
| 1.4             | 256QAM     | 6       | 0       | 18.59     | 18.72                              | 18.61                                 |                                     |                        |             |

## Band 7\_Ant 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         |            |         |           |                          |                             |                           |                        |             |                     |          |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |                     |          |
| 20              | QPSK       | 1       | 0         | 20850                    | 21100                       | 21350                     | 20.5                   | 0           |                     |          |
| 20              | QPSK       | 1       | 49        | 19.61                    | 19.73                       | 19.67                     |                        |             |                     |          |
| 20              | QPSK       | 1       | 99        | 19.70                    | 19.78                       | 19.81                     |                        |             |                     |          |
| 20              | QPSK       | 50      | 0         | 19.65                    | 19.72                       | 19.71                     |                        |             |                     |          |
| 20              | QPSK       | 50      | 24        | 19.61                    | 19.74                       | 19.70                     |                        |             |                     |          |
| 20              | QPSK       | 50      | 50        | 19.68                    | 19.77                       | 19.78                     | 20.5                   | 0           |                     |          |
| 20              | QPSK       | 100     | 0         | 19.59                    | 19.70                       | 19.74                     |                        |             |                     |          |
| 20              | 16QAM      | 1       | 0         | 19.59                    | 19.74                       | 19.65                     |                        |             |                     |          |
| 20              | 16QAM      | 1       | 49        | 19.68                    | 19.74                       | 19.62                     |                        |             |                     |          |
| 20              | 16QAM      | 1       | 99        | 19.70                    | 19.75                       | 19.72                     |                        |             |                     |          |
| 20              | 16QAM      | 50      | 0         | 19.64                    | 19.73                       | 19.64                     | 20.5                   | 0           |                     |          |
| 20              | 16QAM      | 50      | 24        | 19.64                    | 19.70                       | 19.69                     |                        |             |                     |          |
| 20              | 16QAM      | 50      | 50        | 19.71                    | 19.72                       | 19.64                     |                        |             |                     |          |
| 20              | 16QAM      | 100     | 0         | 19.71                    | 19.78                       | 19.65                     |                        |             |                     |          |
| 20              | 64QAM      | 1       | 0         | 19.61                    | 19.78                       | 19.68                     | 20.5                   | 0           |                     |          |
| 20              | 64QAM      | 1       | 49        | 19.61                    | 19.71                       | 19.72                     |                        |             |                     |          |
| 20              | 64QAM      | 99      | 0         | 19.66                    | 19.79                       | 19.62                     |                        |             |                     |          |
| 20              | 64QAM      | 50      | 0         | 19.68                    | 19.75                       | 19.69                     |                        |             |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.62                    | 19.77                       | 19.61                     |                        |             |                     |          |
| 20              | 64QAM      | 50      | 50        | 19.58                    | 19.74                       | 19.61                     | 20.5                   | 0           |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.64                    | 19.70                       | 19.69                     |                        |             |                     |          |
| 20              | 256QAM     | 1       | 0         | 17.66                    | 17.74                       | 17.64                     |                        |             |                     |          |
| 20              | 256QAM     | 1       | 49        | 17.63                    | 17.79                       | 17.65                     |                        |             |                     |          |
| 20              | 256QAM     | 1       | 99        | 17.59                    | 17.64                       | 17.56                     |                        |             |                     |          |
| 20              | 256QAM     | 50      | 0         | 17.69                    | 17.69                       | 17.65                     | 18.5                   | 2           |                     |          |
| 20              | 256QAM     | 50      | 24        | 17.64                    | 17.83                       | 17.60                     |                        |             |                     |          |
| 20              | 256QAM     | 50      | 50        | 17.68                    | 17.85                       | 17.74                     |                        |             |                     |          |
| 20              | 256QAM     | 100     | 0         | 17.73                    | 17.81                       | 17.68                     |                        |             |                     |          |
| 20              | 256QAM     | 100     | 0         | 20825                    | 21100                       | 21375                     |                        |             | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                          |                             |                           |                        |             |                     |          |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |                     |          |
| 15              | QPSK       | 1       | 0         | 19.68                    | 19.73                       | 19.62                     | 20.5                   | 0           |                     |          |
| 15              | QPSK       | 1       | 37        | 19.69                    | 19.78                       | 19.65                     |                        |             |                     |          |
| 15              | QPSK       | 1       | 74        | 19.59                    | 19.73                       | 19.69                     |                        |             |                     |          |
| 15              | QPSK       | 36      | 0         | 19.68                    | 19.78                       | 19.63                     |                        |             |                     |          |
| 15              | QPSK       | 36      | 20        | 19.62                    | 19.78                       | 19.63                     |                        |             |                     |          |
| 15              | QPSK       | 36      | 39        | 19.71                    | 19.77                       | 19.67                     | 20.5                   | 0           |                     |          |
| 15              | QPSK       | 75      | 0         | 19.66                    | 19.78                       | 19.63                     |                        |             |                     |          |
| 15              | 16QAM      | 1       | 0         | 19.58                    | 19.73                       | 19.61                     |                        |             |                     |          |
| 15              | 16QAM      | 1       | 37        | 19.71                    | 19.75                       | 19.61                     |                        |             |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.68                    | 19.79                       | 19.73                     |                        |             |                     |          |
| 15              | 16QAM      | 36      | 0         | 19.65                    | 19.73                       | 19.63                     | 20.5                   | 0           |                     |          |
| 15              | 16QAM      | 36      | 20        | 19.66                    | 19.73                       | 19.73                     |                        |             |                     |          |
| 15              | 16QAM      | 36      | 39        | 19.69                    | 19.73                       | 19.63                     |                        |             |                     |          |
| 15              | 16QAM      | 75      | 0         | 19.65                    | 19.73                       | 19.66                     |                        |             |                     |          |
| 15              | 16QAM      | 1       | 0         | 19.70                    | 19.70                       | 19.65                     |                        |             |                     |          |
| 15              | 64QAM      | 1       | 37        | 19.60                    | 19.74                       | 19.62                     | 20.5                   | 0           |                     |          |
| 15              | 64QAM      | 1       | 74        | 19.70                    | 19.77                       | 19.62                     |                        |             |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.66                    | 19.75                       | 19.61                     |                        |             |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.60                    | 19.70                       | 19.73                     |                        |             |                     |          |
| 15              | 64QAM      | 36      | 39        | 19.62                    | 19.72                       | 19.72                     |                        |             |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.69                    | 19.78                       | 19.60                     | 20.5                   | 0           |                     |          |
| 15              | 256QAM     | 1       | 0         | 17.48                    | 17.49                       | 17.41                     |                        |             |                     |          |
| 15              | 256QAM     | 1       | 37        | 17.46                    | 17.64                       | 17.49                     |                        |             |                     |          |
| 15              | 256QAM     | 1       | 74        | 17.51                    | 17.56                       | 17.48                     |                        |             |                     |          |
| 15              | 256QAM     | 36      | 0         | 17.61                    | 17.61                       | 17.47                     |                        |             |                     |          |
| 15              | 256QAM     | 36      | 20        | 17.57                    | 17.63                       | 17.48                     | 18.5                   | 2           |                     |          |
| 15              | 256QAM     | 36      | 39        | 17.63                    | 17.69                       | 17.38                     |                        |             |                     |          |
| 15              | 256QAM     | 75      | 0         | 17.41                    | 17.61                       | 17.27                     |                        |             |                     |          |
| 15              | 256QAM     | 75      | 0         | 20800                    | 21100                       | 21400                     |                        |             | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                          |                             |                           |                        |             |                     |          |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |                     |          |
| 10              | QPSK       | 1       | 0         | 19.67                    | 19.72                       | 19.68                     | 20.5                   | 0           |                     |          |
| 10              | QPSK       | 1       | 25        | 19.67                    | 19.77                       | 19.72                     |                        |             |                     |          |
| 10              | QPSK       | 48      | 0         | 19.65                    | 19.73                       | 19.70                     |                        |             |                     |          |
| 10              | QPSK       | 25      | 0         | 19.67                    | 19.71                       | 19.65                     |                        |             |                     |          |
| 10              | QPSK       | 25      | 12        | 19.68                    | 19.71                       | 19.65                     |                        |             |                     |          |
| 10              | QPSK       | 25      | 39        | 19.65                    | 19.78                       | 19.65                     | 20.5                   | 0           |                     |          |
| 10              | QPSK       | 50      | 0         | 19.66                    | 19.75                       | 19.60                     |                        |             |                     |          |
| 10              | 16QAM      | 1       | 0         | 19.64                    | 19.73                       | 19.64                     |                        |             |                     |          |
| 10              | 16QAM      | 1       | 25        | 19.65                    | 19.73                       | 19.64                     |                        |             |                     |          |
| 10              | 16QAM      | 1       | 48        | 19.69                    | 19.77                       | 19.71                     |                        |             |                     |          |
| 10              | 16QAM      | 1       | 75        | 19.58                    | 19.75                       | 19.70                     | 20.5                   | 0           |                     |          |
| 10              | 16QAM      | 25      | 12        | 19.68                    | 19.70                       | 19.60                     |                        |             |                     |          |
| 10              | 16QAM      | 25      | 25        | 19.66                    | 19.75                       | 19.65                     |                        |             |                     |          |
| 10              | 16QAM      | 50      | 0         | 19.66                    | 19.73                       | 19.61                     |                        |             |                     |          |
| 10              | 64QAM      | 1       | 0         | 19.60                    | 19.71                       | 19.62                     |                        |             |                     |          |
| 10              | 64QAM      | 1       | 25        | 19.65                    | 19.72                       | 19.62                     | 20.5                   | 0           |                     |          |
| 10              | 64QAM      | 1       | 48        | 19.66                    | 19.75                       | 19.60                     |                        |             |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.69                    | 19.75                       | 19.65                     |                        |             |                     |          |
| 10              | 64QAM      | 25      | 39        | 19.66                    | 19.79                       | 19.66                     |                        |             |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.63                    | 19.73                       | 19.63                     |                        |             |                     |          |
| 10              | 64QAM      | 25      | 25        | 19.63                    | 19.70                       | 19.72                     | 20.5                   | 0           |                     |          |
| 10              | 64QAM      | 50      | 0         | 19.63                    | 19.75                       | 19.72                     |                        |             |                     |          |
| 10              | 256QAM     | 1       | 0         | 17.48                    | 17.48                       | 17.45                     |                        |             |                     |          |
| 10              | 256QAM     | 1       | 25        | 17.54                    | 17.63                       | 17.59                     |                        |             |                     |          |
| 10              | 256QAM     | 48      | 0         | 17.40                    | 17.62                       | 17.43                     |                        |             |                     |          |
| 10              | 256QAM     | 25      | 12        | 17.53                    | 17.63                       | 17.42                     | 18.5                   | 2           |                     |          |
| 10              | 256QAM     | 25      | 25        | 17.55                    | 17.71                       | 17.49                     |                        |             |                     |          |
| 10              | 256QAM     | 25      | 39        | 17.48                    | 17.58                       | 17.46                     |                        |             |                     |          |
| 10              | 256QAM     | 50      | 0         | 17.48                    | 17.58                       | 17.46                     |                        |             |                     |          |
| 10              | 256QAM     | 50      | 0         | 20775                    | 21100                       | 21425                     |                        |             | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                          |                             |                           |                        |             |                     |          |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |                     |          |
| 5               | QPSK       | 1       | 0         | 19.70                    | 19.78                       | 19.69                     | 20.5                   | 0           |                     |          |
| 5               | QPSK       | 1       | 12        | 19.61                    | 19.75                       | 19.60                     |                        |             |                     |          |
| 5               | QPSK       | 24      | 0         | 19.60                    | 19.71                       | 19.68                     |                        |             |                     |          |
| 5               | QPSK       | 12      | 0         | 19.68                    | 19.73                       | 19.63                     |                        |             |                     |          |
| 5               | QPSK       | 12      | 7         | 19.61                    | 19.75                       | 19.64                     |                        |             |                     |          |
| 5               | QPSK       | 12      | 13        | 19.67                    | 19.75                       | 19.65                     | 20.5                   | 0           |                     |          |
| 5               | QPSK       | 25      | 0         | 19.64                    | 19.78                       | 19.72                     |                        |             |                     |          |
| 5               | 16QAM      | 1       | 0         | 19.64                    | 19.73                       | 19.65                     |                        |             |                     |          |
| 5               | 16QAM      | 1       | 12        | 19.68                    | 19.75                       | 19.67                     |                        |             |                     |          |
| 5               | 16QAM      | 1       | 24        | 19.58                    | 19.75                       | 19.68                     |                        |             |                     |          |
| 5               | 16QAM      | 1       | 36        | 19.68                    | 19.75                       | 19.67                     | 20.5                   | 0           |                     |          |
| 5               | 16QAM      | 12      | 7         | 19.67                    | 19.72                       | 19.67                     |                        |             |                     |          |
| 5               | 16QAM      | 12      | 13        | 19.66                    | 19.74                       | 19.63                     |                        |             |                     |          |
| 5               | 16QAM      | 25      | 0         | 19.58                    | 19.73                       | 19.67                     |                        |             |                     |          |
| 5               | 64QAM      | 1       | 0         | 19.64                    | 19.70                       | 19.72                     |                        |             |                     |          |
| 5               | 64QAM      | 1       | 12        | 19.61                    | 19.73                       | 19.69                     | 20.5                   | 0           |                     |          |
| 5               | 64QAM      | 1       | 24        | 19.58                    | 19.75                       | 19.64                     |                        |             |                     |          |
| 5               | 64QAM      | 12      | 0         | 19.61                    | 19.73                       | 19.67                     |                        |             |                     |          |
| 5               | 64QAM      | 12      | 7         | 19.59                    | 19.73                       | 19.72                     |                        |             |                     |          |
| 5               | 64QAM      | 12      | 13        | 19.63                    | 19.78                       | 19.68                     |                        |             |                     |          |
| 5               | 64QAM      | 25      | 0         | 19.69                    | 19.73                       | 19.72                     | 18.5                   | 2           |                     |          |
| 5               | 256QAM     | 1       | 0         | 17.48                    | 17.48                       | 17.43                     |                        |             |                     |          |
| 5               | 256QAM     | 1       | 12        | 17.50                    | 17.63                       | 17.59                     |                        |             |                     |          |
| 5               | 256QAM     | 24      | 0         | 17.54                    | 17.48                       | 17.50                     |                        |             |                     |          |
| 5               | 256QAM     | 12      | 7         | 17.55                    | 17.64                       | 17.52                     |                        |             |                     |          |
| 5               | 256QAM     | 12      | 13        | 17.47                    | 17.56                       | 17.47                     | 18.5                   | 2           |                     |          |
| 5               | 256QAM     | 25      | 0         | 17.49                    | 17.53                       | 17.47                     |                        |             |                     |          |
| 5               | 256QAM     | 25      | 0         | 20775                    | 21100                       | 21425                     |                        |             | Tune-up limit (dBm) | MPR (dB) |

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| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>23600 | Power Middle<br>Ch. / Freq.<br>23600 | Power High<br>Ch. / Freq.<br>23100 | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|-----------------------|-------------|
| Channel         |            |         |           |                                   |                                      |                                    | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                                   |                                      |                                    |                       |             |
| 10              | QPSK       | 1       | 0         | 24.15                             | 24.15                                | 24.15                              | 25                    | 0           |
| 10              | QPSK       | 1       | 25        | 24.07                             | 24.15                                | 24.03                              |                       |             |
| 10              | QPSK       | 1       | 49        | 24.12                             | 24.07                                | 24.10                              |                       |             |
| 10              | QPSK       | 25      | 0         | 23.10                             | 23.13                                | 23.11                              |                       |             |
| 10              | QPSK       | 25      | 12        | 23.00                             | 23.07                                | 23.09                              | 24                    | 1           |
| 10              | QPSK       | 25      | 25        | 23.09                             | 23.10                                | 23.10                              |                       |             |
| 10              | QPSK       | 50      | 0         | 23.11                             | 23.12                                | 23.11                              |                       |             |
| 10              | 16QAM      | 1       | 0         | 23.30                             | 23.37                                | 23.39                              |                       |             |
| 10              | 16QAM      | 1       | 25        | 23.28                             | 23.32                                | 23.32                              | 24                    | 1           |
| 10              | 16QAM      | 1       | 49        | 23.32                             | 23.46                                | 23.38                              |                       |             |
| 10              | 16QAM      | 25      | 0         | 22.08                             | 22.06                                | 22.09                              |                       |             |
| 10              | 16QAM      | 25      | 12        | 22.02                             | 22.06                                | 22.11                              |                       |             |
| 10              | 16QAM      | 25      | 25        | 22.11                             | 22.12                                | 22.10                              | 23                    | 2           |
| 10              | 16QAM      | 50      | 0         | 22.14                             | 22.02                                | 22.11                              |                       |             |
| 10              | 64QAM      | 1       | 0         | 22.34                             | 22.16                                | 22.35                              |                       |             |
| 10              | 64QAM      | 1       | 25        | 22.25                             | 22.24                                | 22.17                              | 23                    | 2           |
| 10              | 64QAM      | 1       | 49        | 22.28                             | 22.35                                | 22.41                              |                       |             |
| 10              | 64QAM      | 25      | 0         | 21.09                             | 21.09                                | 21.04                              |                       |             |
| 10              | 64QAM      | 25      | 12        | 21.04                             | 21.06                                | 21.08                              |                       |             |
| 10              | 64QAM      | 25      | 25        | 21.14                             | 21.08                                | 21.12                              | 22                    | 3           |
| 10              | 64QAM      | 50      | 0         | 21.13                             | 21.03                                | 21.12                              |                       |             |
| 10              | 256QAM     | 1       | 0         | 18.69                             | 18.67                                | 18.67                              |                       |             |
| 10              | 256QAM     | 1       | 25        | 18.63                             | 18.70                                | 18.50                              |                       |             |
| 10              | 256QAM     | 1       | 49        | 18.60                             | 18.47                                | 18.68                              | 20                    | 5           |
| 10              | 256QAM     | 25      | 0         | 18.55                             | 18.79                                | 18.74                              |                       |             |
| 10              | 256QAM     | 25      | 12        | 18.55                             | 18.63                                | 18.58                              |                       |             |
| 10              | 256QAM     | 25      | 25        | 18.74                             | 18.72                                | 18.63                              |                       |             |
| 10              | 256QAM     | 50      | 0         | 18.60                             | 18.72                                | 18.80                              | 20                    | 5           |
| 10              | 256QAM     | 50      | 0         | 18.60                             | 18.72                                | 18.80                              |                       |             |
| Channel         |            |         |           |                                   |                                      |                                    | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                                   |                                      |                                    |                       |             |
| 5               | QPSK       | 1       | 0         | 24.03                             | 24.03                                | 24.03                              | 25                    | 0           |
| 5               | QPSK       | 1       | 12        | 23.94                             | 24.07                                | 23.89                              |                       |             |
| 5               | QPSK       | 1       | 24        | 23.94                             | 23.89                                | 23.99                              |                       |             |
| 5               | QPSK       | 12      | 0         | 23.03                             | 23.04                                | 23.03                              |                       |             |
| 5               | QPSK       | 12      | 7         | 22.89                             | 22.90                                | 23.03                              | 24                    | 1           |
| 5               | QPSK       | 12      | 13        | 23.00                             | 22.99                                | 22.87                              |                       |             |
| 5               | QPSK       | 25      | 0         | 23.97                             | 23.91                                | 23.98                              |                       |             |
| 5               | 16QAM      | 1       | 0         | 23.15                             | 23.27                                | 23.31                              |                       |             |
| 5               | 16QAM      | 1       | 12        | 23.20                             | 23.15                                | 23.24                              | 24                    | 1           |
| 5               | 16QAM      | 1       | 24        | 23.40                             | 23.38                                | 23.24                              |                       |             |
| 5               | 16QAM      | 12      | 0         | 21.94                             | 21.89                                | 21.90                              |                       |             |
| 5               | 16QAM      | 12      | 7         | 21.94                             | 21.87                                | 21.99                              |                       |             |
| 5               | 16QAM      | 12      | 13        | 21.97                             | 21.96                                | 21.93                              | 23                    | 2           |
| 5               | 16QAM      | 25      | 0         | 22.07                             | 21.84                                | 22.01                              |                       |             |
| 5               | 64QAM      | 1       | 0         | 22.18                             | 22.07                                | 22.27                              |                       |             |
| 5               | 64QAM      | 1       | 12        | 22.13                             | 22.07                                | 22.11                              |                       |             |
| 5               | 64QAM      | 1       | 24        | 22.20                             | 22.21                                | 22.29                              | 23                    | 2           |
| 5               | 64QAM      | 12      | 0         | 21.00                             | 20.96                                | 20.90                              |                       |             |
| 5               | 64QAM      | 12      | 7         | 20.94                             | 20.94                                | 21.02                              |                       |             |
| 5               | 64QAM      | 12      | 13        | 20.97                             | 20.96                                | 21.06                              |                       |             |
| 5               | 256QAM     | 1       | 0         | 18.53                             | 18.44                                | 18.59                              | 20                    | 5           |
| 5               | 256QAM     | 1       | 12        | 18.75                             | 18.56                                | 18.78                              |                       |             |
| 5               | 256QAM     | 1       | 24        | 18.50                             | 18.31                                | 18.51                              |                       |             |
| 5               | 256QAM     | 12      | 0         | 18.45                             | 18.58                                | 18.66                              |                       |             |
| 5               | 256QAM     | 12      | 7         | 18.74                             | 18.46                                | 18.69                              | 20                    | 5           |
| 5               | 256QAM     | 12      | 13        | 18.62                             | 18.56                                | 18.66                              |                       |             |
| 5               | 256QAM     | 25      | 0         | 18.45                             | 18.60                                | 18.65                              |                       |             |
| 5               | 256QAM     | 25      | 0         | 18.45                             | 18.60                                | 18.65                              |                       |             |
| Channel         |            |         |           |                                   |                                      |                                    | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                                   |                                      |                                    |                       |             |
| 3               | QPSK       | 1       | 0         | 23.97                             | 24.03                                | 24.01                              | 25                    | 0           |
| 3               | QPSK       | 1       | 8         | 24.00                             | 23.97                                | 23.92                              |                       |             |
| 3               | QPSK       | 1       | 14        | 23.99                             | 23.96                                | 24.03                              |                       |             |
| 3               | QPSK       | 8       | 0         | 22.94                             | 23.01                                | 23.02                              |                       |             |
| 3               | QPSK       | 8       | 8         | 22.81                             | 22.90                                | 22.91                              | 24                    | 1           |
| 3               | QPSK       | 8       | 7         | 22.97                             | 23.02                                | 23.02                              |                       |             |
| 3               | QPSK       | 15      | 0         | 23.00                             | 22.96                                | 23.05                              |                       |             |
| 3               | 16QAM      | 1       | 0         | 23.19                             | 23.29                                | 23.33                              |                       |             |
| 3               | 16QAM      | 1       | 8         | 23.12                             | 23.17                                | 23.15                              | 24                    | 1           |
| 3               | 16QAM      | 1       | 14        | 23.48                             | 23.27                                | 23.22                              |                       |             |
| 3               | 16QAM      | 8       | 0         | 21.97                             | 21.86                                | 21.87                              |                       |             |
| 3               | 16QAM      | 8       | 4         | 21.93                             | 21.98                                | 21.97                              |                       |             |
| 3               | 16QAM      | 8       | 7         | 21.98                             | 21.96                                | 21.94                              | 23                    | 2           |
| 3               | 16QAM      | 15      | 0         | 21.99                             | 21.90                                | 21.95                              |                       |             |
| 3               | 64QAM      | 1       | 0         | 22.23                             | 22.06                                | 22.20                              |                       |             |
| 3               | 64QAM      | 1       | 8         | 22.17                             | 22.16                                | 22.05                              |                       |             |
| 3               | 64QAM      | 1       | 14        | 22.13                             | 22.19                                | 22.30                              | 23                    | 2           |
| 3               | 64QAM      | 8       | 0         | 20.97                             | 20.93                                | 20.95                              |                       |             |
| 3               | 64QAM      | 8       | 4         | 20.99                             | 20.96                                | 21.00                              |                       |             |
| 3               | 64QAM      | 8       | 7         | 21.03                             | 20.91                                | 20.97                              |                       |             |
| 3               | 256QAM     | 15      | 0         | 18.51                             | 18.52                                | 18.58                              | 20                    | 5           |
| 3               | 256QAM     | 1       | 0         | 18.77                             | 18.82                                | 18.76                              |                       |             |
| 3               | 256QAM     | 1       | 14        | 18.41                             | 18.26                                | 18.53                              |                       |             |
| 3               | 256QAM     | 8       | 0         | 18.42                             | 18.67                                | 18.67                              |                       |             |
| 3               | 256QAM     | 8       | 4         | 18.76                             | 18.44                                | 18.74                              | 20                    | 5           |
| 3               | 256QAM     | 8       | 7         | 18.61                             | 18.54                                | 18.44                              |                       |             |
| 3               | 256QAM     | 15      | 0         | 18.48                             | 18.61                                | 18.65                              |                       |             |
| 3               | 256QAM     | 15      | 0         | 18.48                             | 18.61                                | 18.65                              |                       |             |
| Channel         |            |         |           |                                   |                                      |                                    | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           |                                   |                                      |                                    |                       |             |
| 1.4             | QPSK       | 1       | 0         | 24.04                             | 24.03                                | 24.05                              | 25                    | 0           |
| 1.4             | QPSK       | 1       | 3         | 23.89                             | 24.00                                | 23.88                              |                       |             |
| 1.4             | QPSK       | 1       | 3         | 23.93                             | 24.01                                | 23.95                              |                       |             |
| 1.4             | QPSK       | 3       | 0         | 24.00                             | 24.04                                | 24.04                              |                       |             |
| 1.4             | QPSK       | 3       | 3         | 23.82                             | 24.06                                | 23.91                              | 24                    | 1           |
| 1.4             | QPSK       | 3       | 3         | 23.95                             | 24.02                                | 23.98                              |                       |             |
| 1.4             | QPSK       | 6       | 0         | 22.96                             | 22.93                                | 22.98                              |                       |             |
| 1.4             | 16QAM      | 1       | 0         | 23.11                             | 23.24                                | 23.32                              |                       |             |
| 1.4             | 16QAM      | 1       | 3         | 23.13                             | 23.18                                | 23.14                              | 24                    | 1           |
| 1.4             | 16QAM      | 1       | 5         | 23.42                             | 23.37                                | 23.27                              |                       |             |
| 1.4             | 16QAM      | 3       | 0         | 22.88                             | 22.84                                | 22.88                              |                       |             |
| 1.4             | 16QAM      | 3       | 1         | 22.91                             | 22.97                                | 23.01                              |                       |             |
| 1.4             | 16QAM      | 3       | 3         | 23.02                             | 22.99                                | 22.97                              | 23                    | 2           |
| 1.4             | 16QAM      | 6       | 0         | 21.99                             | 21.98                                | 22.02                              |                       |             |
| 1.4             | 64QAM      | 1       | 0         | 22.18                             | 22.10                                | 22.23                              |                       |             |
| 1.4             | 64QAM      | 1       | 3         | 22.08                             | 22.12                                | 22.03                              |                       |             |
| 1.4             | 64QAM      | 1       | 5         | 22.13                             | 22.17                                | 22.25                              | 23                    | 2           |
| 1.4             | 64QAM      | 3       | 0         | 21.92                             | 21.96                                | 21.93                              |                       |             |
| 1.4             | 64QAM      | 3       | 1         | 21.96                             | 21.98                                | 21.95                              |                       |             |
| 1.4             | 64QAM      | 3       | 3         | 22.04                             | 22.00                                | 22.06                              |                       |             |
| 1.4             | 64QAM      | 6       | 0         | 21.03                             | 20.95                                | 21.04                              | 22                    | 3           |
| 1.4             | 256QAM     | 1       | 0         | 18.63                             | 18.45                                | 18.57                              |                       |             |
| 1.4             | 256QAM     | 1       | 3         | 18.66                             | 18.64                                | 18.77                              |                       |             |
| 1.4             | 256QAM     | 1       | 5         | 18.50                             | 18.33                                | 18.50                              |                       |             |
| 1.4             | 256QAM     | 3       | 0         | 18.36                             | 18.69                                | 18.58                              | 20                    | 5           |
| 1.4             | 256QAM     | 3       | 1         | 18.67                             | 18.52                                | 18.73                              |                       |             |
| 1.4             | 256QAM     | 3       | 3         | 18.63                             | 18.56                                | 18.51                              |                       |             |
| 1.4             | 256QAM     | 6       | 0         | 18.44                             | 18.53                                | 18.62                              |                       |             |

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| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up Inst (dbm) | MPR (db) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|--------------------|----------|
| Channel         |            |         |           |                          |                             |                           | Tune-up Inst (dbm) | MPR (db) |
| Frequency (MHz) |            |         |           |                          |                             |                           |                    |          |
| 10              | QPSK       | 1       | 0         | 24.00                    | 24.00                       | 24.00                     | 25                 | 0        |
| 10              | QPSK       | 1       | 25        | 24.07                    | 24.07                       | 24.07                     |                    |          |
| 10              | QPSK       | 1       | 49        | 24.08                    | 24.08                       | 24.08                     |                    |          |
| 10              | QPSK       | 25      | 0         | 23.07                    | 23.07                       | 23.07                     |                    |          |
| 10              | QPSK       | 25      | 12        | 23.03                    | 23.03                       | 23.03                     | 24                 | 1        |
| 10              | QPSK       | 25      | 25        | 23.05                    | 23.05                       | 23.05                     |                    |          |
| 10              | QPSK       | 50      | 0         | 23.06                    | 23.06                       | 23.06                     |                    |          |
| 10              | 16QAM      | 1       | 0         | 23.42                    | 23.42                       | 23.42                     |                    |          |
| 10              | 16QAM      | 1       | 25        | 23.34                    | 23.34                       | 23.35                     | 24                 | 1        |
| 10              | 16QAM      | 1       | 49        | 23.35                    | 23.35                       | 23.35                     |                    |          |
| 10              | 16QAM      | 25      | 0         | 22.03                    | 22.03                       | 22.03                     |                    |          |
| 10              | 16QAM      | 25      | 12        | 22.06                    | 22.06                       | 22.06                     |                    |          |
| 10              | 16QAM      | 25      | 25        | 22.10                    | 22.10                       | 22.10                     | 23                 | 2        |
| 10              | 16QAM      | 50      | 0         | 22.08                    | 22.08                       | 22.08                     |                    |          |
| 10              | 64QAM      | 1       | 0         | 22.23                    | 22.23                       | 22.23                     |                    |          |
| 10              | 64QAM      | 1       | 25        | 22.15                    | 22.15                       | 22.15                     | 23                 | 2        |
| 10              | 64QAM      | 1       | 49        | 22.30                    | 22.30                       | 22.30                     |                    |          |
| 10              | 64QAM      | 25      | 0         | 21.06                    | 21.06                       | 21.06                     |                    |          |
| 10              | 64QAM      | 25      | 12        | 21.05                    | 21.05                       | 21.05                     |                    |          |
| 10              | 64QAM      | 25      | 25        | 21.07                    | 21.07                       | 21.07                     | 22                 | 3        |
| 10              | 64QAM      | 50      | 0         | 21.06                    | 21.06                       | 21.06                     | 20                 | 5        |
| 10              | 256QAM     | 1       | 0         | 18.44                    | 18.44                       | 18.44                     |                    |          |
| 10              | 256QAM     | 1       | 25        | 18.63                    | 18.63                       | 18.63                     |                    |          |
| 10              | 256QAM     | 1       | 49        | 18.34                    | 18.34                       | 18.34                     |                    |          |
| 10              | 256QAM     | 25      | 0         | 18.60                    | 18.60                       | 18.60                     | 20                 | 5        |
| 10              | 256QAM     | 25      | 12        | 18.40                    | 18.40                       | 18.40                     |                    |          |
| 10              | 256QAM     | 25      | 25        | 18.57                    | 18.57                       | 18.57                     |                    |          |
| 10              | 256QAM     | 50      | 0         | 18.54                    | 18.54                       | 18.54                     |                    |          |
| Channel         |            |         |           |                          |                             |                           | Tune-up Inst (dbm) | MPR (db) |
| Frequency (MHz) |            |         |           |                          |                             |                           |                    |          |
| 5               | QPSK       | 1       | 0         | 23.00                    | 23.00                       | 23.00                     | 25                 | 0        |
| 5               | QPSK       | 1       | 12        | 23.03                    | 23.03                       | 23.03                     |                    |          |
| 5               | QPSK       | 1       | 24        | 23.03                    | 23.03                       | 23.06                     |                    |          |
| 5               | QPSK       | 12      | 0         | 22.50                    | 22.50                       | 23.01                     |                    |          |
| 5               | QPSK       | 12      | 7         | 22.84                    | 22.87                       | 22.87                     | 24                 | 1        |
| 5               | QPSK       | 12      | 13        | 22.86                    | 22.87                       | 22.87                     |                    |          |
| 5               | QPSK       | 25      | 0         | 22.81                    | 22.89                       | 22.90                     |                    |          |
| 5               | 16QAM      | 1       | 0         | 23.33                    | 23.31                       | 23.33                     |                    |          |
| 5               | 16QAM      | 1       | 0         | 23.17                    | 23.39                       | 23.23                     | 24                 | 1        |
| 5               | 16QAM      | 1       | 24        | 23.22                    | 23.16                       | 23.21                     |                    |          |
| 5               | 16QAM      | 12      | 7         | 21.84                    | 21.99                       | 21.96                     |                    |          |
| 5               | 16QAM      | 12      | 7         | 21.52                    | 21.97                       | 22.00                     |                    |          |
| 5               | 16QAM      | 12      | 13        | 21.96                    | 21.94                       | 22.01                     | 23                 | 2        |
| 5               | 256QAM     | 25      | 0         | 21.97                    | 22.00                       | 22.02                     |                    |          |
| 5               | 64QAM      | 1       | 0         | 22.13                    | 22.14                       | 22.13                     |                    |          |
| 5               | 64QAM      | 1       | 12        | 22.07                    | 22.05                       | 22.05                     |                    |          |
| 5               | 64QAM      | 24      | 0         | 22.20                    | 22.20                       | 22.17                     | 23                 | 2        |
| 5               | 64QAM      | 12      | 0         | 21.00                    | 20.91                       | 20.96                     |                    |          |
| 5               | 64QAM      | 12      | 7         | 20.88                    | 20.91                       | 20.88                     |                    |          |
| 5               | 64QAM      | 12      | 13        | 20.10                    | 20.91                       | 20.94                     |                    |          |
| 5               | 64QAM      | 25      | 0         | 21.00                    | 20.89                       | 21.00                     | 22                 | 3        |
| 5               | 256QAM     | 1       | 0         | 18.34                    | 18.34                       | 18.34                     |                    |          |
| 5               | 256QAM     | 1       | 12        | 18.47                    | 18.53                       | 18.46                     |                    |          |
| 5               | 256QAM     | 1       | 24        | 18.28                    | 18.17                       | 18.17                     |                    |          |
| 5               | 256QAM     | 12      | 0         | 18.45                    | 18.45                       | 18.51                     | 20                 | 5        |
| 5               | 256QAM     | 12      | 7         | 18.35                    | 18.32                       | 18.34                     |                    |          |
| 5               | 256QAM     | 12      | 13        | 18.51                    | 18.38                       | 18.41                     |                    |          |
| 5               | 256QAM     | 25      | 0         | 18.39                    | 18.43                       | 18.40                     |                    |          |

Band 17\_Ant 0

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq. | Power Middle<br>Ch. Freq. | Power High<br>Ch. Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|------------------------|-------------|
| Channel         |            |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |           |                        |                           |                         |                        |             |
| 10              | QPSK       | 1       | 0         | 23.74                  | 23.76                     | 23.76                   | 25                     | 0           |
| 10              | QPSK       | 1       | 26        | 23.60                  | 23.70                     | 23.68                   |                        |             |
| 10              | QPSK       | 1       | 49        | 23.70                  | 23.73                     | 23.71                   |                        |             |
| 10              | QPSK       | 25      | 0         | 22.62                  | 22.70                     | 22.69                   |                        |             |
| 10              | QPSK       | 25      | 12        | 22.60                  | 22.67                     | 22.67                   |                        |             |
| 10              | QPSK       | 25      | 25        | 22.60                  | 22.66                     | 22.66                   | 24                     | 1           |
| 10              | QPSK       | 50      | 0         | 22.61                  | 22.67                     | 22.63                   |                        |             |
| 10              | 16QAM      | 1       | 0         | 23.00                  | 22.98                     | 22.97                   |                        |             |
| 10              | 16QAM      | 1       | 26        | 22.92                  | 22.99                     | 23.01                   |                        |             |
| 10              | 16QAM      | 1       | 49        | 23.09                  | 23.07                     | 23.07                   |                        |             |
| 10              | 16QAM      | 25      | 0         | 21.60                  | 21.60                     | 21.60                   | 24                     | 1           |
| 10              | 16QAM      | 25      | 12        | 21.64                  | 21.68                     | 21.65                   |                        |             |
| 10              | 16QAM      | 25      | 25        | 21.64                  | 21.68                     | 21.68                   |                        |             |
| 10              | 16QAM      | 50      | 0         | 21.60                  | 21.63                     | 21.66                   |                        |             |
| 10              | 64QAM      | 1       | 0         | 21.90                  | 21.95                     | 21.87                   |                        |             |
| 10              | 64QAM      | 1       | 26        | 21.70                  | 21.87                     | 21.95                   | 23                     | 2           |
| 10              | 64QAM      | 1       | 49        | 21.98                  | 22.05                     | 22.03                   |                        |             |
| 10              | 64QAM      | 25      | 0         | 20.60                  | 20.60                     | 20.64                   |                        |             |
| 10              | 64QAM      | 25      | 12        | 20.66                  | 20.68                     | 20.68                   |                        |             |
| 10              | 64QAM      | 25      | 25        | 20.64                  | 20.69                     | 20.69                   |                        |             |
| 10              | 64QAM      | 50      | 0         | 20.60                  | 20.64                     | 20.65                   | 22                     | 3           |
| 10              | 256QAM     | 1       | 0         | 18.68                  | 18.60                     | 18.60                   |                        |             |
| 10              | 256QAM     | 1       | 26        | 18.62                  | 18.67                     | 18.58                   |                        |             |
| 10              | 256QAM     | 1       | 49        | 18.63                  | 18.60                     | 18.65                   |                        |             |
| 10              | 256QAM     | 25      | 0         | 18.61                  | 18.62                     | 18.70                   |                        |             |
| 10              | 256QAM     | 25      | 12        | 18.77                  | 18.66                     | 18.63                   | 20                     | 5           |
| 10              | 256QAM     | 25      | 25        | 18.70                  | 18.63                     | 18.69                   |                        |             |
| 10              | 256QAM     | 50      | 0         | 18.61                  | 18.68                     | 18.72                   |                        |             |
| Channel         |            |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |           |                        |                           |                         |                        |             |
| 5               | QPSK       | 1       | 0         | 23.60                  | 23.65                     | 23.64                   | 25                     | 0           |
| 5               | QPSK       | 1       | 12        | 23.62                  | 23.69                     | 23.76                   |                        |             |
| 5               | QPSK       | 1       | 24        | 23.60                  | 23.65                     | 23.74                   |                        |             |
| 5               | QPSK       | 12      | 0         | 22.60                  | 22.67                     | 22.72                   |                        |             |
| 5               | QPSK       | 12      | 0         | 22.60                  | 22.69                     | 22.70                   |                        |             |
| 5               | QPSK       | 12      | 13        | 22.65                  | 22.68                     | 22.74                   | 24                     | 1           |
| 5               | QPSK       | 25      | 0         | 22.63                  | 22.67                     | 22.77                   |                        |             |
| 5               | 16QAM      | 1       | 0         | 22.89                  | 23.03                     | 23.02                   |                        |             |
| 5               | 16QAM      | 1       | 12        | 22.92                  | 23.03                     | 23.11                   |                        |             |
| 5               | 16QAM      | 1       | 24        | 23.01                  | 23.06                     | 23.02                   |                        | 24          |
| 5               | 16QAM      | 12      | 0         | 21.61                  | 21.72                     | 21.77                   |                        |             |
| 5               | 16QAM      | 12      | 7         | 21.65                  | 21.68                     | 21.74                   |                        |             |
| 5               | 16QAM      | 12      | 13        | 21.70                  | 21.72                     | 21.72                   |                        |             |
| 5               | 16QAM      | 25      | 0         | 21.66                  | 21.64                     | 21.75                   |                        |             |
| 5               | 64QAM      | 1       | 0         | 21.93                  | 21.92                     | 21.85                   | 23                     | 2           |
| 5               | 64QAM      | 1       | 12        | 21.71                  | 21.85                     | 21.85                   |                        |             |
| 5               | 64QAM      | 1       | 24        | 21.80                  | 21.77                     | 21.88                   |                        |             |
| 5               | 64QAM      | 12      | 0         | 20.65                  | 20.72                     | 20.80                   |                        |             |
| 5               | 64QAM      | 12      | 7         | 20.73                  | 20.73                     | 20.75                   |                        |             |
| 5               | 64QAM      | 12      | 13        | 20.73                  | 20.72                     | 20.76                   | 22                     | 3           |
| 5               | 64QAM      | 25      | 0         | 20.60                  | 20.65                     | 20.75                   |                        |             |
| 5               | 256QAM     | 1       | 0         | 18.62                  | 18.63                     | 18.60                   |                        |             |
| 5               | 256QAM     | 1       | 12        | 18.69                  | 18.67                     | 18.81                   |                        |             |
| 5               | 256QAM     | 1       | 24        | 18.66                  | 18.60                     | 18.66                   | 20                     | 5           |
| 5               | 256QAM     | 12      | 0         | 18.63                  | 18.65                     | 18.68                   |                        |             |
| 5               | 256QAM     | 12      | 7         | 18.64                  | 18.60                     | 18.68                   |                        |             |
| 5               | 256QAM     | 12      | 13        | 18.68                  | 18.60                     | 18.64                   |                        |             |
| 5               | 256QAM     | 25      | 0         | 18.63                  | 18.66                     | 18.66                   |                        |             |

Band 25\_Ant 2

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>26140 | Power Middle<br>Ch. Freq.<br>26340 | Power High<br>Ch. Freq.<br>26590 | Tune-up limit<br>(dBm) | MPR<br>(dB) |   |  |
|-----------------|------------|---------|-----------|---------------------------------|------------------------------------|----------------------------------|------------------------|-------------|---|--|
| Channel         |            |         |           |                                 |                                    |                                  |                        |             |   |  |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                        |             |   |  |
| 20              | QPSK       | 1       | 0         | 18.60                           | 18.60                              | 18.65                            | 23.5                   | 0           |   |  |
| 20              | QPSK       | 1       | 49        | 22.66                           | 22.69                              | 22.64                            |                        |             |   |  |
| 20              | QPSK       | 1       | 99        | 22.65                           | 22.76                              | 22.78                            |                        |             |   |  |
| 20              | QPSK       | 50      | 0         | 22.60                           | 22.63                              | 22.77                            |                        |             |   |  |
| 20              | QPSK       | 50      | 24        | 22.71                           | 22.73                              | 22.65                            |                        |             |   |  |
| 20              | QPSK       | 50      | 50        | 22.62                           | 22.75                              | 22.78                            | 23.5                   | 0           |   |  |
| 20              | QPSK       | 100     | 0         | 22.69                           | 22.78                              | 22.77                            |                        |             |   |  |
| 20              | 16QAM      | 1       | 0         | 22.68                           | 22.78                              | 22.65                            |                        |             |   |  |
| 20              | 16QAM      | 1       | 49        | 22.77                           | 22.75                              | 22.72                            |                        |             |   |  |
| 20              | 16QAM      | 1       | 99        | 22.74                           | 22.73                              | 22.65                            |                        |             |   |  |
| 20              | 16QAM      | 50      | 0         | 22.11                           | 22.15                              | 22.14                            | 22.5                   | 1           |   |  |
| 20              | 16QAM      | 50      | 24        | 22.10                           | 22.12                              | 22.18                            |                        |             |   |  |
| 20              | 16QAM      | 50      | 50        | 22.10                           | 22.05                              | 22.12                            |                        |             |   |  |
| 20              | 16QAM      | 50      | 50        | 22.10                           | 22.05                              | 22.12                            |                        |             |   |  |
| 20              | 16QAM      | 100     | 0         | 22.10                           | 22.09                              | 22.13                            |                        |             |   |  |
| 20              | 64QAM      | 1       | 0         | 22.26                           | 22.24                              | 22.34                            | 22.5                   | 1           |   |  |
| 20              | 64QAM      | 1       | 49        | 22.27                           | 22.37                              | 22.32                            |                        |             |   |  |
| 20              | 64QAM      | 1       | 99        | 22.22                           | 22.11                              | 22.22                            |                        |             |   |  |
| 20              | 64QAM      | 50      | 0         | 21.13                           | 21.16                              | 21.12                            |                        |             |   |  |
| 20              | 64QAM      | 50      | 24        | 21.10                           | 21.12                              | 21.17                            |                        | 21.5        | 2 |  |
| 20              | 64QAM      | 50      | 50        | 21.12                           | 21.08                              | 21.10                            |                        |             |   |  |
| 20              | 64QAM      | 100     | 0         | 21.11                           | 21.11                              | 21.14                            |                        |             |   |  |
| 20              | 256QAM     | 1       | 0         | 18.82                           | 18.74                              | 18.77                            | 19.5                   | 4           |   |  |
| 20              | 256QAM     | 1       | 49        | 18.77                           | 18.69                              | 18.68                            |                        |             |   |  |
| 20              | 256QAM     | 1       | 99        | 18.69                           | 18.63                              | 18.77                            |                        |             |   |  |
| 20              | 256QAM     | 50      | 0         | 18.69                           | 18.85                              | 18.81                            |                        |             |   |  |
| 20              | 256QAM     | 50      | 24        | 18.62                           | 18.77                              | 18.84                            |                        |             |   |  |
| 20              | 256QAM     | 50      | 50        | 18.67                           | 18.63                              | 18.70                            | 19.5                   | 4           |   |  |
| 20              | 256QAM     | 100     | 0         | 18.71                           | 18.83                              | 18.89                            |                        |             |   |  |
| Channel         |            |         |           |                                 |                                    |                                  |                        |             |   |  |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                        |             |   |  |
| 15              | QPSK       | 1       | 0         | 18.67.5                         | 18.60                              | 18.67.5                          | 23.5                   | 0           |   |  |
| 15              | QPSK       | 1       | 49        | 22.86                           | 22.83                              | 22.81                            |                        |             |   |  |
| 15              | QPSK       | 1       | 74        | 22.84                           | 22.73                              | 22.88                            |                        |             |   |  |
| 15              | QPSK       | 36      | 36        | 22.78                           | 22.75                              | 22.73                            |                        |             |   |  |
| 15              | QPSK       | 36      | 36        | 22.78                           | 22.70                              | 22.82                            |                        |             |   |  |
| 15              | QPSK       | 36      | 38        | 22.89                           | 22.75                              | 22.82                            | 23.5                   | 0           |   |  |
| 15              | QPSK       | 36      | 38        | 22.78                           | 22.77                              | 22.78                            |                        |             |   |  |
| 15              | 16QAM      | 1       | 0         | 22.70                           | 22.78                              | 22.65                            |                        |             |   |  |
| 15              | 16QAM      | 1       | 37        | 22.68                           | 22.70                              | 22.65                            |                        |             |   |  |
| 15              | 16QAM      | 1       | 74        | 22.62                           | 22.74                              | 22.68                            |                        |             |   |  |
| 15              | 16QAM      | 36      | 0         | 22.04                           | 22.08                              | 22.01                            | 22.5                   | 1           |   |  |
| 15              | 16QAM      | 36      | 20        | 22.02                           | 21.94                              | 22.04                            |                        |             |   |  |
| 15              | 16QAM      | 36      | 38        | 21.92                           | 21.98                              | 21.98                            |                        |             |   |  |
| 15              | 16QAM      | 75      | 0         | 22.03                           | 21.90                              | 21.94                            |                        |             |   |  |
| 15              | 64QAM      | 1       | 0         | 22.17                           | 22.17                              | 22.27                            |                        |             |   |  |
| 15              | 64QAM      | 1       | 20        | 22.08                           | 22.18                              | 22.16                            | 22.5                   | 1           |   |  |
| 15              | 64QAM      | 1       | 74        | 22.10                           | 21.98                              | 22.10                            |                        |             |   |  |
| 15              | 64QAM      | 36      | 0         | 21.97                           | 20.98                              | 21.04                            |                        |             |   |  |
| 15              | 64QAM      | 36      | 38        | 20.97                           | 21.00                              | 21.10                            |                        |             |   |  |
| 15              | 64QAM      | 36      | 38        | 20.94                           | 20.88                              | 21.02                            |                        | 21.5        | 2 |  |
| 15              | 64QAM      | 75      | 0         | 20.92                           | 20.93                              | 21.06                            |                        |             |   |  |
| 15              | 256QAM     | 1       | 0         | 18.72                           | 18.60                              | 18.61                            | 19.5                   | 4           |   |  |
| 15              | 256QAM     | 1       | 37        | 18.76                           | 18.68                              | 18.98                            |                        |             |   |  |
| 15              | 256QAM     | 1       | 74        | 18.62                           | 18.62                              | 18.65                            |                        |             |   |  |
| 15              | 256QAM     | 36      | 0         | 18.52                           | 18.77                              | 18.70                            |                        |             |   |  |
| 15              | 256QAM     | 36      | 20        | 18.78                           | 18.70                              | 18.83                            |                        |             |   |  |
| 15              | 256QAM     | 36      | 38        | 18.77                           | 18.73                              | 18.80                            | 19.5                   | 4           |   |  |
| 15              | 256QAM     | 75      | 0         | 18.58                           | 18.73                              | 18.70                            |                        |             |   |  |
| Channel         |            |         |           |                                 |                                    |                                  |                        |             |   |  |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                        |             |   |  |
| 10              | QPSK       | 1       | 0         | 22.82                           | 22.95                              | 22.85                            | 23.5                   | 0           |   |  |
| 10              | QPSK       | 1       | 49        | 22.81                           | 22.88                              | 22.83                            |                        |             |   |  |
| 10              | QPSK       | 1       | 49        | 22.58                           | 22.69                              | 22.67                            |                        |             |   |  |
| 10              | QPSK       | 25      | 0         | 22.85                           | 22.80                              | 22.79                            |                        |             |   |  |
| 10              | QPSK       | 25      | 12        | 22.83                           | 22.65                              | 22.65                            |                        |             |   |  |
| 10              | QPSK       | 25      | 25        | 22.61                           | 22.67                              | 22.62                            | 23.5                   | 0           |   |  |
| 10              | QPSK       | 50      | 0         | 22.63                           | 22.71                              | 22.80                            |                        |             |   |  |
| 10              | 16QAM      | 1       | 1         | 22.67                           | 22.73                              | 22.64                            |                        |             |   |  |
| 10              | 16QAM      | 1       | 26        | 22.68                           | 22.70                              | 22.75                            |                        |             |   |  |
| 10              | 16QAM      | 1       | 49        | 22.01                           | 22.78                              | 22.65                            |                        |             |   |  |
| 10              | 16QAM      | 25      | 0         | 22.01                           | 22.81                              | 22.06                            | 22.5                   | 1           |   |  |
| 10              | 16QAM      | 25      | 12        | 22.00                           | 21.95                              | 22.04                            |                        |             |   |  |
| 10              | 16QAM      | 25      | 25        | 22.01                           | 21.82                              | 21.97                            |                        |             |   |  |
| 10              | 16QAM      | 50      | 0         | 22.02                           | 22.02                              | 21.98                            |                        |             |   |  |
| 10              | 64QAM      | 1       | 0         | 22.08                           | 22.11                              | 22.25                            |                        |             |   |  |
| 10              | 64QAM      | 1       | 26        | 22.12                           | 22.09                              | 22.23                            | 22.5                   | 1           |   |  |
| 10              | 64QAM      | 1       | 49        | 22.10                           | 21.95                              | 22.04                            |                        |             |   |  |
| 10              | 64QAM      | 25      | 0         | 20.98                           | 21.02                              | 20.94                            |                        |             |   |  |
| 10              | 64QAM      | 25      | 12        | 21.01                           | 21.01                              | 20.98                            |                        |             |   |  |

Band 26\_Ant 0

| BW (MHz)        | Modulation | Ch. Freq | RB Size | RB Offset | Power Low<br>Ch. Freq<br>26765 | Power Middle<br>Ch. Freq<br>26965 | Power High<br>Ch. Freq<br>26965 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|----------|---------|-----------|--------------------------------|-----------------------------------|---------------------------------|------------------------|-------------|
| Channel         |            |          |         |           |                                |                                   |                                 |                        |             |
| Frequency (MHz) |            |          |         |           |                                |                                   |                                 |                        |             |
| 15              | QPSK       | 1        | 0       | 24.13     | 24.17                          | 24.21                             | 25                              | 0                      |             |
| 15              | QPSK       | 1        | 37      | 24.11     | 24.17                          | 24.01                             |                                 |                        |             |
| 15              | QPSK       | 1        | 74      | 24.02     | 24.02                          | 24.08                             |                                 |                        |             |
| 15              | QPSK       | 36       | 0       | 23.00     | 23.00                          | 23.00                             | 24                              | 1                      |             |
| 15              | QPSK       | 36       | 20      | 22.91     | 23.00                          | 22.99                             |                                 |                        |             |
| 15              | QPSK       | 36       | 39      | 22.98     | 23.00                          | 22.96                             |                                 |                        |             |
| 15              | QPSK       | 75       | 0       | 23.03     | 23.04                          | 22.98                             | 23                              | 2                      |             |
| 15              | 16QAM      | 1        | 0       | 23.08     | 23.24                          | 23.16                             |                                 |                        |             |
| 15              | 16QAM      | 1        | 37      | 23.12     | 23.30                          | 23.32                             |                                 |                        |             |
| 15              | 16QAM      | 1        | 74      | 23.21     | 23.27                          | 23.19                             | 24                              | 1                      |             |
| 15              | 16QAM      | 36       | 0       | 21.94     | 22.00                          | 22.03                             |                                 |                        |             |
| 15              | 16QAM      | 36       | 20      | 21.94     | 21.96                          | 22.00                             |                                 |                        |             |
| 15              | 16QAM      | 36       | 39      | 21.98     | 22.00                          | 21.94                             | 23                              | 2                      |             |
| 15              | 16QAM      | 75       | 0       | 21.97     | 22.08                          | 21.97                             |                                 |                        |             |
| 15              | 64QAM      | 1        | 0       | 22.06     | 22.10                          | 22.20                             | 23                              | 2                      |             |
| 15              | 64QAM      | 1        | 37      | 22.34     | 22.24                          | 22.27                             |                                 |                        |             |
| 15              | 64QAM      | 1        | 74      | 22.18     | 22.09                          | 22.06                             |                                 |                        |             |
| 15              | 64QAM      | 36       | 0       | 21.00     | 21.10                          | 21.01                             | 22                              | 3                      |             |
| 15              | 64QAM      | 36       | 20      | 21.09     | 21.08                          | 21.08                             |                                 |                        |             |
| 15              | 64QAM      | 36       | 39      | 21.08     | 21.03                          | 21.02                             |                                 |                        |             |
| 15              | 256QAM     | 1        | 0       | 18.80     | 18.76                          | 18.77                             | 20                              | 5                      |             |
| 15              | 256QAM     | 1        | 37      | 18.80     | 18.79                          | 18.99                             |                                 |                        |             |
| 15              | 256QAM     | 1        | 74      | 18.73     | 18.67                          | 18.83                             |                                 |                        |             |
| 15              | 256QAM     | 36       | 0       | 18.68     | 18.88                          | 18.83                             | 20                              | 5                      |             |
| 15              | 256QAM     | 36       | 20      | 18.67     | 18.80                          | 18.86                             |                                 |                        |             |
| 15              | 256QAM     | 36       | 39      | 18.85     | 18.79                          | 18.71                             |                                 |                        |             |
| 15              | 256QAM     | 75       | 0       | 18.71     | 18.81                          | 18.90                             | 24                              | 1                      |             |
| Channel         |            |          |         |           |                                |                                   |                                 |                        |             |
| Frequency (MHz) |            |          |         |           |                                |                                   |                                 |                        |             |
| 10              | QPSK       | 1        | 0       | 23.87     | 24.02                          | 24.06                             | 25                              | 0                      |             |
| 10              | QPSK       | 1        | 26      | 23.88     | 23.94                          | 23.99                             |                                 |                        |             |
| 10              | QPSK       | 1        | 49      | 24.11     | 23.97                          | 24.04                             |                                 |                        |             |
| 10              | QPSK       | 12       | 0       | 22.97     | 22.98                          | 22.90                             | 24                              | 1                      |             |
| 10              | QPSK       | 12       | 26      | 22.85     | 22.93                          | 22.86                             |                                 |                        |             |
| 10              | QPSK       | 25       | 0       | 22.86     | 23.04                          | 22.89                             |                                 |                        |             |
| 10              | 16QAM      | 1        | 0       | 23.03     | 23.01                          | 23.09                             | 24                              | 1                      |             |
| 10              | 16QAM      | 1        | 0       | 23.07     | 23.25                          | 23.22                             |                                 |                        |             |
| 10              | 16QAM      | 1        | 26      | 23.12     | 23.12                          | 23.17                             |                                 |                        |             |
| 10              | 16QAM      | 1        | 49      | 23.09     | 23.17                          | 23.11                             | 23                              | 2                      |             |
| 10              | 16QAM      | 25       | 0       | 21.99     | 22.02                          | 21.89                             |                                 |                        |             |
| 10              | 16QAM      | 25       | 12      | 21.89     | 21.97                          | 21.98                             |                                 |                        |             |
| 10              | 64QAM      | 1        | 0       | 21.97     | 22.04                          | 21.90                             | 23                              | 2                      |             |
| 10              | 64QAM      | 1        | 0       | 22.13     | 22.10                          | 22.25                             |                                 |                        |             |
| 10              | 64QAM      | 1        | 26      | 21.97     | 22.07                          | 22.08                             |                                 |                        |             |
| 10              | 64QAM      | 25       | 0       | 21.07     | 21.07                          | 21.07                             | 22                              | 3                      |             |
| 10              | 64QAM      | 25       | 12      | 21.02     | 21.01                          | 21.03                             |                                 |                        |             |
| 10              | 256QAM     | 1        | 0       | 18.82     | 18.85                          | 18.80                             |                                 |                        |             |
| 10              | 256QAM     | 1        | 26      | 18.78     | 18.73                          | 18.91                             | 20                              | 5                      |             |
| 10              | 256QAM     | 1        | 49      | 18.61     | 18.70                          | 18.68                             |                                 |                        |             |
| 10              | 256QAM     | 25       | 0       | 18.73     | 18.86                          | 18.88                             |                                 |                        |             |
| 10              | 256QAM     | 25       | 12      | 18.90     | 18.82                          | 18.83                             | 20                              | 5                      |             |
| 10              | 256QAM     | 25       | 26      | 18.79     | 18.80                          | 18.81                             |                                 |                        |             |
| 10              | 256QAM     | 50       | 0       | 18.76     | 18.84                          | 18.86                             | 24                              | 1                      |             |
| Channel         |            |          |         |           |                                |                                   |                                 |                        |             |
| Frequency (MHz) |            |          |         |           |                                |                                   |                                 |                        |             |
| 5               | QPSK       | 1        | 0       | 23.87     | 23.91                          | 24.00                             | 25                              | 0                      |             |
| 5               | QPSK       | 1        | 23      | 23.82     | 23.86                          | 23.93                             |                                 |                        |             |
| 5               | QPSK       | 1        | 24      | 23.92     | 23.82                          | 23.93                             |                                 |                        |             |
| 5               | QPSK       | 12       | 0       | 22.85     | 22.89                          | 22.78                             | 24                              | 1                      |             |
| 5               | QPSK       | 12       | 7       | 22.70     | 22.85                          | 22.82                             |                                 |                        |             |
| 5               | QPSK       | 12       | 13      | 22.72     | 22.86                          | 22.75                             |                                 |                        |             |
| 5               | 16QAM      | 1        | 0       | 22.83     | 22.83                          | 22.77                             | 24                              | 1                      |             |
| 5               | 16QAM      | 1        | 0       | 22.99     | 23.09                          | 23.03                             |                                 |                        |             |
| 5               | 16QAM      | 1        | 12      | 22.94     | 22.99                          | 23.10                             |                                 |                        |             |
| 5               | 16QAM      | 1        | 24      | 22.90     | 23.10                          | 22.96                             | 23                              | 2                      |             |
| 5               | 16QAM      | 12       | 7       | 21.87     | 21.95                          | 21.71                             |                                 |                        |             |
| 5               | 16QAM      | 12       | 7       | 21.83     | 21.84                          | 21.88                             |                                 |                        |             |
| 5               | 64QAM      | 1        | 0       | 21.78     | 21.85                          | 21.76                             | 23                              | 2                      |             |
| 5               | 64QAM      | 1        | 0       | 21.98     | 22.00                          | 22.08                             |                                 |                        |             |
| 5               | 64QAM      | 1        | 12      | 21.91     | 21.93                          | 21.95                             |                                 |                        |             |
| 5               | 64QAM      | 1        | 24      | 21.98     | 21.87                          | 22.18                             | 22                              | 3                      |             |
| 5               | 64QAM      | 12       | 0       | 20.93     | 20.94                          | 20.90                             |                                 |                        |             |
| 5               | 64QAM      | 12       | 7       | 20.85     | 20.87                          | 20.87                             |                                 |                        |             |
| 5               | 64QAM      | 12       | 13      | 20.89     | 21.01                          | 20.74                             | 20                              | 5                      |             |
| 5               | 256QAM     | 1        | 0       | 18.87     | 18.77                          | 18.71                             |                                 |                        |             |
| 5               | 256QAM     | 1        | 12      | 18.62     | 18.65                          | 18.78                             |                                 |                        |             |
| 5               | 256QAM     | 1        | 12      | 18.56     | 18.66                          | 18.77                             | 20                              | 5                      |             |
| 5               | 256QAM     | 12       | 0       | 18.82     | 18.79                          | 18.89                             |                                 |                        |             |
| 5               | 256QAM     | 12       | 7       | 18.69     | 18.71                          | 18.77                             |                                 |                        |             |
| 5               | 256QAM     | 12       | 13      | 18.70     | 18.66                          | 18.67                             | 20                              | 5                      |             |
| 5               | 256QAM     | 25       | 0       | 18.64     | 18.77                          | 18.74                             |                                 |                        |             |
| Channel         |            |          |         |           |                                |                                   |                                 |                        |             |
| Frequency (MHz) |            |          |         |           |                                |                                   |                                 |                        |             |
| 3               | QPSK       | 1        | 0       | 23.87     | 23.95                          | 23.88                             | 25                              | 0                      |             |
| 3               | QPSK       | 1        | 8       | 23.71     | 23.76                          | 23.81                             |                                 |                        |             |
| 3               | QPSK       | 1        | 14      | 23.99     | 23.79                          | 23.85                             |                                 |                        |             |
| 3               | QPSK       | 8        | 0       | 22.85     | 22.88                          | 22.74                             | 24                              | 1                      |             |
| 3               | QPSK       | 8        | 4       | 22.73     | 22.73                          | 22.73                             |                                 |                        |             |
| 3               | QPSK       | 8        | 7       | 22.70     | 22.91                          | 22.80                             |                                 |                        |             |
| 3               | QPSK       | 15       | 0       | 22.78     | 22.88                          | 22.83                             | 24                              | 1                      |             |
| 3               | 16QAM      | 1        | 0       | 22.88     | 23.16                          | 23.03                             |                                 |                        |             |
| 3               | 16QAM      | 1        | 8       | 22.98     | 22.93                          | 23.05                             |                                 |                        |             |
| 3               | 16QAM      | 1        | 14      | 22.90     | 23.02                          | 22.97                             | 23                              | 2                      |             |
| 3               | 16QAM      | 1        | 19      | 21.90     | 21.83                          | 21.76                             |                                 |                        |             |
| 3               | 16QAM      | 8        | 4       | 21.79     | 21.84                          | 21.91                             |                                 |                        |             |
| 3               | 64QAM      | 1        | 0       | 21.73     | 21.94                          | 21.73                             | 23                              | 2                      |             |
| 3               | 64QAM      | 15       | 0       | 21.79     | 21.89                          | 21.73                             |                                 |                        |             |
| 3               | 64QAM      | 1        | 0       | 22.05     | 22.04                          | 22.12                             |                                 |                        |             |
| 3               | 64QAM      | 1        | 8       | 21.83     | 21.86                          | 21.93                             | 22                              | 3                      |             |
| 3               | 64QAM      | 1        | 14      | 21.95     | 21.96                          | 22.02                             |                                 |                        |             |
| 3               | 64QAM      | 8        | 0       | 20.89     | 20.99                          | 20.88                             |                                 |                        |             |
| 3               | 64QAM      | 8        | 4       | 20.85     | 20.87                          | 20.91                             | 22                              | 3                      |             |
| 3               | 64QAM      | 8        | 7       | 20.79     | 20.91                          | 20.80                             |                                 |                        |             |
| 3               | 64QAM      | 15       | 0       | 20.91     | 20.96                          | 20.91                             |                                 |                        |             |
| 3               | 256QAM     | 1        | 0       | 18.75     | 18.79                          | 18.67                             | 20                              | 5                      |             |
| 3               | 256QAM     | 1        | 8       | 18.65     | 18.62                          | 18.84                             |                                 |                        |             |
| 3               | 256QAM     | 1        | 14      | 18.46     | 18.58                          | 18.69                             |                                 |                        |             |
| 3               | 256QAM     | 8        | 0       | 18.57     | 18.67                          | 18.76                             | 20                              | 5                      |             |
| 3               | 256QAM     | 8        | 4       | 18.62     | 18.71                          | 18.69                             |                                 |                        |             |
| 3               | 256QAM     | 8        | 7       | 18.63     | 18.66                          | 18.63                             |                                 |                        |             |
| 3               | 256QAM     | 15       | 0       | 18.65     | 18.77                          | 18.74                             | 24                              | 1                      |             |
| Channel         |            |          |         |           |                                |                                   |                                 |                        |             |
| Frequency (MHz) |            |          |         |           |                                |                                   |                                 |                        |             |
| 1.4             | QPSK       | 1        | 0       | 23.92     | 24.02                          | 24.02                             | 25                              | 0                      |             |
| 1.4             | QPSK       | 1        | 3       | 23.86     | 24.02                          | 23.99                             |                                 |                        |             |
| 1.4             | QPSK       | 1        | 6       | 23.99     | 24.01                          | 23.96                             |                                 |                        |             |
| 1.4             | QPSK       | 3        | 0       | 23.93     | 23.97                          | 23.99                             | 24                              | 1                      |             |
| 1.4             | QPSK       | 3        | 1       | 23.96     | 23.93                          | 23.99                             |                                 |                        |             |
| 1.4             | QPSK       | 3        | 3       | 23.97     | 23.96                          | 24.00                             |                                 |                        |             |
| 1.4             | QPSK       | 6        | 0       | 22.96     | 22.97                          | 23.01                             | 24                              | 1                      |             |
| 1.4             | 16QAM      | 1        | 0       | 23.07     | 23.16                          | 23.22                             |                                 |                        |             |
| 1.4             | 16QAM      | 1        | 3       | 23.17     | 23.07                          | 23.17                             |                                 |                        |             |
| 1.4             | 16QAM      | 1        | 6       | 23.11     | 23.09                          | 23.04                             | 24                              | 1                      |             |
| 1.4             | 16QAM      | 3        | 0       | 23.06     | 23.03                          | 23.09                             |                                 |                        |             |
| 1.4             | 16QAM      | 3        | 1       | 22.94     | 22.92                          | 22.95                             |                                 |                        |             |
| 1.4             | 16QAM      | 3        | 3       | 22.92     | 22.95                          | 23.07                             | 23                              | 2                      |             |
| 1.4             | 16QAM      | 6        | 0       | 22.04     | 22.11                          | 22.06                             |                                 |                        |             |
| 1.4             | 64QAM      | 1        | 0       | 22.01     | 22.11                          | 22.13                             |                                 |                        |             |
| 1.4             | 64QAM      | 1        | 3       | 22.02     | 22.12                          | 22.06                             | 23                              | 2                      |             |
| 1.4             | 64QAM      | 1        | 6       | 22.05     | 22.09                          | 22.05                             |                                 |                        |             |
| 1.4             | 64QAM      | 3        | 0       | 22.10     | 22.07                          | 22.01                             |                                 |                        |             |
| 1.4             | 64QAM      | 3        | 1       | 22.02     | 22.07                          | 22.09                             | 22                              | 3                      |             |
| 1.4             | 64QAM      | 3        | 3       | 22.04     | 22.05                          | 22.13                             |                                 |                        |             |
| 1.4             | 64QAM      | 6        | 0       | 21.04     | 21.07                          | 21.09                             |                                 |                        |             |
| 1.4             | 256QAM     | 1        | 0       | 18.63     | 18.73                          | 18.65                             | 20                              | 5                      |             |
| 1.4             | 256QAM     | 1        | 3       | 18.62     | 18.57                          | 18.84                             |                                 |                        |             |
| 1.4             | 256QAM     | 1        | 6       | 18.45     | 18.51                          | 18.62                             |                                 |                        |             |
| 1.4             | 256QAM     | 3        | 0       | 18.57     | 18.70                          | 18.79                             | 20                              | 5                      |             |
| 1.4             | 256QAM     | 3        | 1       | 18.66     | 18.76                          | 18.70                             |                                 |                        |             |
| 1.4             | 256QAM     | 3        | 3       | 18.63     | 18.65                          | 18.72                             |                                 |                        |             |
| 1.4             | 256QAM     | 3        | 6       | 18.58     | 18.65                          | 18.67                             | 24                              | 1                      |             |



### Band 38\_Ant 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<br>Frequency (MHz) |            |         |           | 37850                     | 38000                        | 38150                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 20                        | 20                           | 20                         |                        |             |
| 20                         | QPSK       | 1       | 0         | 20.45                     | 20.47                        | 20.44                      | 21.5                   | 0           |
| 20                         | QPSK       | 1       | 49        | 20.30                     | 20.41                        | 20.28                      |                        |             |
| 20                         | QPSK       | 1       | 99        | 20.39                     | 20.40                        | 20.33                      |                        |             |
| 20                         | QPSK       | 50      | 0         | 20.43                     | 20.45                        | 20.42                      | 21.5                   | 0           |
| 20                         | QPSK       | 50      | 24        | 20.37                     | 20.30                        | 20.31                      |                        |             |
| 20                         | QPSK       | 50      | 50        | 20.38                     | 20.38                        | 20.36                      |                        |             |
| 20                         | QPSK       | 100     | 0         | 20.40                     | 20.43                        | 20.38                      | 21.5                   | 0           |
| 20                         | 16QAM      | 1       | 0         | 20.27                     | 20.30                        | 20.31                      |                        |             |
| 20                         | 16QAM      | 1       | 49        | 20.35                     | 20.31                        | 20.37                      |                        |             |
| 20                         | 16QAM      | 1       | 99        | 20.29                     | 20.37                        | 20.27                      | 21.5                   | 0           |
| 20                         | 16QAM      | 50      | 0         | 20.36                     | 20.31                        | 20.32                      |                        |             |
| 20                         | 16QAM      | 50      | 24        | 20.27                     | 20.35                        | 20.33                      |                        |             |
| 20                         | 16QAM      | 50      | 50        | 20.38                     | 20.29                        | 20.27                      | 21.5                   | 0           |
| 20                         | 16QAM      | 100     | 0         | 20.27                     | 20.30                        | 20.37                      |                        |             |
| 20                         | 16QAM      | 100     | 24        | 20.27                     | 20.35                        | 20.33                      |                        |             |
| 20                         | 64QAM      | 1       | 49        | 20.28                     | 20.34                        | 20.30                      | 21.5                   | 0           |
| 20                         | 64QAM      | 1       | 99        | 20.32                     | 20.29                        | 20.37                      |                        |             |
| 20                         | 64QAM      | 50      | 0         | 20.33                     | 20.37                        | 20.35                      |                        |             |
| 20                         | 64QAM      | 50      | 24        | 20.34                     | 20.40                        | 20.33                      | 21.5                   | 0           |
| 20                         | 64QAM      | 50      | 50        | 20.36                     | 20.38                        | 20.28                      |                        |             |
| 20                         | 64QAM      | 100     | 0         | 20.35                     | 20.35                        | 20.31                      |                        |             |
| 20                         | 256QAM     | 1       | 0         | 17.85                     | 17.88                        | 17.88                      | 19                     | 2.5         |
| 20                         | 256QAM     | 1       | 49        | 17.79                     | 17.81                        | 17.78                      |                        |             |
| 20                         | 256QAM     | 99      | 1         | 17.80                     | 17.87                        | 17.85                      |                        |             |
| 20                         | 256QAM     | 50      | 0         | 17.87                     | 17.92                        | 17.88                      | 19                     | 2.5         |
| 20                         | 256QAM     | 50      | 24        | 17.83                     | 17.81                        | 17.80                      |                        |             |
| 20                         | 256QAM     | 50      | 50        | 17.82                     | 17.80                        | 17.87                      |                        |             |
| 20                         | 256QAM     | 100     | 0         | 17.84                     | 17.89                        | 17.88                      | Tune-up limit          | MPR         |
| Channel<br>Frequency (MHz) |            |         |           | 37850                     | 38000                        | 38150                      |                        |             |
| 15                         | QPSK       | 1       | 0         | 20.38                     | 20.35                        | 20.27                      | 21.5                   | 0           |
| 15                         | QPSK       | 1       | 37        | 20.33                     | 20.31                        | 20.29                      |                        |             |
| 15                         | QPSK       | 1       | 74        | 20.33                     | 20.33                        | 20.33                      |                        |             |
| 15                         | QPSK       | 36      | 0         | 20.34                     | 20.35                        | 20.33                      | 21.5                   | 0           |
| 15                         | QPSK       | 36      | 36        | 20.38                     | 20.39                        | 20.30                      |                        |             |
| 15                         | QPSK       | 36      | 39        | 20.35                     | 20.32                        | 20.35                      |                        |             |
| 15                         | QPSK       | 75      | 0         | 20.29                     | 20.33                        | 20.32                      | 21.5                   | 0           |
| 15                         | 16QAM      | 1       | 1         | 20.31                     | 20.36                        | 20.29                      |                        |             |
| 15                         | 16QAM      | 1       | 37        | 20.35                     | 20.40                        | 20.27                      |                        |             |
| 15                         | 16QAM      | 1       | 74        | 20.38                     | 20.33                        | 20.38                      | 21.5                   | 0           |
| 15                         | 16QAM      | 36      | 0         | 20.39                     | 20.29                        | 20.37                      |                        |             |
| 15                         | 16QAM      | 36      | 20        | 20.33                     | 20.35                        | 20.32                      |                        |             |
| 15                         | 16QAM      | 36      | 39        | 20.35                     | 20.37                        | 20.35                      | 21.5                   | 0           |
| 15                         | 16QAM      | 75      | 0         | 20.33                     | 20.30                        | 20.33                      |                        |             |
| 15                         | 64QAM      | 1       | 0         | 20.38                     | 20.35                        | 20.29                      |                        |             |
| 15                         | 64QAM      | 1       | 37        | 20.38                     | 20.30                        | 20.36                      | 21.5                   | 0           |
| 15                         | 64QAM      | 1       | 74        | 20.37                     | 20.35                        | 20.34                      |                        |             |
| 15                         | 64QAM      | 36      | 0         | 20.38                     | 20.34                        | 20.33                      |                        |             |
| 15                         | 64QAM      | 36      | 20        | 20.33                     | 20.36                        | 20.35                      | 21.5                   | 0           |
| 15                         | 64QAM      | 36      | 39        | 20.31                     | 20.40                        | 20.42                      |                        |             |
| 15                         | 64QAM      | 75      | 0         | 20.35                     | 20.35                        | 20.29                      |                        |             |
| 15                         | 256QAM     | 1       | 0         | 17.81                     | 17.81                        | 17.80                      | 19                     | 2.5         |
| 15                         | 256QAM     | 1       | 74        | 17.84                     | 17.85                        | 17.84                      |                        |             |
| 15                         | 256QAM     | 36      | 0         | 17.80                     | 17.85                        | 17.89                      |                        |             |
| 15                         | 256QAM     | 36      | 20        | 17.87                     | 17.84                        | 17.84                      | 19                     | 2.5         |
| 15                         | 256QAM     | 36      | 39        | 17.89                     | 17.82                        | 17.78                      |                        |             |
| 15                         | 256QAM     | 75      | 0         | 17.86                     | 17.88                        | 17.88                      | Tune-up limit          | MPR         |
| Channel<br>Frequency (MHz) |            |         |           | 37850                     | 38000                        | 38150                      |                        |             |
| 10                         | QPSK       | 1       | 0         | 20.31                     | 20.29                        | 20.36                      | 21.5                   | 0           |
| 10                         | QPSK       | 1       | 25        | 20.38                     | 20.29                        | 20.36                      |                        |             |
| 10                         | QPSK       | 1       | 49        | 20.32                     | 20.35                        | 20.29                      |                        |             |
| 10                         | QPSK       | 25      | 0         | 20.33                     | 20.37                        | 20.30                      | 21.5                   | 0           |
| 10                         | QPSK       | 25      | 12        | 20.35                     | 20.31                        | 20.31                      |                        |             |
| 10                         | QPSK       | 25      | 25        | 20.27                     | 20.29                        | 20.35                      |                        |             |
| 10                         | QPSK       | 50      | 0         | 20.36                     | 20.29                        | 20.28                      | 21.5                   | 0           |
| 10                         | 16QAM      | 1       | 0         | 20.30                     | 20.34                        | 20.31                      |                        |             |
| 10                         | 16QAM      | 1       | 25        | 20.35                     | 20.32                        | 20.37                      |                        |             |
| 10                         | 16QAM      | 1       | 49        | 20.32                     | 20.37                        | 20.28                      | 21.5                   | 0           |
| 10                         | 16QAM      | 25      | 0         | 20.28                     | 20.40                        | 20.32                      |                        |             |
| 10                         | 16QAM      | 25      | 12        | 20.38                     | 20.37                        | 20.32                      |                        |             |
| 10                         | 16QAM      | 25      | 25        | 20.36                     | 20.34                        | 20.27                      | 21.5                   | 0           |
| 10                         | 16QAM      | 50      | 0         | 20.37                     | 20.38                        | 20.31                      |                        |             |
| 10                         | 64QAM      | 1       | 0         | 20.32                     | 20.31                        | 20.34                      |                        |             |
| 10                         | 64QAM      | 1       | 25        | 20.32                     | 20.35                        | 20.31                      | 21.5                   | 0           |
| 10                         | 64QAM      | 25      | 0         | 20.35                     | 20.32                        | 20.34                      |                        |             |
| 10                         | 64QAM      | 25      | 0         | 20.28                     | 20.39                        | 20.31                      |                        |             |
| 10                         | 64QAM      | 25      | 12        | 20.32                     | 20.40                        | 20.33                      | 21.5                   | 0           |
| 10                         | 64QAM      | 25      | 25        | 20.31                     | 20.36                        | 20.38                      |                        |             |
| 10                         | 64QAM      | 50      | 0         | 20.38                     | 20.30                        | 20.33                      |                        |             |
| 10                         | 256QAM     | 1       | 0         | 17.85                     | 17.87                        | 17.76                      | 19                     | 2.5         |
| 10                         | 256QAM     | 1       | 25        | 17.79                     | 17.85                        | 17.79                      |                        |             |
| 10                         | 256QAM     | 25      | 0         | 17.79                     | 17.82                        | 17.86                      |                        |             |
| 10                         | 256QAM     | 25      | 12        | 17.90                     | 17.84                        | 17.79                      | 19                     | 2.5         |
| 10                         | 256QAM     | 25      | 25        | 17.85                     | 17.88                        | 17.82                      |                        |             |
| 10                         | 256QAM     | 50      | 0         | 17.81                     | 17.90                        | 17.83                      |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 37775                     | 38000                        | 38025                      | Tune-up limit          | MPR         |
|                            |            |         |           | 25725                     | 25950                        | 26175                      |                        |             |
| 5                          | QPSK       | 1       | 0         | 20.33                     | 20.30                        | 20.37                      | 21.5                   | 0           |
| 5                          | QPSK       | 1       | 12        | 20.31                     | 20.30                        | 20.37                      |                        |             |
| 5                          | QPSK       | 1       | 24        | 20.32                     | 20.33                        | 20.29                      |                        |             |
| 5                          | QPSK       | 12      | 0         | 20.33                     | 20.38                        | 20.30                      | 21.5                   | 0           |
| 5                          | QPSK       | 12      | 7         | 20.27                     | 20.40                        | 20.37                      |                        |             |
| 5                          | QPSK       | 12      | 13        | 20.31                     | 20.39                        | 20.33                      |                        |             |
| 5                          | QPSK       | 25      | 0         | 20.38                     | 20.39                        | 20.30                      | 21.5                   | 0           |
| 5                          | 16QAM      | 1       | 0         | 20.28                     | 20.37                        | 20.26                      |                        |             |
| 5                          | 16QAM      | 1       | 12        | 20.38                     | 20.39                        | 20.28                      |                        |             |
| 5                          | 16QAM      | 1       | 24        | 20.35                     | 20.35                        | 20.28                      | 21.5                   | 0           |
| 5                          | 16QAM      | 12      | 0         | 20.37                     | 20.31                        | 20.33                      |                        |             |
| 5                          | 16QAM      | 12      | 7         | 20.37                     | 20.29                        | 20.35                      |                        |             |
| 5                          | 16QAM      | 12      | 13        | 20.33                     | 20.38                        | 20.28                      | 21.5                   | 0           |
| 5                          | 16QAM      | 25      | 0         | 20.28                     | 20.38                        | 20.32                      |                        |             |
| 5                          | 64QAM      | 1       | 0         | 20.30                     | 20.34                        | 20.35                      |                        |             |
| 5                          | 64QAM      | 1       | 12        | 20.33                     | 20.33                        | 20.37                      | 21.5                   | 0           |
| 5                          | 64QAM      | 1       | 24        | 20.37                     | 20.29                        | 20.36                      |                        |             |
| 5                          | 64QAM      | 12      | 0         | 20.31                     | 20.29                        | 20.29                      |                        |             |
| 5                          | 64QAM      | 12      | 7         | 20.33                     | 20.29                        | 20.31                      | 21.5                   | 0           |
| 5                          | 64QAM      | 12      | 13        | 20.34                     | 20.35                        | 20.26                      |                        |             |
| 5                          | 64QAM      | 25      | 0         | 20.30                     | 20.36                        | 20.34                      |                        |             |
| 5                          | 256QAM     | 1       | 0         | 17.86                     | 17.88                        | 17.80                      | 19                     | 2.5         |
| 5                          | 256QAM     | 1       | 12        | 17.82                     | 17.83                        | 17.80                      |                        |             |
| 5                          | 256QAM     | 1       | 24        | 17.85                     | 17.91                        | 17.84                      |                        |             |
| 5                          | 256QAM     | 12      | 0         | 17.83                     | 17.81                        | 17.79                      | 19                     | 2.5         |
| 5                          | 256QAM     | 12      | 7         | 17.88                     | 17.82                        | 17.81                      |                        |             |
| 5                          | 256QAM     | 12      | 13        | 17.79                     | 17.91                        | 17.87                      |                        |             |
| 5                          | 256QAM     | 25      | 0         | 17.81                     | 17.85                        | 17.78                      | Tune-up limit          | MPR         |
| Channel<br>Frequency (MHz) |            |         |           | 37775                     | 38000                        | 38025                      |                        |             |

### Band 41\_Ant 4

| BW (MHz)                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch / Freq | Power<br>Low-Middle<br>Ch / Freq | Power<br>Middle<br>Ch / Freq | Power<br>High-Middle<br>Ch / Freq | Power<br>High<br>Ch / Freq | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|---------------------------|----------------------------------|------------------------------|-----------------------------------|----------------------------|------------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           | 39750                     | 40185                            | 40620                        | 41055                             | 41490                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 20                        | 20                               | 20                           | 20                                | 20                         |                        |             |
| 20                         | QPSK       | 1       | 0         | 20.22                     | 20.48                            | 20.51                        | 20.47                             | 20.20                      | 21.5                   | 0           |
| 20                         | QPSK       | 1       | 49        | 20.13                     | 20.43                            | 20.41                        | 20.39                             | 20.13                      |                        |             |
| 20                         | QPSK       | 1       | 99        | 20.16                     | 20.39                            | 20.40                        | 20.39                             | 20.16                      |                        |             |
| 20                         | QPSK       | 50      | 0         | 20.20                     | 20.47                            | 20.48                        | 20.45                             | 20.18                      | 21.5                   | 0           |
| 20                         | QPSK       | 50      | 24        | 20.10                     | 20.38                            | 20.36                        | 20.37                             | 20.08                      |                        |             |
| 20                         | QPSK       | 50      | 50        | 20.12                     | 20.38                            | 20.37                        | 20.41                             | 20.12                      |                        |             |
| 20                         | QPSK       | 100     | 0         | 20.18                     | 20.45                            | 20.46                        | 20.42                             | 20.17                      | 21.5                   | 0           |
| 20                         | 16QAM      | 1       | 0         | 20.17                     | 20.38                            | 20.42                        | 20.42                             | 20.08                      |                        |             |
| 20                         | 16QAM      | 1       | 49        | 20.15                     | 20.45                            | 20.45                        | 20.37                             | 20.15                      |                        |             |
| 20                         | 16QAM      | 1       | 99        | 20.17                     | 20.39                            | 20.39                        | 20.38                             | 20.10                      | 21.5                   | 0           |
| 20                         | 16QAM      | 50      | 0         | 20.12                     | 20.37                            | 20.35                        | 20.35                             | 20.04                      |                        |             |
| 20                         | 16QAM      | 50      | 24        | 20.08                     | 20.38                            | 20.37                        | 20.38                             | 20.08                      |                        |             |
| 20                         | 16QAM      | 50      | 50        | 20.09                     | 20.36                            | 20.35                        | 20.32                             | 20.10                      | 21.5                   | 0           |
| 20                         | 16QAM      | 100     | 0         | 20.16                     | 20.32                            | 20.48                        | 20.41                             | 20.10                      |                        |             |
| 20                         | 16QAM      | 100     | 24        | 20.16                     | 20.32                            | 20.48                        | 20.41                             | 20.10                      |                        |             |



### Band 42 Part27Q\_Ant 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<br>Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |  |
|                            |            |         |           | 42190                       | 42590                          | 42990                        |                        |             |  |
|                            |            |         |           | 3606                        | 3646                           | 3686                         |                        |             |  |
| 20                         | QPSK       | 1       | 0         | 20.51                       | 20.54                          | 20.33                        | 21.5                   | 0           |  |
| 20                         | QPSK       | 1       | 49        | 20.40                       | 20.44                          | 20.26                        |                        |             |  |
| 20                         | QPSK       | 1       | 99        | 20.33                       | 20.35                          | 20.38                        |                        |             |  |
| 20                         | QPSK       | 50      | 0         | 20.45                       | 20.49                          | 20.32                        | 21.5                   | 0           |  |
| 20                         | QPSK       | 50      | 24        | 20.34                       | 20.24                          | 20.26                        |                        |             |  |
| 20                         | QPSK       | 50      | 24        | 20.22                       | 20.34                          | 20.35                        |                        |             |  |
| 20                         | QPSK       | 100     | 0         | 20.20                       | 20.45                          | 20.30                        | 21.5                   | 0           |  |
| 20                         | 16QAM      | 1       | 0         | 20.35                       | 20.25                          | 20.31                        |                        |             |  |
| 20                         | 16QAM      | 1       | 49        | 20.50                       | 20.29                          | 20.42                        |                        |             |  |
| 20                         | 16QAM      | 1       | 99        | 20.34                       | 20.33                          | 20.34                        | 21.5                   | 0           |  |
| 20                         | 16QAM      | 50      | 0         | 20.32                       | 20.23                          | 20.32                        |                        |             |  |
| 20                         | 16QAM      | 50      | 24        | 20.23                       | 20.38                          | 20.40                        |                        |             |  |
| 20                         | 16QAM      | 50      | 50        | 20.23                       | 20.39                          | 20.33                        | 21.5                   | 0           |  |
| 20                         | 16QAM      | 100     | 0         | 20.22                       | 20.30                          | 20.50                        |                        |             |  |
| 20                         | 64QAM      | 1       | 0         | 20.38                       | 20.34                          | 20.27                        |                        |             |  |
| 20                         | 64QAM      | 1       | 49        | 20.27                       | 20.22                          | 20.38                        | 21.5                   | 0           |  |
| 20                         | 64QAM      | 1       | 99        | 20.33                       | 20.28                          | 20.38                        |                        |             |  |
| 20                         | 64QAM      | 50      | 0         | 20.35                       | 20.41                          | 20.25                        |                        |             |  |
| 20                         | 64QAM      | 50      | 24        | 20.41                       | 20.25                          | 20.19                        | 21.5                   | 0           |  |
| 20                         | 64QAM      | 50      | 0         | 20.11                       | 20.27                          | 20.20                        |                        |             |  |
| 20                         | 64QAM      | 100     | 0         | 20.22                       | 20.39                          | 20.23                        |                        |             |  |
| 20                         | 256QAM     | 1       | 0         | 18.21                       | 17.88                          | 17.74                        | 19                     | 2.5         |  |
| 20                         | 256QAM     | 1       | 49        | 18.11                       | 17.94                          | 17.91                        |                        |             |  |
| 20                         | 256QAM     | 1       | 99        | 18.22                       | 18.30                          | 17.87                        |                        |             |  |
| 20                         | 256QAM     | 50      | 0         | 18.04                       | 18.09                          | 17.65                        | 19                     | 2.5         |  |
| 20                         | 256QAM     | 50      | 24        | 18.08                       | 17.85                          | 17.75                        |                        |             |  |
| 20                         | 256QAM     | 50      | 50        | 18.36                       | 18.15                          | 18.01                        |                        |             |  |
| 20                         | 256QAM     | 100     | 0         | 18.30                       | 18.24                          | 18.05                        |                        |             |  |
|                            |            |         |           | 42115                       | 42590                          | 43065                        |                        |             |  |
|                            |            |         |           | 3437.5                      | 3500                           | 3562.5                       |                        |             |  |
|                            |            |         |           | 3457.5                      | 3500                           | 3542.5                       |                        |             |  |
| 15                         | QPSK       | 1       | 0         | 20.45                       | 20.27                          | 20.28                        | 21.5                   | 0           |  |
| 15                         | QPSK       | 1       | 37        | 20.30                       | 20.42                          | 20.43                        |                        |             |  |
| 15                         | QPSK       | 1       | 74        | 20.32                       | 20.24                          | 20.36                        |                        |             |  |
| 15                         | QPSK       | 36      | 0         | 20.38                       | 20.38                          | 20.27                        | 21.5                   | 0           |  |
| 15                         | QPSK       | 36      | 36        | 20.29                       | 20.38                          | 20.37                        |                        |             |  |
| 15                         | QPSK       | 36      | 99        | 20.23                       | 20.31                          | 20.44                        |                        |             |  |
| 15                         | QPSK       | 75      | 0         | 20.43                       | 20.23                          | 20.51                        | 21.5                   | 0           |  |
| 15                         | 16QAM      | 1       | 0         | 20.27                       | 20.32                          | 20.52                        |                        |             |  |
| 15                         | 16QAM      | 1       | 37        | 20.38                       | 20.29                          | 20.32                        |                        |             |  |
| 15                         | 16QAM      | 1       | 74        | 20.25                       | 20.29                          | 20.29                        | 21.5                   | 0           |  |
| 15                         | 16QAM      | 36      | 0         | 20.34                       | 20.28                          | 20.35                        |                        |             |  |
| 15                         | 16QAM      | 36      | 20        | 20.37                       | 20.43                          | 20.21                        |                        |             |  |
| 15                         | 16QAM      | 36      | 20        | 20.32                       | 20.43                          | 20.21                        | 21.5                   | 0           |  |
| 15                         | 16QAM      | 75      | 0         | 20.52                       | 20.38                          | 20.35                        |                        |             |  |
| 15                         | 64QAM      | 1       | 0         | 20.31                       | 20.38                          | 20.31                        |                        |             |  |
| 15                         | 64QAM      | 1       | 37        | 20.35                       | 20.34                          | 20.28                        | 21.5                   | 0           |  |
| 15                         | 64QAM      | 1       | 74        | 20.34                       | 20.35                          | 20.20                        |                        |             |  |
| 15                         | 64QAM      | 36      | 0         | 20.38                       | 20.29                          | 20.26                        |                        |             |  |
| 15                         | 64QAM      | 36      | 20        | 20.43                       | 20.43                          | 20.13                        | 21.5                   | 0           |  |
| 15                         | 64QAM      | 36      | 20        | 20.08                       | 20.17                          | 20.25                        |                        |             |  |
| 15                         | 64QAM      | 75      | 0         | 20.39                       | 20.41                          | 20.25                        |                        |             |  |
| 15                         | 256QAM     | 1       | 0         | 18.04                       | 17.79                          | 17.64                        | 19                     | 2.5         |  |
| 15                         | 256QAM     | 1       | 37        | 17.84                       | 17.79                          | 17.74                        |                        |             |  |
| 15                         | 256QAM     | 1       | 74        | 18.21                       | 18.08                          | 17.74                        |                        |             |  |
| 15                         | 256QAM     | 36      | 0         | 17.92                       | 17.79                          | 17.46                        | 19                     | 2.5         |  |
| 15                         | 256QAM     | 36      | 20        | 18.08                       | 17.68                          | 17.68                        |                        |             |  |
| 15                         | 256QAM     | 36      | 30        | 18.22                       | 18.02                          | 17.78                        |                        |             |  |
| 15                         | 256QAM     | 75      | 0         | 18.14                       | 18.09                          | 18.01                        |                        |             |  |
|                            |            |         |           | 42110                       | 42590                          | 43040                        |                        |             |  |
|                            |            |         |           | 3455                        | 3500                           | 3545                         |                        |             |  |
| 10                         | QPSK       | 1       | 0         | 20.40                       | 20.31                          | 20.38                        | 21.5                   | 0           |  |
| 10                         | QPSK       | 1       | 25        | 20.35                       | 20.48                          | 20.45                        |                        |             |  |
| 10                         | QPSK       | 1       | 49        | 20.32                       | 20.30                          | 20.34                        |                        |             |  |
| 10                         | QPSK       | 25      | 0         | 20.44                       | 20.34                          | 20.37                        | 21.5                   | 0           |  |
| 10                         | QPSK       | 25      | 12        | 20.22                       | 20.39                          | 20.43                        |                        |             |  |
| 10                         | QPSK       | 25      | 25        | 20.25                       | 20.30                          | 20.38                        |                        |             |  |
| 10                         | 16QAM      | 1       | 0         | 20.34                       | 20.19                          | 20.51                        | 21.5                   | 0           |  |
| 10                         | 16QAM      | 1       | 25        | 20.29                       | 20.35                          | 20.46                        |                        |             |  |
| 10                         | 16QAM      | 1       | 25        | 20.26                       | 20.29                          | 20.33                        |                        |             |  |
| 10                         | 16QAM      | 1       | 49        | 20.22                       | 20.28                          | 20.26                        | 21.5                   | 0           |  |
| 10                         | 16QAM      | 25      | 0         | 20.26                       | 20.30                          | 20.33                        |                        |             |  |
| 10                         | 16QAM      | 25      | 12        | 20.48                       | 20.46                          | 20.24                        |                        |             |  |
| 10                         | 16QAM      | 25      | 12        | 20.26                       | 20.43                          | 20.14                        | 21.5                   | 0           |  |
| 10                         | 16QAM      | 50      | 0         | 20.52                       | 20.38                          | 20.32                        |                        |             |  |
| 10                         | 64QAM      | 1       | 0         | 20.29                       | 20.38                          | 20.24                        |                        |             |  |
| 10                         | 64QAM      | 1       | 25        | 20.34                       | 20.42                          | 20.36                        | 21.5                   | 0           |  |
| 10                         | 64QAM      | 25      | 0         | 20.35                       | 20.45                          | 20.18                        |                        |             |  |
| 10                         | 64QAM      | 25      | 0         | 20.35                       | 20.27                          | 20.25                        |                        |             |  |
| 10                         | 64QAM      | 25      | 12        | 20.43                       | 20.43                          | 20.16                        | 21.5                   | 0           |  |
| 10                         | 64QAM      | 25      | 25        | 20.17                       | 20.16                          | 20.25                        |                        |             |  |
| 10                         | 64QAM      | 50      | 0         | 20.30                       | 20.43                          | 20.25                        |                        |             |  |
| 10                         | 256QAM     | 1       | 0         | 18.06                       | 17.73                          | 17.68                        | 19                     | 2.5         |  |
| 10                         | 256QAM     | 1       | 25        | 17.90                       | 17.77                          | 17.75                        |                        |             |  |
| 10                         | 256QAM     | 1       | 49        | 18.16                       | 18.12                          | 17.73                        |                        |             |  |
| 10                         | 256QAM     | 25      | 0         | 17.94                       | 17.77                          | 17.54                        | 19                     | 2.5         |  |
| 10                         | 256QAM     | 25      | 12        | 18.00                       | 17.78                          | 17.54                        |                        |             |  |
| 10                         | 256QAM     | 25      | 25        | 18.21                       | 18.00                          | 17.72                        |                        |             |  |
| 10                         | 256QAM     | 50      | 0         | 18.11                       | 18.06                          | 17.65                        |                        |             |  |
|                            |            |         |           | 42115                       | 42590                          | 43065                        |                        |             |  |
|                            |            |         |           | 3452.5                      | 3500                           | 3547.5                       |                        |             |  |
| 5                          | QPSK       | 1       | 0         | 20.41                       | 20.30                          | 20.35                        | 21.5                   | 0           |  |
| 5                          | QPSK       | 1       | 12        | 20.28                       | 20.39                          | 20.47                        |                        |             |  |
| 5                          | QPSK       | 1       | 24        | 20.43                       | 20.26                          | 20.37                        |                        |             |  |
| 5                          | QPSK       | 12      | 0         | 20.48                       | 20.40                          | 20.28                        | 21.5                   | 0           |  |
| 5                          | QPSK       | 12      | 7         | 20.24                       | 20.44                          | 20.39                        |                        |             |  |
| 5                          | QPSK       | 12      | 13        | 20.30                       | 20.25                          | 20.43                        |                        |             |  |
| 5                          | QPSK       | 25      | 0         | 20.34                       | 20.16                          | 20.40                        | 21.5                   | 0           |  |
| 5                          | 16QAM      | 1       | 0         | 20.34                       | 20.29                          | 20.41                        |                        |             |  |
| 5                          | 16QAM      | 1       | 12        | 20.33                       | 20.35                          | 20.25                        |                        |             |  |
| 5                          | 16QAM      | 1       | 24        | 20.26                       | 20.30                          | 20.29                        | 21.5                   | 0           |  |
| 5                          | 16QAM      | 12      | 0         | 20.28                       | 20.32                          | 20.31                        |                        |             |  |
| 5                          | 16QAM      | 12      | 7         | 20.37                       | 20.45                          | 20.24                        |                        |             |  |
| 5                          | 16QAM      | 12      | 13        | 20.23                       | 20.35                          | 20.25                        | 21.5                   | 0           |  |
| 5                          | 16QAM      | 25      | 0         | 20.39                       | 20.29                          | 20.29                        |                        |             |  |
| 5                          | 64QAM      | 1       | 0         | 20.37                       | 20.33                          | 20.32                        |                        |             |  |
| 5                          | 64QAM      | 1       | 12        | 20.46                       | 20.31                          | 20.38                        | 21.5                   | 0           |  |
| 5                          | 64QAM      | 1       | 24        | 20.37                       | 20.47                          | 20.25                        |                        |             |  |
| 5                          | 64QAM      | 12      | 0         | 20.41                       | 20.46                          | 20.16                        |                        |             |  |
| 5                          | 64QAM      | 12      | 7         | 20.32                       | 20.43                          | 20.24                        | 21.5                   | 0           |  |
| 5                          | 64QAM      | 12      | 13        | 20.17                       | 20.18                          | 20.22                        |                        |             |  |
| 5                          | 64QAM      | 25      | 0         | 20.31                       | 20.36                          | 20.24                        |                        |             |  |
| 5                          | 256QAM     | 1       | 0         | 18.07                       | 17.78                          | 17.68                        | 19                     | 2.5         |  |
| 5                          | 256QAM     | 1       | 12        | 17.83                       | 17.78                          | 17.70                        |                        |             |  |
| 5                          | 256QAM     | 1       | 24        | 18.21                       | 18.12                          | 17.67                        |                        |             |  |
| 5                          | 256QAM     | 12      | 0         | 17.82                       | 17.80                          | 17.44                        | 19                     | 2.5         |  |
| 5                          | 256QAM     | 12      | 7         | 18.00                       | 17.75                          | 17.52                        |                        |             |  |
| 5                          | 256QAM     | 12      | 13        | 18.18                       | 17.91                          | 17.73                        |                        |             |  |
| 5                          | 256QAM     | 25      | 0         | 18.15                       | 18.16                          | 17.68                        |                        |             |  |

### Band 42 Part96\_Ant 2

| DW [MHz]        | Modulation | RB Size | RB Offset | Power/<br>Low Ch. / Freq. | Power/<br>Middle Ch. / Freq. | Power/<br>High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|---------------------|----------|
| Channel         |            |         |           |                           |                              |                            |                     |          |
| Frequency (MHz) |            |         |           | 43190                     | 43340                        | 43490                      |                     |          |
|                 |            |         |           | 3696                      | 3736                         | 3776                       |                     |          |
| 20              | QPSK       | 1       | 0         | 20.54                     | 20.59                        | 20.43                      | 21.5                | 0        |
| 20              | QPSK       | 1       | 49        | 20.50                     | 20.51                        | 20.36                      |                     |          |
| 20              | QPSK       | 1       | 99        | 20.38                     | 20.38                        | 20.39                      |                     |          |
| 20              | QPSK       | 50      | 0         | 20.52                     | 20.53                        | 20.45                      | 21.5                | 0        |
| 20              | QPSK       | 50      | 24        | 20.38                     | 20.39                        | 20.28                      |                     |          |
| 20              | QPSK       | 50      | 50        | 20.34                     | 20.34                        | 20.43                      |                     |          |
| 20              | QPSK       | 100     | 0         | 20.50                     | 20.30                        | 20.48                      | 21.5                | 0        |
| 20              | 16QAM      | 1       | 0         | 20.39                     | 20.39                        | 20.39                      |                     |          |
| 20              | 16QAM      | 1       | 49        | 20.54                     | 20.41                        | 20.48                      |                     |          |
| 20              | 16QAM      | 1       | 99        | 20.43                     | 20.39                        | 20.36                      | 21.5                | 0        |
| 20              | 16QAM      | 50      | 0         | 20.39                     | 20.37                        | 20.39                      |                     |          |
| 20              | 16QAM      | 50      | 24        | 20.35                     | 20.44                        | 20.52                      |                     |          |
| 20              | 16QAM      | 50      | 50        | 20.36                     | 20.44                        | 20.44                      | 21.5                | 0        |
| 20              | 16QAM      | 100     | 0         | 20.35                     | 20.41                        | 20.53                      |                     |          |
| 20              | 16QAM      | 1       | 0         | 20.41                     | 20.38                        | 20.39                      |                     |          |
| 20              | 64QAM      | 1       | 49        | 20.40                     | 20.37                        | 20.42                      | 21.5                | 0        |
| 20              | 64QAM      | 1       | 99        | 20.37                     | 20.35                        | 20.43                      |                     |          |
| 20              | 64QAM      | 50      | 0         | 20.41                     | 20.40                        | 20.38                      |                     |          |
| 20              | 64QAM      | 50      | 24        | 20.45                     | 20.38                        | 20.30                      | 21.5                | 0        |
| 20              | 64QAM      | 50      | 50        | 20.40                     | 20.39                        | 20.26                      |                     |          |
| 20              | 64QAM      | 100     | 0         | 20.37                     | 20.32                        | 20.47                      |                     |          |
| 20              | 256QAM     | 1       | 0         | 18.31                     | 17.94                        | 17.83                      | 19                  | 2.5      |
| 20              | 256QAM     | 1       | 49        | 18.13                     | 17.97                        | 18.02                      |                     |          |
| 20              | 256QAM     | 1       | 99        | 18.38                     | 18.33                        | 17.99                      |                     |          |
| 20              | 256QAM     | 50      | 0         | 18.19                     | 18.12                        | 17.80                      | 19                  | 2.5      |
| 20              | 256QAM     | 50      | 24        | 18.21                     | 17.98                        | 17.87                      |                     |          |
| 20              | 256QAM     | 50      | 50        | 18.46                     | 18.19                        | 18.07                      |                     |          |
| 20              | 256QAM     | 100     | 0         | 18.44                     | 18.35                        | 18.18                      |                     |          |
| Channel         |            |         |           |                           |                              |                            |                     |          |
| Frequency (MHz) |            |         |           | 43118                     | 43268                        | 43418                      | Tune-up limit (dBm) | MPR (dB) |
|                 |            |         |           | 3597.5                    | 3576                         | 3595.5                     |                     |          |
| 15              | QPSK       | 1       | 0         | 20.51                     | 20.42                        | 20.42                      | 21.5                | 0        |
| 15              | QPSK       | 1       | 37        | 20.39                     | 20.51                        | 20.44                      |                     |          |
| 15              | QPSK       | 1       | 74        | 20.47                     | 20.34                        | 20.48                      |                     |          |
| 15              | QPSK       | 36      | 0         | 20.52                     | 20.43                        | 20.40                      | 21.5                | 0        |
| 15              | QPSK       | 36      | 36        | 20.39                     | 20.51                        | 20.50                      |                     |          |
| 15              | QPSK       | 36      | 36        | 20.38                     | 20.40                        | 20.47                      |                     |          |
| 15              | QPSK       | 75      | 0         | 20.48                     | 20.31                        | 20.54                      | 21.5                | 0        |
| 15              | 16QAM      | 1       | 1         | 20.39                     | 20.38                        | 20.54                      |                     |          |
| 15              | 16QAM      | 1       | 37        | 20.40                     | 20.44                        | 20.39                      |                     |          |
| 15              | 16QAM      | 1       | 74        | 20.33                     | 20.39                        | 20.35                      | 21.5                | 0        |
| 15              | 16QAM      | 36      | 0         | 20.37                     | 20.39                        | 20.45                      |                     |          |
| 15              | 16QAM      | 36      | 20        | 20.52                     | 20.50                        | 20.32                      |                     |          |
| 15              | 16QAM      | 36      | 36        | 20.36                     | 20.46                        | 20.27                      | 21.5                | 0        |
| 15              | 16QAM      | 75      | 0         | 20.54                     | 20.40                        | 20.33                      |                     |          |
| 15              | 64QAM      | 1       | 0         | 20.40                     | 20.44                        | 20.36                      |                     |          |
| 15              | 64QAM      | 1       | 37        | 20.48                     | 20.44                        | 20.39                      | 21.5                | 0        |
| 15              | 64QAM      | 1       | 74        | 20.44                     | 20.49                        | 20.31                      |                     |          |
| 15              | 64QAM      | 36      | 0         | 20.47                     | 20.42                        | 20.28                      |                     |          |
| 15              | 64QAM      | 36      | 36        | 20.45                     | 20.45                        | 20.26                      | 21.5                | 0        |
| 15              | 64QAM      | 36      | 36        | 20.23                     | 20.30                        | 20.30                      |                     |          |
| 15              | 64QAM      | 75      | 0         | 20.43                     | 20.45                        | 20.33                      |                     |          |
| 15              | 256QAM     | 1       | 1         | 18.10                     | 17.83                        | 17.70                      | 19                  | 2.5      |
| 15              | 256QAM     | 1       | 37        | 17.96                     | 17.86                        | 17.82                      |                     |          |
| 15              | 256QAM     | 1       | 74        | 18.25                     | 18.21                        | 17.77                      |                     |          |
| 15              | 256QAM     | 36      | 0         | 17.96                     | 17.96                        | 17.58                      | 19                  | 2.5      |
| 15              | 256QAM     | 36      | 36        | 18.09                     | 17.79                        | 17.67                      |                     |          |
| 15              | 256QAM     | 36      | 36        | 18.26                     | 18.06                        | 17.84                      |                     |          |
| 15              | 256QAM     | 75      | 0         | 18.24                     | 18.04                        |                            |                     |          |
| Channel         |            |         |           |                           |                              |                            |                     |          |
| Frequency (MHz) |            |         |           | 43140                     | 43340                        | 43540                      | Tune-up limit (dBm) | MPR (dB) |
|                 |            |         |           | 3595                      | 3596                         | 3595                       |                     |          |
| 10              | QPSK       | 1       | 0         | 20.47                     | 20.40                        | 20.37                      | 21.5                | 0        |
| 10              | QPSK       | 1       | 25        | 20.47                     | 20.36                        | 20.49                      |                     |          |
| 10              | QPSK       | 1       | 49        | 20.44                     | 20.44                        | 20.36                      |                     |          |
| 10              | QPSK       | 25      | 0         | 20.53                     | 20.43                        | 20.39                      | 21.5                | 0        |
| 10              | QPSK       | 25      | 12        | 20.36                     | 20.49                        | 20.53                      |                     |          |
| 10              | QPSK       | 25      | 25        | 20.34                     | 20.46                        | 20.50                      |                     |          |
| 10              | QPSK       | 50      | 0         | 20.49                     | 20.32                        | 20.50                      | 21.5                | 0        |
| 10              | 16QAM      | 1       | 0         | 20.39                     | 20.49                        | 20.40                      |                     |          |
| 10              | 16QAM      | 1       | 25        | 20.40                     | 20.48                        | 20.51                      |                     |          |
| 10              | 16QAM      | 1       | 49        | 20.42                     | 20.41                        | 20.35                      | 21.5                | 0        |
| 10              | 16QAM      | 25      | 0         | 20.49                     | 20.53                        | 20.37                      |                     |          |
| 10              | 16QAM      | 25      | 12        | 20.49                     | 20.43                        | 20.41                      |                     |          |
| 10              | 16QAM      | 25      | 25        | 20.41                     | 20.41                        | 20.31                      | 21.5                | 0        |
| 10              | 16QAM      | 50      | 0         | 20.51                     | 20.39                        | 20.32                      |                     |          |
| 10              | 16QAM      | 1       | 1         | 20.40                     | 20.43                        | 20.45                      |                     |          |
| 10              | 64QAM      | 1       | 25        | 20.39                     | 20.42                        | 20.48                      | 21.5                | 0        |
| 10              | 64QAM      | 1       | 49        | 20.35                     | 20.50                        | 20.24                      |                     |          |
| 10              | 64QAM      | 25      | 0         | 20.38                     | 20.49                        | 20.29                      |                     |          |
| 10              | 64QAM      | 25      | 12        | 20.34                     | 20.37                        | 20.22                      | 21.5                | 0        |
| 10              | 64QAM      | 25      | 25        | 20.21                     | 20.22                        | 20.31                      |                     |          |
| 10              | 64QAM      | 50      | 0         | 20.45                     | 20.46                        | 20.30                      |                     |          |
| 10              | 256QAM     | 1       | 0         | 18.10                     | 17.77                        | 17.66                      | 19                  | 2.5      |
| 10              | 256QAM     | 1       | 25        | 17.82                     | 17.86                        | 17.90                      |                     |          |
| 10              | 256QAM     | 1       | 49        | 18.16                     | 18.21                        | 17.72                      |                     |          |
| 10              | 256QAM     | 25      | 0         | 18.02                     | 17.88                        | 17.85                      | 19                  | 2.5      |
| 10              | 256QAM     | 25      | 12        | 18.08                     | 17.87                        | 17.72                      |                     |          |
| 10              | 256QAM     | 25      | 25        | 18.35                     | 17.97                        | 17.88                      |                     |          |
| 10              | 256QAM     | 50      | 0         | 18.26                     | 18.14                        | 18.01                      |                     |          |
| Channel         |            |         |           |                           |                              |                            |                     |          |
| Frequency (MHz) |            |         |           | 43118                     | 43268                        | 43418                      | Tune-up limit (dBm) | MPR (dB) |
|                 |            |         |           | 3597.5                    | 3576                         | 3597.5                     |                     |          |
| 5               | QPSK       | 1       | 0         | 20.49                     | 20.41                        | 20.46                      | 21.5                | 0        |
| 5               | QPSK       | 1       | 12        | 20.45                     | 20.47                        | 20.37                      |                     |          |
| 5               | QPSK       | 1       | 24        | 20.36                     | 20.39                        | 20.45                      |                     |          |
| 5               | QPSK       | 12      | 0         | 20.44                     | 20.42                        | 20.42                      | 21.5                | 0        |
| 5               | QPSK       | 12      | 6         | 20.38                     | 20.45                        | 20.51                      |                     |          |
| 5               | QPSK       | 12      | 13        | 20.44                     | 20.40                        | 20.50                      |                     |          |
| 5               | QPSK       | 25      | 0         | 20.50                     | 20.37                        | 20.46                      | 21.5                | 0        |
| 5               | 16QAM      | 1       | 0         | 20.39                     | 20.50                        | 20.51                      |                     |          |
| 5               | 16QAM      | 1       | 12        | 20.43                     | 20.43                        | 20.37                      |                     |          |
| 5               | 16QAM      | 24      | 1         | 20.42                     | 20.38                        | 20.42                      | 21.5                | 0        |
| 5               | 16QAM      | 12      | 0         | 20.47                     | 20.39                        | 20.40                      |                     |          |
| 5               | 16QAM      | 12      | 7         | 20.52                     | 20.36                        | 20.41                      |                     |          |
| 5               | 16QAM      | 12      | 13        | 20.41                     | 20.46                        | 20.22                      | 21.5                | 0        |
| 5               | 16QAM      | 25      | 0         | 20.52                     | 20.53                        | 20.36                      |                     |          |
| 5               | 16QAM      | 1       | 0         | 20.39                     | 20.41                        | 20.37                      |                     |          |
| 5               | 64QAM      | 12      | 1         | 20.46                     | 20.54                        | 20.48                      | 21.5                | 0        |
| 5               | 64QAM      | 1       | 24        | 20.35                     | 20.41                        | 20.24                      |                     |          |
| 5               | 64QAM      | 12      | 0         | 20.38                     | 20.49                        | 20.35                      |                     |          |
| 5               | 64QAM      | 12      | 12        | 20.41                     | 20.46                        | 20.20                      | 21.5                | 0        |
| 5               | 64QAM      | 12      | 13        | 20.30                     | 20.32                        | 20.31                      |                     |          |
| 5               | 64QAM      | 25      | 0         | 20.46                     | 20.45                        | 20.29                      |                     |          |
| 5               | 256QAM     | 1       | 1         | 18.11                     | 17.70                        | 17.67                      | 19                  | 2.5      |
| 5               | 256QAM     | 1       | 12        | 17.97                     | 17.76                        | 17.89                      |                     |          |
| 5               | 256QAM     | 1       | 24        | 18.24                     | 18.14                        | 17.65                      |                     |          |
| 5               | 256QAM     | 12      | 12        | 17.85                     | 17.66                        | 17.84                      | 19                  | 2.5      |
| 5               | 256QAM     | 12      | 7         | 18.01                     | 17.79                        | 17.86                      |                     |          |
| 5               | 256QAM     | 12      | 13        | 18.26                     | 18.06                        | 17.84                      |                     |          |
| 5               | 256QAM     | 25      | 0         | 18.23                     | 18.14                        | 18.04                      |                     |          |

## Band 48\_Ant 2

| BW [MHz]                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq | Power<br>Low Middle<br>Ch. / Freq. | Power<br>High Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|----------------------------|------------------------------------|-------------------------------------|------------------------------|------------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           | 5340                       | 5580                               | 56150                               | 56640                        |                        |             |
|                            |            |         |           | 3600                       | 3600                               | 3441                                |                              |                        |             |
| 20                         | QPSK       | 1       | 0         | 20.69                      | 20.59                              | 20.59                               | 20.56                        | 21.5                   | 0           |
| 20                         | QPSK       | 1       | 49        | 20.59                      | 20.55                              | 20.45                               | 20.51                        |                        |             |
| 20                         | QPSK       | 1       | 99        | 20.48                      | 20.48                              | 20.40                               | 20.49                        |                        |             |
| 20                         | QPSK       | 50      | 0         | 20.63                      | 20.57                              | 20.53                               | 20.54                        |                        |             |
| 20                         | QPSK       | 50      | 24        | 20.60                      | 20.55                              | 20.54                               | 20.42                        | 21.5                   | 0           |
| 20                         | QPSK       | 50      | 50        | 20.56                      | 20.46                              | 20.52                               | 20.52                        |                        |             |
| 20                         | QPSK       | 100     | 0         | 20.62                      | 20.56                              | 20.37                               | 20.50                        |                        |             |
| 20                         | 16QAM      | 1       | 0         | 20.58                      | 20.55                              | 20.41                               | 20.57                        |                        |             |
| 20                         | 16QAM      | 1       | 49        | 20.43                      | 20.51                              | 20.48                               | 20.58                        | 21.5                   | 0           |
| 20                         | 16QAM      | 1       | 99        | 20.57                      | 20.56                              | 20.40                               | 20.36                        |                        |             |
| 20                         | 16QAM      | 50      | 0         | 20.44                      | 20.46                              | 20.45                               | 20.42                        |                        |             |
| 20                         | 16QAM      | 50      | 24        | 20.42                      | 20.60                              | 20.44                               | 20.45                        |                        |             |
| 20                         | 16QAM      | 50      | 50        | 20.49                      | 20.46                              | 20.60                               | 20.58                        | 21.5                   | 0           |
| 20                         | 16QAM      | 100     | 0         | 20.43                      | 20.48                              | 20.44                               | 20.45                        |                        |             |
| 20                         | 16QAM      | 1       | 0         | 20.41                      | 20.42                              | 20.42                               | 20.41                        |                        |             |
| 20                         | 64QAM      | 1       | 49        | 20.40                      | 20.47                              | 20.59                               | 20.55                        | 21.5                   | 0           |
| 20                         | 64QAM      | 1       | 99        | 20.42                      | 20.51                              | 20.55                               | 20.51                        |                        |             |
| 20                         | 64QAM      | 50      | 0         | 20.39                      | 20.44                              | 20.46                               | 20.40                        |                        |             |
| 20                         | 64QAM      | 50      | 24        | 20.45                      | 20.41                              | 20.35                               | 20.39                        |                        |             |
| 20                         | 64QAM      | 50      | 50        | 20.44                      | 20.39                              | 20.30                               | 20.43                        | 21.5                   | 0           |
| 20                         | 64QAM      | 100     | 0         | 20.55                      | 20.42                              | 20.46                               | 20.46                        |                        |             |
| 20                         | 256QAM     | 1       | 0         | 18.00                      | 17.87                              | 17.93                               | 17.96                        |                        |             |
| 20                         | 256QAM     | 1       | 49        | 17.89                      | 17.84                              | 17.80                               | 17.74                        | 19                     | 2.5         |
| 20                         | 256QAM     | 1       | 99        | 18.03                      | 17.89                              | 17.98                               | 17.81                        |                        |             |
| 20                         | 256QAM     | 50      | 0         | 17.89                      | 17.79                              | 17.84                               | 17.79                        |                        |             |
| 20                         | 256QAM     | 50      | 24        | 17.91                      | 17.81                              | 17.82                               | 17.81                        |                        |             |
| 20                         | 256QAM     | 50      | 50        | 17.99                      | 17.93                              | 17.87                               | 17.88                        | 19                     | 2.5         |
| 20                         | 256QAM     | 100     | 0         | 17.98                      | 17.86                              | 17.84                               | 17.86                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 55815                      | 56020                              | 56160                               | 56650                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 3607.5                     | 3608                               | 3642                                | 3692.5                       |                        |             |
| 15                         | QPSK       | 1       | 0         | 20.41                      | 20.58                              | 20.41                               | 20.41                        | 21.5                   | 0           |
| 15                         | QPSK       | 1       | 37        | 20.54                      | 20.50                              | 20.53                               | 20.54                        |                        |             |
| 15                         | QPSK       | 1       | 74        | 20.48                      | 20.48                              | 20.49                               | 20.53                        |                        |             |
| 15                         | QPSK       | 36      | 0         | 20.46                      | 20.48                              | 20.51                               | 20.41                        |                        |             |
| 15                         | QPSK       | 36      | 20        | 20.46                      | 20.56                              | 20.57                               | 20.51                        | 21.5                   | 0           |
| 15                         | QPSK       | 36      | 39        | 20.53                      | 20.55                              | 20.52                               | 20.48                        |                        |             |
| 15                         | QPSK       | 75      | 0         | 20.58                      | 20.56                              | 20.31                               | 20.57                        |                        |             |
| 15                         | 16QAM      | 1       | 0         | 20.41                      | 20.60                              | 20.60                               | 20.58                        |                        |             |
| 15                         | 16QAM      | 1       | 37        | 20.46                      | 20.59                              | 20.57                               | 20.60                        | 21.5                   | 0           |
| 15                         | 16QAM      | 1       | 74        | 20.58                      | 20.52                              | 20.44                               | 20.44                        |                        |             |
| 15                         | 16QAM      | 36      | 0         | 20.51                      | 20.44                              | 20.44                               | 20.47                        |                        |             |
| 15                         | 16QAM      | 36      | 20        | 20.54                      | 20.39                              | 20.50                               | 20.43                        |                        |             |
| 15                         | 16QAM      | 36      | 39        | 20.45                      | 20.47                              | 20.36                               | 20.34                        | 21.5                   | 0           |
| 15                         | 16QAM      | 75      | 0         | 20.50                      | 20.52                              | 20.40                               | 20.47                        |                        |             |
| 15                         | 64QAM      | 1       | 0         | 20.47                      | 20.51                              | 20.51                               | 20.48                        |                        |             |
| 15                         | 64QAM      | 1       | 37        | 20.49                      | 20.55                              | 20.44                               | 20.35                        |                        |             |
| 15                         | 64QAM      | 1       | 74        | 20.40                      | 20.36                              | 20.36                               | 20.39                        | 21.5                   | 0           |
| 15                         | 64QAM      | 36      | 0         | 20.59                      | 20.53                              | 20.53                               | 20.40                        |                        |             |
| 15                         | 64QAM      | 36      | 20        | 20.45                      | 20.39                              | 20.36                               | 20.35                        |                        |             |
| 15                         | 64QAM      | 36      | 39        | 20.40                      | 20.32                              | 20.30                               | 20.42                        |                        |             |
| 15                         | 64QAM      | 75      | 0         | 20.47                      | 20.52                              | 20.48                               | 20.41                        | 19                     | 2.5         |
| 15                         | 256QAM     | 1       | 0         | 17.80                      | 17.72                              | 17.70                               | 17.75                        |                        |             |
| 15                         | 256QAM     | 1       | 37        | 17.72                      | 17.72                              | 17.60                               | 17.51                        |                        |             |
| 15                         | 256QAM     | 1       | 74        | 17.87                      | 17.74                              | 17.87                               | 17.79                        |                        |             |
| 15                         | 256QAM     | 36      | 0         | 17.76                      | 17.59                              | 17.60                               | 17.57                        | 19                     | 2.5         |
| 15                         | 256QAM     | 36      | 20        | 17.69                      | 17.61                              | 17.68                               | 17.63                        |                        |             |
| 15                         | 256QAM     | 36      | 39        | 17.77                      | 17.71                              | 17.73                               | 17.73                        |                        |             |
| 15                         | 256QAM     | 75      | 0         | 17.78                      | 17.74                              | 17.67                               | 17.75                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 55815                      | 56015                              | 56165                               | 56650                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 3607.5                     | 3607.5                             | 3642.5                              | 3695                         |                        |             |
| 10                         | QPSK       | 1       | 0         | 20.46                      | 20.60                              | 20.44                               | 20.39                        | 21.5                   | 0           |
| 10                         | QPSK       | 1       | 25        | 20.41                      | 20.59                              | 20.58                               | 20.59                        |                        |             |
| 10                         | QPSK       | 1       | 49        | 20.49                      | 20.48                              | 20.50                               | 20.58                        |                        |             |
| 10                         | QPSK       | 25      | 0         | 20.60                      | 20.47                              | 20.59                               | 20.48                        |                        |             |
| 10                         | QPSK       | 25      | 12        | 20.41                      | 20.48                              | 20.57                               | 20.58                        | 21.5                   | 0           |
| 10                         | QPSK       | 25      | 25        | 20.44                      | 20.56                              | 20.47                               | 20.56                        |                        |             |
| 10                         | QPSK       | 50      | 0         | 20.42                      | 20.44                              | 20.39                               | 20.54                        |                        |             |
| 10                         | 16QAM      | 1       | 0         | 20.59                      | 20.46                              | 20.54                               | 20.42                        |                        |             |
| 10                         | 16QAM      | 1       | 25        | 20.41                      | 20.52                              | 20.46                               | 20.60                        | 21.5                   | 0           |
| 10                         | 16QAM      | 1       | 49        | 20.56                      | 20.50                              | 20.49                               | 20.40                        |                        |             |
| 10                         | 16QAM      | 25      | 0         | 20.57                      | 20.47                              | 20.53                               | 20.40                        |                        |             |
| 10                         | 16QAM      | 25      | 12        | 20.55                      | 20.49                              | 20.53                               | 20.49                        |                        |             |
| 10                         | 16QAM      | 25      | 25        | 20.53                      | 20.55                              | 20.38                               | 20.39                        | 21.5                   | 0           |
| 10                         | 16QAM      | 50      | 0         | 20.53                      | 20.56                              | 20.41                               | 20.53                        |                        |             |
| 10                         | 64QAM      | 1       | 0         | 20.47                      | 20.46                              | 20.51                               | 20.46                        |                        |             |
| 10                         | 64QAM      | 1       | 25        | 20.40                      | 20.55                              | 20.37                               | 20.44                        |                        |             |
| 10                         | 64QAM      | 1       | 49        | 20.45                      | 20.28                              | 20.43                               | 20.39                        | 21.5                   | 0           |
| 10                         | 64QAM      | 25      | 0         | 20.58                      | 20.53                              | 20.53                               | 20.47                        |                        |             |
| 10                         | 64QAM      | 25      | 12        | 20.46                      | 20.49                              | 20.35                               | 20.35                        |                        |             |
| 10                         | 64QAM      | 25      | 25        | 20.34                      | 20.42                              | 20.27                               | 20.39                        |                        |             |
| 10                         | 64QAM      | 50      | 0         | 20.53                      | 20.44                              | 20.42                               | 20.40                        | 19                     | 2.5         |
| 10                         | 256QAM     | 1       | 0         | 17.82                      | 17.67                              | 17.75                               | 17.77                        |                        |             |
| 10                         | 256QAM     | 1       | 25        | 17.70                      | 17.63                              | 17.65                               | 17.62                        |                        |             |
| 10                         | 256QAM     | 1       | 49        | 17.80                      | 17.73                              | 17.74                               | 17.67                        |                        |             |
| 10                         | 256QAM     | 25      | 0         | 17.68                      | 17.63                              | 17.63                               | 17.57                        | 19                     | 2.5         |
| 10                         | 256QAM     | 25      | 12        | 17.89                      | 17.70                              | 17.70                               | 17.60                        |                        |             |
| 10                         | 256QAM     | 25      | 25        | 17.67                      | 17.70                              | 17.74                               | 17.71                        |                        |             |
| 10                         | 256QAM     | 50      | 0         | 17.80                      | 17.64                              | 17.64                               | 17.75                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 55865                      | 55810                              | 56170                               | 56715                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 3532.5                     | 3507                               | 3543                                | 3597.5                       |                        |             |
| 5                          | QPSK       | 1       | 0         | 20.41                      | 20.58                              | 20.45                               | 20.45                        | 21.5                   | 0           |
| 5                          | QPSK       | 1       | 12        | 20.42                      | 20.51                              | 20.57                               | 20.41                        |                        |             |
| 5                          | QPSK       | 1       | 24        | 20.44                      | 20.43                              | 20.40                               | 20.54                        |                        |             |
| 5                          | QPSK       | 12      | 0         | 20.45                      | 20.40                              | 20.60                               | 20.54                        |                        |             |
| 5                          | QPSK       | 12      | 7         | 20.56                      | 20.47                              | 20.47                               | 20.55                        | 21.5                   | 0           |
| 5                          | QPSK       | 12      | 13        | 20.53                      | 20.52                              | 20.45                               | 20.56                        |                        |             |
| 5                          | QPSK       | 25      | 0         | 20.44                      | 20.60                              | 20.36                               | 20.50                        |                        |             |
| 5                          | 16QAM      | 1       | 0         | 20.46                      | 20.58                              | 20.41                               | 20.57                        |                        |             |
| 5                          | 16QAM      | 1       | 12        | 20.44                      | 20.54                              | 20.42                               | 20.42                        | 21.5                   | 0           |
| 5                          | 16QAM      | 1       | 24        | 20.56                      | 20.51                              | 20.47                               | 20.44                        |                        |             |
| 5                          | 16QAM      | 12      | 0         | 20.50                      | 20.53                              | 20.47                               | 20.40                        |                        |             |
| 5                          | 16QAM      | 12      | 7         | 20.58                      | 20.48                              | 20.45                               | 20.48                        |                        |             |
| 5                          | 16QAM      | 12      | 13        | 20.49                      | 20.53                              | 20.46                               | 20.38                        | 21.5                   | 0           |
| 5                          | 16QAM      | 25      | 0         | 20.42                      | 20.57                              | 20.44                               | 20.41                        |                        |             |
| 5                          | 64QAM      | 1       | 0         | 20.57                      | 20.46                              | 20.39                               | 20.39                        |                        |             |
| 5                          | 64QAM      | 1       | 12        | 20.57                      | 20.49                              | 20.38                               | 20.38                        |                        |             |
| 5                          | 64QAM      | 1       | 24        | 20.43                      | 20.37                              | 20.38                               | 20.29                        | 21.5                   | 0           |
| 5                          | 64QAM      | 12      | 0         | 20.57                      | 20.48                              | 20.44                               | 20.50                        |                        |             |
| 5                          | 64QAM      | 12      | 7         | 20.54                      | 20.40                              | 20.34                               | 20.45                        |                        |             |
| 5                          | 64QAM      | 12      | 13        | 20.37                      | 20.33                              | 20.28                               | 20.43                        |                        |             |
| 5                          | 256QAM     | 1       | 0         | 17.69                      | 17.64                              | 17.67                               | 17.69                        | 19                     | 2.5         |
| 5                          | 256QAM     | 1       | 12        | 17.64                      | 17.64                              | 17.82                               | 17.74                        |                        |             |
| 5                          | 256QAM     | 1       | 24        | 17.67                      | 17.62                              | 17.58                               | 17.52                        |                        |             |
| 5                          | 256QAM     | 1       | 25        | 17.52                      | 17.76                              | 17.81                               | 17.67                        |                        |             |
| 5                          | 256QAM     | 12      | 0         | 17.78                      | 17.56                              | 17.62                               | 17.63                        | 19                     | 2.5         |
| 5                          | 256QAM     | 12      | 7         | 17.67                      | 17.66                              | 17.67                               | 17.60                        |                        |             |
| 5                          | 256QAM     | 12      | 13        | 17.86                      | 17.69                              | 17.75                               | 17.70                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 17.64                      | 17.71                              | 17.61                               | 17.68                        |                        |             |



## Reduced Power for State 4

<GSM>

| GSM900_Ant.0    | Burst Average Power (dBm) |       |       | Tune-up Limit | Frame Average Power (dBm) |       |       | Tune-up Limit |
|-----------------|---------------------------|-------|-------|---------------|---------------------------|-------|-------|---------------|
|                 | TX Channel                | 128   | 189   | 251           | 128                       | 189   | 251   |               |
| Frequency (MHz) |                           | 834.2 | 836.4 | 848.8         | 834.2                     | 836.4 | 848.8 | (dBm)         |
| GSM 1 Tx slot   |                           | 30.88 | 31.01 | 30.80         | 31.50                     | 21.88 | 22.01 | 21.80         |
| GPRS 1 Tx slot  |                           | 30.85 | 30.98 | 30.78         | 31.50                     | 21.85 | 21.98 | 21.78         |
| GPRS 2 Tx slots |                           | 30.23 | 30.26 | 30.20         | 31.00                     | 24.23 | 24.26 | 24.20         |
| GPRS 3 Tx slots |                           | 29.40 | 29.98 | 29.75         | 29.50                     | 24.44 | 24.62 | 24.49         |
| GPRS 4 Tx slots |                           | 27.48 | 27.73 | 27.55         | 28.00                     | 24.48 | 24.73 | 24.55         |
| EDGE 1 Tx slot  |                           | 25.51 | 25.57 | 25.98         | 26.50                     | 18.91 | 18.97 | 18.98         |
| EDGE 2 Tx slots |                           | 25.03 | 25.01 | 25.07         | 25.50                     | 19.03 | 19.01 | 19.07         |
| EDGE 3 Tx slots |                           | 23.33 | 23.50 | 23.43         | 24.00                     | 19.07 | 19.24 | 19.17         |
| EDGE 4 Tx slots |                           | 22.45 | 22.44 | 22.44         | 22.80                     | 19.45 | 19.44 | 19.44         |

| GSM1900_Ant.2   | Burst Average Power (dBm) |        |       | Tune-up Limit | Frame Average Power (dBm) |       |        | Tune-up Limit |
|-----------------|---------------------------|--------|-------|---------------|---------------------------|-------|--------|---------------|
|                 | TX Channel                | 512    | 661   | 810           | 512                       | 661   | 810    |               |
| Frequency (MHz) |                           | 1824.9 | 1826  | 1828.8        | 1824.9                    | 1826  | 1828.8 | (dBm)         |
| GSM 1 Tx slot   |                           | 29.44  | 29.59 | 29.40         | 30.00                     | 20.44 | 20.59  | 20.40         |
| GPRS 1 Tx slot  |                           | 29.41  | 29.57 | 29.36         | 30.00                     | 20.41 | 20.57  | 20.36         |
| GPRS 2 Tx slots |                           | 28.55  | 28.96 | 28.77         | 29.50                     | 22.55 | 22.96  | 22.77         |
| GPRS 3 Tx slots |                           | 26.69  | 26.70 | 26.61         | 27.50                     | 22.40 | 22.44  | 22.35         |
| GPRS 4 Tx slots |                           | 25.41  | 25.51 | 25.35         | 26.50                     | 22.41 | 22.51  | 22.35         |
| EDGE 1 Tx slot  |                           | 25.71  | 25.71 | 25.81         | 26.00                     | 18.71 | 18.71  | 18.81         |
| EDGE 2 Tx slots |                           | 24.55  | 24.78 | 24.74         | 25.00                     | 18.55 | 18.78  | 18.74         |
| EDGE 3 Tx slots |                           | 22.87  | 23.01 | 22.87         | 24.00                     | 18.71 | 18.75  | 18.61         |
| EDGE 4 Tx slots |                           | 21.58  | 22.04 | 22.01         | 23.00                     | 18.58 | 19.04  | 19.01         |

<WCDMA>

| Band            | WCDMA I_Ant.2           |        |       | Tune-up Limit | WCDMA IV_Ant.2 |        |        | Tune-up Limit | WCDMA V_Ant.0 |       |       | Tune-up Limit |
|-----------------|-------------------------|--------|-------|---------------|----------------|--------|--------|---------------|---------------|-------|-------|---------------|
|                 | TX Channel              | 9262   | 9400  | 9538          | 1312           | 1413   | 1513   |               | 4132          | 4182  | 4233  |               |
| Frequency (MHz) | RD Channel              | 9802   | 9800  | 9938          | 1537           | 1638   | 1738   |               | 4357          | 4407  | 4456  |               |
| Frequency (MHz) |                         | 1824.8 | 1890  | 1907.8        | 1712.4         | 1722.2 | 1752.8 | (dBm)         | 824.4         | 838.4 | 849.6 | (dBm)         |
| 3GPP Rel 99     | AMR 12.2kops            | 20.96  | 20.70 | 21.10         | 22.00          | 21.63  | 21.82  | 21.73         | 23.00         | 23.00 | 23.05 | 23.01         |
| 3GPP Rel 99     | RM-C 12.2kops           | 20.98  | 20.71 | 21.12         | 22.00          | 21.65  | 21.84  | 21.76         | 23.00         | 23.05 | 23.10 | 23.04         |
| 3GPP Rel 6      | HS-DSPA Subtest-1       | 20.13  | 19.92 | 20.36         | 21.00          | 20.94  | 21.10  | 21.00         | 21.50         | 22.00 | 22.19 | 21.99         |
| 3GPP Rel 6      | HS-DSPA Subtest-2       | 20.16  | 19.93 | 20.39         | 21.00          | 20.95  | 21.01  | 21.06         | 21.50         | 22.00 | 22.25 | 22.02         |
| 3GPP Rel 6      | HS-DSPA Subtest-3       | 19.67  | 19.47 | 19.95         | 20.50          | 20.96  | 20.69  | 20.65         | 21.00         | 21.55 | 21.80 | 21.59         |
| 3GPP Rel 6      | HS-DSPA Subtest-4       | 19.67  | 19.45 | 19.92         | 20.50          | 20.92  | 20.93  | 20.81         | 21.00         | 21.55 | 21.79 | 21.51         |
| 3GPP Rel 8      | DC-HS-DSPA Subtest-1    | 20.10  | 19.90 | 20.33         | 21.00          | 20.96  | 21.08  | 21.07         | 21.50         | 21.98 | 22.16 | 21.93         |
| 3GPP Rel 8      | DC-HS-DSPA Subtest-2    | 20.11  | 19.87 | 20.27         | 21.00          | 20.97  | 20.94  | 21.04         | 21.50         | 21.95 | 22.23 | 22.01         |
| 3GPP Rel 8      | DC-HS-DSPA Subtest-3    | 19.65  | 19.41 | 19.87         | 20.50          | 20.47  | 20.62  | 20.57         | 21.00         | 21.53 | 21.78 | 21.55         |
| 3GPP Rel 8      | DC-HS-DSPA Subtest-4    | 19.43  | 19.36 | 19.86         | 20.50          | 20.42  | 20.51  | 20.50         | 21.00         | 21.52 | 21.75 | 21.50         |
| 3GPP Rel 8      | HS-UPA Subtest-1        | 18.61  | 18.90 | 18.62         | 20.50          | 19.03  | 19.02  | 19.05         | 21.00         | 19.99 | 20.00 | 20.05         |
| 3GPP Rel 8      | HS-UPA Subtest-2        | 18.07  | 17.77 | 18.27         | 19.00          | 18.90  | 18.98  | 19.00         | 19.50         | 20.01 | 20.04 | 20.10         |
| 3GPP Rel 6      | HS-UPA Subtest-3        | 19.12  | 18.87 | 19.29         | 20.00          | 19.90  | 19.96  | 19.93         | 20.00         | 21.04 | 21.00 | 21.08         |
| 3GPP Rel 6      | HS-UPA Subtest-4        | 17.66  | 17.33 | 17.80         | 18.50          | 18.54  | 18.57  | 18.60         | 19.00         | 19.60 | 19.62 | 20.50         |
| 3GPP Rel 6      | HS-UPA Subtest-5        | 19.10  | 18.80 | 19.30         | 20.50          | 20.14  | 20.09  | 20.09         | 21.00         | 21.00 | 21.00 | 21.10         |
| 3GPP Rel 7      | HS-PA (10QAM) Subtest-1 | 18.12  | 18.16 | 18.22         | 20.00          | 18.76  | 18.92  | 18.70         | 20.50         | 20.00 | 20.02 | 20.05         |

Band 2\_Ant 2

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>18700 | Power Middle<br>Ch. Freq.<br>18800 | Power High<br>Ch. Freq.<br>19100 | Tune-up Inst<br>(dBm) | MPR<br>(dB) |  |  |
|-----------------|------------|---------|-----------|---------------------------------|------------------------------------|----------------------------------|-----------------------|-------------|--|--|
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| Frequency [MHz] |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| 20              | QPSK       | 1       | 0         | 21.72                           | 21.67                              | 21.74                            | 22.5                  | 0           |  |  |
| 20              | QPSK       | 1       | 49        | 21.69                           | 21.68                              | 21.65                            |                       |             |  |  |
| 20              | QPSK       | 1       | 99        | 21.70                           | 21.68                              | 21.62                            |                       |             |  |  |
| 20              | QPSK       | 50      | 0         | 21.71                           | 21.70                              | 21.73                            |                       |             |  |  |
| 20              | QPSK       | 50      | 24        | 21.69                           | 21.73                              | 21.70                            |                       |             |  |  |
| 20              | QPSK       | 50      | 50        | 21.62                           | 21.62                              | 21.63                            | 22.5                  | 0           |  |  |
| 20              | QPSK       | 100     | 0         | 21.70                           | 21.71                              | 21.65                            |                       |             |  |  |
| 20              | 16QAM      | 1       | 0         | 21.70                           | 21.75                              | 21.73                            |                       |             |  |  |
| 20              | 16QAM      | 1       | 49        | 21.61                           | 21.64                              | 21.68                            |                       |             |  |  |
| 20              | 16QAM      | 1       | 99        | 21.62                           | 21.68                              | 21.71                            |                       |             |  |  |
| 20              | 16QAM      | 50      | 0         | 21.72                           | 21.71                              | 21.68                            | 22.5                  | 0           |  |  |
| 20              | 16QAM      | 50      | 24        | 21.68                           | 21.73                              | 21.74                            |                       |             |  |  |
| 20              | 16QAM      | 50      | 50        | 21.71                           | 21.73                              | 21.71                            |                       |             |  |  |
| 20              | 16QAM      | 100     | 0         | 21.69                           | 21.68                              | 21.64                            |                       |             |  |  |
| 20              | 16QAM      | 1       | 0         | 21.70                           | 21.68                              | 21.75                            |                       |             |  |  |
| 20              | 64QAM      | 1       | 49        | 21.67                           | 21.66                              | 21.65                            | 22.5                  | 0           |  |  |
| 20              | 64QAM      | 1       | 99        | 21.61                           | 21.66                              | 21.70                            |                       |             |  |  |
| 20              | 64QAM      | 50      | 0         | 21.07                           | 21.09                              | 21.09                            |                       |             |  |  |
| 20              | 64QAM      | 50      | 24        | 21.10                           | 21.06                              | 21.13                            |                       |             |  |  |
| 20              | 64QAM      | 50      | 50        | 21.07                           | 21.00                              | 21.04                            |                       |             |  |  |
| 20              | 64QAM      | 100     | 0         | 21.10                           | 21.07                              | 21.09                            | 21.5                  | 1           |  |  |
| 20              | 256QAM     | 1       | 0         | 19.06                           | 19.00                              | 19.05                            |                       |             |  |  |
| 20              | 256QAM     | 1       | 49        | 19.05                           | 19.07                              | 19.09                            |                       |             |  |  |
| 20              | 256QAM     | 1       | 99        | 18.98                           | 18.97                              | 19.01                            |                       |             |  |  |
| 20              | 256QAM     | 50      | 0         | 19.00                           | 19.04                              | 19.09                            |                       |             |  |  |
| 20              | 256QAM     | 50      | 24        | 18.97                           | 18.94                              | 18.94                            | 19.5                  | 3           |  |  |
| 20              | 256QAM     | 50      | 50        | 18.96                           | 18.92                              | 19.00                            |                       |             |  |  |
| 20              | 256QAM     | 100     | 0         | 19.06                           | 19.00                              | 19.02                            |                       |             |  |  |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| Frequency [MHz] |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| 15              | QPSK       | 1       | 0         | 1867.5                          | 1863                               | 1862.5                           | 22.5                  | 0           |  |  |
| 15              | QPSK       | 1       | 0         | 21.67                           | 21.72                              | 21.70                            |                       |             |  |  |
| 15              | QPSK       | 1       | 37        | 21.65                           | 21.74                              | 21.69                            |                       |             |  |  |
| 15              | QPSK       | 1       | 74        | 21.71                           | 21.67                              | 21.73                            |                       |             |  |  |
| 15              | QPSK       | 36      | 36        | 21.71                           | 21.69                              | 21.72                            |                       |             |  |  |
| 15              | QPSK       | 36      | 36        | 21.62                           | 21.72                              | 21.65                            | 22.5                  | 0           |  |  |
| 15              | QPSK       | 36      | 39        | 21.70                           | 21.63                              | 21.69                            |                       |             |  |  |
| 15              | QPSK       | 75      | 0         | 21.68                           | 21.66                              | 21.74                            |                       |             |  |  |
| 15              | 16QAM      | 1       | 0         | 21.72                           | 21.64                              | 21.67                            |                       |             |  |  |
| 15              | 16QAM      | 1       | 37        | 21.64                           | 21.62                              | 21.67                            |                       |             |  |  |
| 15              | 16QAM      | 1       | 44        | 21.68                           | 21.66                              | 21.66                            | 22.5                  | 0           |  |  |
| 15              | 16QAM      | 36      | 0         | 21.67                           | 21.72                              | 21.64                            |                       |             |  |  |
| 15              | 16QAM      | 36      | 20        | 21.72                           | 21.64                              | 21.62                            |                       |             |  |  |
| 15              | 16QAM      | 36      | 39        | 21.67                           | 21.61                              | 21.75                            |                       |             |  |  |
| 15              | 16QAM      | 75      | 0         | 21.67                           | 21.72                              | 21.69                            |                       |             |  |  |
| 15              | 64QAM      | 1       | 0         | 21.72                           | 21.71                              | 21.71                            | 22.5                  | 0           |  |  |
| 15              | 64QAM      | 1       | 0         | 21.68                           | 21.68                              | 21.68                            |                       |             |  |  |
| 15              | 64QAM      | 1       | 74        | 21.62                           | 21.68                              | 21.72                            |                       |             |  |  |
| 15              | 64QAM      | 36      | 0         | 21.06                           | 21.01                              | 21.06                            |                       |             |  |  |
| 15              | 64QAM      | 36      | 20        | 20.91                           | 20.99                              | 20.97                            |                       |             |  |  |
| 15              | 64QAM      | 36      | 39        | 20.99                           | 20.89                              | 20.94                            | 21.5                  | 1           |  |  |
| 15              | 64QAM      | 75      | 0         | 21.04                           | 20.90                              | 21.01                            |                       |             |  |  |
| 15              | 256QAM     | 1       | 0         | 18.90                           | 18.83                              | 18.96                            |                       |             |  |  |
| 15              | 256QAM     | 1       | 37        | 18.86                           | 18.90                              | 18.98                            |                       |             |  |  |
| 15              | 256QAM     | 1       | 74        | 18.83                           | 18.91                              | 18.91                            |                       |             |  |  |
| 15              | 256QAM     | 36      | 0         | 18.91                           | 18.97                              | 18.99                            | 19.5                  | 3           |  |  |
| 15              | 256QAM     | 36      | 20        | 18.94                           | 18.79                              | 18.84                            |                       |             |  |  |
| 15              | 256QAM     | 36      | 39        | 18.77                           | 18.82                              | 18.87                            |                       |             |  |  |
| 15              | 256QAM     | 75      | 0         | 18.96                           | 18.81                              | 18.83                            |                       |             |  |  |
| 15              | 256QAM     | 75      | 0         | 18.96                           | 18.81                              | 18.83                            |                       |             |  |  |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| Frequency [MHz] |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| 10              | QPSK       | 1       | 0         | 1865                            | 1860                               | 1905                             | 22.5                  | 0           |  |  |
| 10              | QPSK       | 1       | 0         | 21.69                           | 21.64                              | 21.70                            |                       |             |  |  |
| 10              | QPSK       | 1       | 26        | 21.63                           | 21.74                              | 21.68                            |                       |             |  |  |
| 10              | QPSK       | 1       | 49        | 21.65                           | 21.72                              | 21.73                            |                       |             |  |  |
| 10              | QPSK       | 25      | 0         | 21.72                           | 21.64                              | 21.67                            |                       |             |  |  |
| 10              | QPSK       | 25      | 0         | 21.71                           | 21.62                              | 21.71                            | 22.5                  | 0           |  |  |
| 10              | QPSK       | 25      | 26        | 21.67                           | 21.63                              | 21.73                            |                       |             |  |  |
| 10              | QPSK       | 50      | 0         | 21.69                           | 21.74                              | 21.67                            |                       |             |  |  |
| 10              | 16QAM      | 1       | 0         | 21.64                           | 21.62                              | 21.66                            |                       |             |  |  |
| 10              | 16QAM      | 1       | 26        | 21.71                           | 21.69                              | 21.66                            |                       |             |  |  |
| 10              | 16QAM      | 1       | 49        | 21.65                           | 21.61                              | 21.67                            | 22.5                  | 0           |  |  |
| 10              | 16QAM      | 25      | 0         | 21.72                           | 21.65                              | 21.69                            |                       |             |  |  |
| 10              | 16QAM      | 25      | 12        | 21.66                           | 21.66                              | 21.72                            |                       |             |  |  |
| 10              | 16QAM      | 25      | 26        | 21.71                           | 21.66                              | 21.68                            |                       |             |  |  |
| 10              | 16QAM      | 50      | 0         | 21.60                           | 21.66                              | 21.74                            |                       |             |  |  |
| 10              | 64QAM      | 1       | 0         | 21.70                           | 21.66                              | 21.71                            | 22.5                  | 0           |  |  |
| 10              | 64QAM      | 1       | 0         | 21.62                           | 21.62                              | 21.67                            |                       |             |  |  |
| 10              | 64QAM      | 1       | 49        | 21.59                           | 21.74                              | 21.73                            |                       |             |  |  |
| 10              | 64QAM      | 25      | 0         | 20.95                           | 21.03                              | 20.94                            |                       |             |  |  |
| 10              | 64QAM      | 25      | 26        | 20.96                           | 20.99                              | 20.97                            |                       |             |  |  |
| 10              | 64QAM      | 25      | 26        | 20.97                           | 20.90                              | 20.93                            | 21.5                  | 1           |  |  |
| 10              | 64QAM      | 50      | 0         | 20.89                           | 20.94                              | 20.92                            |                       |             |  |  |
| 10              | 64QAM      | 50      | 0         | 18.94                           | 18.93                              | 18.95                            |                       |             |  |  |
| 10              | 256QAM     | 1       | 0         | 18.98                           | 18.91                              | 19.02                            |                       |             |  |  |
| 10              | 256QAM     | 1       | 26        | 18.96                           | 18.96                              | 18.98                            |                       |             |  |  |
| 10              | 256QAM     | 25      | 0         | 18.93                           | 18.94                              | 18.95                            | 19.5                  | 3           |  |  |
| 10              | 256QAM     | 25      | 12        | 18.89                           | 18.91                              | 18.86                            |                       |             |  |  |
| 10              | 256QAM     | 25      | 26        | 18.79                           | 18.81                              | 18.84                            |                       |             |  |  |
| 10              | 256QAM     | 50      | 0         | 18.98                           | 18.84                              | 18.92                            |                       |             |  |  |
| 10              | 256QAM     | 50      | 0         | 18.98                           | 18.84                              | 18.92                            |                       |             |  |  |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| Frequency [MHz] |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| 5               | QPSK       | 1       | 0         | 1865                            | 1860                               | 1905                             | 22.5                  | 0           |  |  |
| 5               | QPSK       | 1       | 12        | 21.61                           | 21.64                              | 21.75                            |                       |             |  |  |
| 5               | QPSK       | 1       | 24        | 21.60                           | 21.68                              | 21.68                            |                       |             |  |  |
| 5               | QPSK       | 12      | 0         | 21.69                           | 21.72                              | 21.64                            |                       |             |  |  |
| 5               | QPSK       | 12      | 7         | 21.60                           | 21.71                              | 21.63                            |                       |             |  |  |
| 5               | QPSK       | 12      | 13        | 21.69                           | 21.70                              | 21.72                            | 22.5                  | 0           |  |  |
| 5               | QPSK       | 25      | 0         | 21.71                           | 21.66                              | 21.62                            |                       |             |  |  |
| 5               | 16QAM      | 1       | 0         | 21.68                           | 21.67                              | 21.75                            |                       |             |  |  |
| 5               | 16QAM      | 1       | 12        | 21.61                           | 21.62                              | 21.75                            |                       |             |  |  |
| 5               | 16QAM      | 1       | 24        | 21.62                           | 21.68                              | 21.75                            |                       |             |  |  |
| 5               | 16QAM      | 12      | 0         | 21.62                           | 21.66                              | 21.64                            | 22.5                  | 0           |  |  |
| 5               | 16QAM      | 12      | 7         | 21.70                           | 21.65                              | 21.69                            |                       |             |  |  |
| 5               | 16QAM      | 12      | 13        | 21.99                           | 21.72                              | 21.71                            |                       |             |  |  |
| 5               | 16QAM      | 25      | 0         | 21.71                           | 21.62                              | 21.69                            |                       |             |  |  |
| 5               | 16QAM      | 25      | 13        | 21.71                           | 21.62                              | 21.69                            |                       |             |  |  |
| 5               | 64QAM      | 1       | 0         | 21.62                           | 21.65                              | 21.67                            | 22.5                  | 0           |  |  |
| 5               | 64QAM      | 1       | 12        | 21.70                           | 21.67                              | 21.73                            |                       |             |  |  |
| 5               | 64QAM      | 1       | 14        | 21.68                           | 21.68                              | 21.68                            |                       |             |  |  |
| 5               | 64QAM      | 12      | 0         | 20.90                           | 21.00                              | 20.91                            |                       |             |  |  |
| 5               | 64QAM      | 12      | 7         | 20.90                           | 20.97                              | 21.00                            |                       |             |  |  |
| 5               | 64QAM      | 12      | 13        | 20.91                           | 20.84                              | 20.87                            | 21.5                  | 1           |  |  |
| 5               | 64QAM      | 25      | 0         | 20.94                           | 20.90                              | 20.93                            |                       |             |  |  |
| 5               | 256QAM     | 1       | 0         | 18.89                           | 18.88                              | 18.98                            |                       |             |  |  |
| 5               | 256QAM     | 1       | 12        | 18.97                           | 18.80                              | 18.98                            |                       |             |  |  |
| 5               | 256QAM     | 1       | 24        | 18.81                           | 18.84                              | 18.93                            |                       |             |  |  |
| 5               | 256QAM     | 12      | 0         | 18.91                           | 18.95                              | 18.93                            | 19.5                  | 3           |  |  |
| 5               | 256QAM     | 12      | 7         | 18.90                           | 18.84                              | 18.81                            |                       |             |  |  |
| 5               | 256QAM     | 12      | 13        | 18.79                           | 18.81                              | 18.90                            |                       |             |  |  |
| 5               | 256QAM     | 25      | 0         | 18.93                           | 18.88                              | 18.90                            |                       |             |  |  |
| 5               | 256QAM     | 25      | 0         | 18.93                           | 18.88                              | 18.90                            |                       |             |  |  |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| Frequency [MHz] |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| 3               | QPSK       | 1       | 0         | 1865                            | 1860                               | 1905                             | 22.5                  | 0           |  |  |
| 3               | QPSK       | 1       | 0         | 21.64                           | 21.62                              | 21.73                            |                       |             |  |  |
| 3               | QPSK       | 1       | 8         | 21.65                           | 21.74                              | 21.63                            |                       |             |  |  |
| 3               | QPSK       | 1       | 14        | 21.61                           | 21.68                              | 21.68                            |                       |             |  |  |
| 3               | QPSK       | 6       | 0         | 21.61                           | 21.68                              | 21.67                            |                       |             |  |  |
| 3               | QPSK       | 6       | 4         | 21.65                           | 21.70                              | 21.63                            | 22.5                  | 0           |  |  |
| 3               | QPSK       | 8       | 0         | 21.69                           | 21.74                              | 21.67                            |                       |             |  |  |
| 3               | QPSK       | 15      | 0         | 21.72                           | 21.70                              | 21.73                            |                       |             |  |  |
| 3               | 16QAM      | 1       | 0         | 21.60                           | 21.61                              | 21.70                            |                       |             |  |  |
| 3               | 16QAM      | 1       | 8         | 21.64                           | 21.70                              | 21.67                            |                       |             |  |  |
| 3               | 16QAM      | 1       | 14        | 21.71                           | 21.66                              | 21.63                            | 22.5                  | 0           |  |  |
| 3               | 16QAM      | 8       | 0         | 21.62                           | 21.65                              | 21.72                            |                       |             |  |  |
| 3               | 16QAM      | 8       | 4         | 21.61                           | 21.66                              | 21.75                            |                       |             |  |  |
| 3               | 16QAM      | 8       | 7         | 21.67                           | 21.70                              | 21.62                            |                       |             |  |  |
| 3               | 16QAM      | 15      | 0         | 21.64                           | 21.70                              | 21.62                            |                       |             |  |  |
| 3               | 64QAM      | 1       | 0         | 21.67                           | 21.69                              | 21.62                            | 22.5                  | 0           |  |  |
| 3               | 64QAM      | 1       | 8         | 21.66                           | 21.74                              | 21.71                            |                       |             |  |  |
| 3               | 64QAM      | 1       | 14        | 21.70                           | 21.67                              | 21.69                            |                       |             |  |  |
| 3               | 64QAM      | 8       | 0         | 20.93                           | 20.93                              | 20.90                            |                       |             |  |  |
| 3               | 64QAM      | 8       | 4         | 20.94                           | 20.90                              | 20.95                            | 21.5                  | 1           |  |  |
| 3               | 64QAM      | 8       | 7         | 20.89                           | 20.81                              | 20.95                            |                       |             |  |  |
| 3               | 64QAM      | 15      | 0         | 20.91                           | 20.99                              | 21.02                            |                       |             |  |  |
| 3               | 256QAM     | 1       | 0         | 19.00                           | 18.84                              | 18.87                            |                       |             |  |  |
| 3               | 256QAM     | 1       | 8         | 18.95                           | 18.88                              | 19.01                            |                       |             |  |  |
| 3               | 256QAM     | 1       | 8         | 18.84                           | 18.84                              | 18.94                            | 19.5                  | 3           |  |  |
| 3               | 256QAM     | 8       | 0         | 18.81                           | 18.93                              | 19.03                            |                       |             |  |  |
| 3               | 256QAM     | 8       | 4         | 18.91                           | 18.83                              | 18.92                            |                       |             |  |  |
| 3               | 256QAM     | 8       | 7         | 18.90                           | 18.79                              | 18.95                            |                       |             |  |  |
| 3               | 256QAM     | 15      | 0         | 18.92                           | 18.89                              | 18.93                            |                       |             |  |  |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| Frequency [MHz] |            |         |           |                                 |                                    |                                  |                       |             |  |  |
| 1.4             | QPSK       | 1       | 0         | 21.65                           | 21.62                              | 21.71                            | 22.5                  | 0           |  |  |
| 1.4             | QPSK       | 1       | 3         | 21.59                           | 21.70                              | 21.67                            |                       |             |  |  |
| 1.4             | QPSK       | 1       | 6         | 21.65                           | 21.69                              | 21.70                            |                       |             |  |  |
| 1.4             | QPSK       | 3       | 0         | 21.69                           | 21.73                              | 21.65                            |                       |             |  |  |
| 1.4             | QPSK       | 3       | 1         | 21.59                           | 21.73                              | 21.73                            |                       |             |  |  |
| 1.4             | QPSK       | 3       | 3         | 21.64                           | 21.63                              | 21.73                            | 22.5                  | 0           |  |  |
| 1.4             | QPSK       | 6       | 0         | 21.63                           | 21.63                              | 21.65                            |                       |             |  |  |
| 1.4             | 16QAM      | 1       | 0         | 21.63                           | 21.63                              | 21.62                            |                       |             |  |  |
| 1.4             | 16QAM      | 1       | 3         | 21.63                           | 21.73                              | 21.65                            |                       |             |  |  |
| 1.4             | 16QAM      | 1       | 5         | 21.65                           | 21.62                              | 21.65                            |                       |             |  |  |
| 1.4             | 16QAM      | 3       | 0         | 21.70                           | 21.70                              | 21.68                            | 22.5                  | 0           |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.63                           | 21.73                              | 21.62                            |                       |             |  |  |
| 1.4             | 16QAM      | 3       | 3         | 21.61                           | 21.74                              | 21.73                            |                       |             |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.64                           | 21.71                              | 21.72                            |                       |             |  |  |
| 1.4             | 16QAM      | 3       | 1         | 21.65                           | 21.61                              | 21.71                            |                       |             |  |  |
| 1.4             | 64QAM      | 1       | 0         | 21.59                           | 21.70                              | 21.72                            | 22.5                  | 0           |  |  |
| 1.4             | 64QAM      | 1       | 3         | 21.59                           | 21.73                              | 21.73                            |                       |             |  |  |
| 1.4             | 64QAM      | 3       | 0         | 21.70                           | 21.65                              | 21.72                            |                       |             |  |  |
| 1.4             | 64QAM      | 3       | 1         | 21.63                           | 21.77                              | 21.67                            |                       |             |  |  |
| 1.4             | 64QAM      | 3       | 3         | 21.71                           | 21.67                              | 21.67                            | 21.5                  | 1           |  |  |
| 1.4             | 64QAM      | 6       | 0         | 20.91                           | 20.88                              | 21.01                            |                       |             |  |  |
| 1.4             | 256QAM     | 1       | 0         | 18.84                           | 18.81                              | 18.96                            |                       |             |  |  |
| 1.4             | 256QAM     | 1       | 3         | 18.98                           | 18.87                              | 18.90                            |                       |             |  |  |
| 1.4             | 256QAM     | 1       | 5         | 18.82                           | 18.82                              | 18.89                            |                       |             |  |  |
| 1.4             | 256QAM     | 3       | 0         | 18.91                           | 18.90                              | 18.91                            | 19.5                  | 3           |  |  |
| 1.4             | 256QAM     | 3       | 1         | 19.00                           | 18.90                              | 19.00                            |                       |             |  |  |
| 1.4             | 256QAM     | 3       | 3         | 18.90                           | 18.75                              | 18.89                            |                       |             |  |  |
| 1.4             | 256QAM     | 3       | 3         | 18.90                           | 18.75                              | 18.93                            |                       |             |  |  |
| 1.4             | 256QAM     | 3       | 3         | 18.90                           | 18.75                              | 18.93                            |                       |             |  |  |
| 1.4             | 256QAM     | 3       | 3         | 18.90                           | 18.75                              | 18.93                            |                       |             |  |  |
| 1.4             | 256QAM     | 3       | 3         | 18.90                           | 18.75                              | 18.93                            |                       |             |  |  |

## Band 5\_Ant 0

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>26050 | Power Middle<br>Ch. Freq.<br>26025 | Power High<br>Ch. Freq.<br>26000 | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|---------------------------------|------------------------------------|----------------------------------|-----------------------|-------------|
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                       |             |
| 10              | QPSK       | 1       | 0         | 23.92                           | 23.94                              | 24.03                            | 25                    | 0           |
| 10              | QPSK       | 1       | 26        | 23.92                           | 23.94                              | 24.01                            |                       |             |
| 10              | QPSK       | 1       | 49        | 23.93                           | 24.01                              | 24.00                            |                       |             |
| 10              | QPSK       | 25      | 0         | 22.92                           | 23.05                              | 23.03                            |                       |             |
| 10              | QPSK       | 25      | 12        | 22.89                           | 22.96                              | 22.92                            |                       |             |
| 10              | QPSK       | 25      | 25        | 22.88                           | 22.88                              | 23.02                            | 24                    | 1           |
| 10              | QPSK       | 50      | 0         | 22.89                           | 23.05                              | 23.03                            |                       |             |
| 10              | 16QAM      | 1       | 0         | 23.09                           | 23.31                              | 23.24                            |                       |             |
| 10              | 16QAM      | 1       | 26        | 23.08                           | 23.15                              | 23.17                            |                       |             |
| 10              | 16QAM      | 1       | 49        | 23.23                           | 23.10                              | 23.20                            |                       |             |
| 10              | 16QAM      | 25      | 0         | 21.97                           | 21.90                              | 22.02                            | 23                    | 2           |
| 10              | 16QAM      | 25      | 12        | 21.93                           | 21.97                              | 21.94                            |                       |             |
| 10              | 16QAM      | 25      | 25        | 21.85                           | 21.89                              | 22.03                            |                       |             |
| 10              | 16QAM      | 50      | 0         | 21.83                           | 21.87                              | 22.06                            |                       |             |
| 10              | 64QAM      | 1       | 0         | 22.07                           | 22.13                              | 22.09                            |                       |             |
| 10              | 64QAM      | 1       | 26        | 22.01                           | 22.16                              | 22.03                            | 23                    | 2           |
| 10              | 64QAM      | 1       | 49        | 22.18                           | 22.08                              | 22.22                            |                       |             |
| 10              | 64QAM      | 25      | 0         | 20.98                           | 20.93                              | 21.06                            |                       |             |
| 10              | 64QAM      | 25      | 12        | 20.95                           | 20.98                              | 21.00                            |                       |             |
| 10              | 64QAM      | 25      | 25        | 20.95                           | 20.91                              | 21.11                            |                       |             |
| 10              | 256QAM     | 50      | 0         | 20.94                           | 20.92                              | 21.07                            | 20                    | 5           |
| 10              | 256QAM     | 1       | 0         | 18.68                           | 18.70                              | 18.70                            |                       |             |
| 10              | 256QAM     | 1       | 26        | 18.62                           | 18.76                              | 18.66                            |                       |             |
| 10              | 256QAM     | 1       | 49        | 18.79                           | 18.98                              | 18.89                            |                       |             |
| 10              | 256QAM     | 25      | 0         | 18.69                           | 18.83                              | 18.69                            |                       |             |
| 10              | 256QAM     | 25      | 12        | 18.56                           | 18.75                              | 18.67                            | 20                    | 5           |
| 10              | 256QAM     | 25      | 25        | 18.64                           | 18.83                              | 18.74                            |                       |             |
| 10              | 256QAM     | 50      | 0         | 18.72                           | 18.85                              | 18.68                            |                       |             |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                       |             |
| 5               | QPSK       | 1       | 0         | 23.83                           | 23.88                              | 23.97                            | 25                    | 0           |
| 5               | QPSK       | 1       | 12        | 23.82                           | 23.78                              | 23.85                            |                       |             |
| 5               | QPSK       | 1       | 24        | 23.81                           | 23.93                              | 23.83                            |                       |             |
| 5               | QPSK       | 12      | 0         | 22.81                           | 22.88                              | 22.93                            |                       |             |
| 5               | QPSK       | 12      | 7         | 22.78                           | 22.79                              | 22.77                            |                       |             |
| 5               | QPSK       | 12      | 13        | 22.73                           | 22.79                              | 22.86                            | 24                    | 1           |
| 5               | QPSK       | 25      | 0         | 22.77                           | 22.89                              | 22.88                            |                       |             |
| 5               | 16QAM      | 1       | 0         | 22.97                           | 23.17                              | 23.11                            |                       |             |
| 5               | 16QAM      | 1       | 12        | 22.91                           | 23.00                              | 23.05                            |                       |             |
| 5               | 16QAM      | 1       | 24        | 23.04                           | 22.99                              | 23.14                            |                       |             |
| 5               | 16QAM      | 12      | 0         | 21.82                           | 21.74                              | 21.94                            | 23                    | 2           |
| 5               | 16QAM      | 12      | 7         | 21.77                           | 21.91                              | 21.88                            |                       |             |
| 5               | 16QAM      | 12      | 13        | 21.70                           | 21.80                              | 21.95                            |                       |             |
| 5               | 16QAM      | 25      | 0         | 21.84                           | 21.81                              | 21.97                            |                       |             |
| 5               | 64QAM      | 1       | 0         | 21.90                           | 21.97                              | 22.01                            |                       |             |
| 5               | 64QAM      | 1       | 12        | 21.80                           | 22.07                              | 21.94                            | 23                    | 2           |
| 5               | 64QAM      | 1       | 24        | 22.10                           | 21.92                              | 22.15                            |                       |             |
| 5               | 64QAM      | 12      | 0         | 20.92                           | 20.81                              | 20.99                            |                       |             |
| 5               | 64QAM      | 12      | 7         | 20.89                           | 20.81                              | 20.87                            |                       |             |
| 5               | 64QAM      | 12      | 13        | 20.93                           | 20.84                              | 21.01                            |                       |             |
| 5               | 256QAM     | 25      | 0         | 18.56                           | 18.67                              | 18.58                            | 20                    | 5           |
| 5               | 256QAM     | 1       | 0         | 18.56                           | 18.60                              | 18.70                            |                       |             |
| 5               | 256QAM     | 1       | 12        | 18.50                           | 18.85                              | 18.60                            |                       |             |
| 5               | 256QAM     | 1       | 24        | 18.60                           | 18.80                              | 18.76                            |                       |             |
| 5               | 256QAM     | 12      | 0         | 18.54                           | 18.69                              | 18.59                            |                       |             |
| 5               | 256QAM     | 12      | 7         | 18.42                           | 18.65                              | 18.56                            | 20                    | 5           |
| 5               | 256QAM     | 12      | 13        | 18.57                           | 18.68                              | 18.67                            |                       |             |
| 5               | 256QAM     | 25      | 0         | 18.56                           | 18.60                              | 18.62                            |                       |             |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                       |             |
| 3               | QPSK       | 1       | 0         | 23.79                           | 23.89                              | 23.88                            | 25                    | 0           |
| 3               | QPSK       | 1       | 8         | 23.78                           | 23.87                              | 23.95                            |                       |             |
| 3               | QPSK       | 1       | 24        | 23.75                           | 23.93                              | 23.90                            |                       |             |
| 3               | QPSK       | 8       | 0         | 22.80                           | 22.90                              | 22.87                            |                       |             |
| 3               | QPSK       | 8       | 7         | 22.80                           | 22.79                              | 22.78                            |                       |             |
| 3               | QPSK       | 8       | 7         | 22.78                           | 22.79                              | 22.91                            | 24                    | 1           |
| 3               | 16QAM      | 15      | 0         | 22.74                           | 22.83                              | 22.85                            |                       |             |
| 3               | 16QAM      | 1       | 0         | 22.94                           | 23.21                              | 23.18                            |                       |             |
| 3               | 16QAM      | 1       | 8         | 22.94                           | 22.98                              | 23.10                            |                       |             |
| 3               | 16QAM      | 1       | 14        | 23.09                           | 23.02                              | 23.05                            |                       |             |
| 3               | 16QAM      | 8       | 0         | 21.90                           | 21.84                              | 21.89                            | 23                    | 2           |
| 3               | 16QAM      | 8       | 4         | 21.74                           | 21.83                              | 21.85                            |                       |             |
| 3               | 16QAM      | 8       | 7         | 21.82                           | 21.74                              | 21.92                            |                       |             |
| 3               | 16QAM      | 15      | 0         | 21.82                           | 21.77                              | 21.95                            |                       |             |
| 3               | 64QAM      | 1       | 0         | 21.98                           | 22.01                              | 21.92                            |                       |             |
| 3               | 64QAM      | 1       | 8         | 21.87                           | 22.10                              | 21.92                            | 23                    | 2           |
| 3               | 64QAM      | 1       | 14        | 22.01                           | 21.90                              | 22.08                            |                       |             |
| 3               | 64QAM      | 8       | 0         | 20.83                           | 20.78                              | 20.97                            |                       |             |
| 3               | 64QAM      | 8       | 4         | 20.76                           | 20.82                              | 20.84                            |                       |             |
| 3               | 64QAM      | 8       | 7         | 20.80                           | 20.77                              | 20.98                            |                       |             |
| 3               | 256QAM     | 1       | 0         | 18.84                           | 20.78                              | 20.95                            | 20                    | 5           |
| 3               | 256QAM     | 1       | 8         | 18.82                           | 18.73                              | 18.84                            |                       |             |
| 3               | 256QAM     | 1       | 14        | 18.73                           | 18.67                              | 18.74                            |                       |             |
| 3               | 256QAM     | 1       | 24        | 18.50                           | 18.70                              | 18.53                            |                       |             |
| 3               | 256QAM     | 8       | 0         | 18.49                           | 18.67                              | 18.56                            |                       |             |
| 3               | 256QAM     | 8       | 4         | 18.48                           | 18.74                              | 18.60                            | 20                    | 5           |
| 3               | 256QAM     | 8       | 7         | 18.48                           | 18.70                              | 18.62                            |                       |             |
| 3               | 256QAM     | 15      | 0         | 18.63                           | 18.70                              | 18.62                            |                       |             |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                       |             |
| 1.4             | QPSK       | 1       | 0         | 23.91                           | 23.90                              | 23.93                            | 25                    | 0           |
| 1.4             | QPSK       | 1       | 2         | 23.74                           | 23.81                              | 23.94                            |                       |             |
| 1.4             | QPSK       | 1       | 24        | 23.75                           | 23.95                              | 23.86                            |                       |             |
| 1.4             | QPSK       | 3       | 0         | 23.76                           | 23.93                              | 23.88                            |                       |             |
| 1.4             | QPSK       | 3       | 1         | 23.81                           | 23.86                              | 23.76                            |                       |             |
| 1.4             | QPSK       | 3       | 3         | 23.73                           | 23.77                              | 23.83                            | 24                    | 1           |
| 1.4             | QPSK       | 6       | 0         | 22.80                           | 22.96                              | 22.83                            |                       |             |
| 1.4             | 16QAM      | 1       | 0         | 23.02                           | 23.18                              | 23.18                            |                       |             |
| 1.4             | 16QAM      | 1       | 3         | 23.00                           | 23.02                              | 22.99                            |                       |             |
| 1.4             | 16QAM      | 1       | 5         | 23.12                           | 22.91                              | 23.13                            |                       |             |
| 1.4             | 16QAM      | 3       | 0         | 22.91                           | 22.83                              | 22.83                            | 24                    | 1           |
| 1.4             | 16QAM      | 3       | 1         | 22.84                           | 22.79                              | 22.81                            |                       |             |
| 1.4             | 16QAM      | 3       | 3         | 22.77                           | 22.83                              | 22.92                            |                       |             |
| 1.4             | 16QAM      | 6       | 0         | 21.84                           | 21.70                              | 21.97                            |                       |             |
| 1.4             | 64QAM      | 1       | 0         | 21.92                           | 21.97                              | 22.01                            |                       |             |
| 1.4             | 64QAM      | 1       | 3         | 21.86                           | 21.96                              | 21.92                            | 23                    | 2           |
| 1.4             | 64QAM      | 1       | 5         | 22.05                           | 21.97                              | 22.16                            |                       |             |
| 1.4             | 64QAM      | 3       | 0         | 21.87                           | 21.86                              | 21.92                            |                       |             |
| 1.4             | 64QAM      | 3       | 1         | 21.79                           | 21.90                              | 21.93                            |                       |             |
| 1.4             | 64QAM      | 3       | 3         | 21.89                           | 21.81                              | 21.93                            |                       |             |
| 1.4             | 256QAM     | 1       | 0         | 20.75                           | 20.81                              | 21.01                            | 22                    | 3           |
| 1.4             | 256QAM     | 1       | 0         | 18.52                           | 18.78                              | 18.53                            |                       |             |
| 1.4             | 256QAM     | 1       | 3         | 18.54                           | 18.65                              | 18.51                            |                       |             |
| 1.4             | 256QAM     | 1       | 5         | 18.65                           | 18.86                              | 18.71                            |                       |             |
| 1.4             | 256QAM     | 3       | 0         | 18.57                           | 18.65                              | 18.55                            |                       |             |
| 1.4             | 256QAM     | 3       | 1         | 18.45                           | 18.69                              | 18.53                            | 20                    | 5           |
| 1.4             | 256QAM     | 3       | 3         | 18.56                           | 18.61                              | 18.61                            |                       |             |
| 1.4             | 256QAM     | 6       | 0         | 18.59                           | 18.72                              | 18.61                            |                       |             |

## Band 7\_Ant 4

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>20650 | Power Middle<br>Ch. Freq.<br>20625 | Power High<br>Ch. Freq.<br>20650 | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|---------------------------------|------------------------------------|----------------------------------|-----------------------|-------------|
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                       |             |
| 20              | QPSK       | 1       | 0         | 13.67                           | 13.67                              | 13.67                            | 14.5                  | 0           |
| 20              | QPSK       | 1       | 49        | 13.64                           | 13.71                              | 13.80                            |                       |             |
| 20              | QPSK       | 1       | 99        | 13.73                           | 13.78                              | 13.86                            |                       |             |
| 20              | QPSK       | 50      | 0         | 13.67                           | 13.72                              | 13.74                            |                       |             |
| 20              | QPSK       | 50      | 24        | 13.68                           | 13.71                              | 13.81                            |                       |             |
| 20              | QPSK       | 50      | 50        | 13.71                           | 13.75                              | 13.83                            | 14.5                  | 0           |
| 20              | QPSK       | 100     | 0         | 13.70                           | 13.73                              | 13.81                            |                       |             |
| 20              | 16QAM      | 1       | 0         | 13.61                           | 13.69                              | 13.80                            |                       |             |
| 20              | 16QAM      | 1       | 49        | 13.59                           | 13.67                              | 13.79                            |                       |             |
| 20              | 16QAM      | 50      | 24        | 13.67                           | 13.63                              | 13.75                            |                       |             |
| 20              | 16QAM      | 50      | 0         | 13.65                           | 13.64                              | 13.79                            | 14.5                  | 0           |
| 20              | 16QAM      | 50      | 24        | 13.67                           | 13.66                              | 13.75                            |                       |             |
| 20              | 16QAM      | 50      | 50        | 13.66                           | 13.62                              | 13.73                            |                       |             |
| 20              | 16QAM      | 100     | 0         | 13.60                           | 13.67                              | 13.70                            |                       |             |
| 20              | 64QAM      | 1       | 0         | 13.63                           | 13.62                              | 13.70                            |                       |             |
| 20              | 64QAM      | 1       | 49        | 13.67                           | 13.71                              | 13.79                            | 14.5                  | 0           |
| 20              | 64QAM      | 1       | 99        | 13.61                           | 13.71                              | 13.79                            |                       |             |
| 20              | 64QAM      | 50      | 0         | 13.61                           | 13.72                              | 13.72                            |                       |             |
| 20              | 64QAM      | 50      | 24        | 13.65                           | 13.68                              | 13.73                            |                       |             |
| 20              | 64QAM      | 50      | 50        | 13.65                           | 13.68                              | 13.73                            |                       |             |
| 20              | 64QAM      | 100     | 0         | 13.67                           | 13.67                              | 13.72                            | 14.5                  | 0           |
| 20              | 256QAM     | 1       | 0         | 13.64                           | 13.64                              | 13.74                            |                       |             |
| 20              | 256QAM     | 1       | 99        | 13.61                           | 13.65                              | 13.77                            |                       |             |
| 20              | 256QAM     | 50      | 0         | 13.58                           | 13.62                              | 13.73                            |                       |             |
| 20              | 256QAM     | 50      | 24        | 13.68                           | 13.72                              | 13.73                            | 14.5                  | 0           |
| 20              | 256QAM     | 50      | 50        | 13.60                           | 13.67                              | 13.71                            |                       |             |
| 20              | 256QAM     | 100     | 0         | 13.67                           | 13.69                              | 13.73                            |                       |             |
| 20              | 256QAM     | 100     | 0         | 20625                           | 21100                              | 21375                            |                       |             |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                       |             |
| 15              | QPSK       | 1       | 0         | 13.69                           | 13.72                              | 13.72                            | 14.5                  | 0           |
| 15              | QPSK       | 1       | 37        | 13.65                           | 13.67                              | 13.71                            |                       |             |
| 15              | QPSK       | 1       | 74        | 13.65                           | 13.68                              | 13.73                            |                       |             |
| 15              | QPSK       | 36      | 0         | 13.64                           | 13.70                              | 13.74                            |                       |             |
| 15              | QPSK       | 36      | 20        | 13.63                           | 13.64                              | 13.74                            |                       |             |
| 15              | QPSK       | 36      | 36        | 13.57                           | 13.67                              | 13.80                            | 14.5                  | 0           |
| 15              | QPSK       | 75      | 0         | 13.65                           | 13.70                              | 13.75                            |                       |             |
| 15              | 16QAM      | 1       | 0         | 13.67                           | 13.68                              | 13.77                            |                       |             |
| 15              | 16QAM      | 1       | 37        | 13.57                           | 13.69                              | 13.75                            |                       |             |
| 15              | 16QAM      | 1       | 74        | 13.59                           | 13.68                              | 13.81                            |                       |             |
| 15              | 16QAM      | 36      | 0         | 13.65                           | 13.71                              | 13.76                            | 14.5                  | 0           |
| 15              | 16QAM      | 36      | 20        | 13.66                           | 13.67                              | 13.76                            |                       |             |
| 15              | 16QAM      | 36      | 36        | 13.56                           | 13.67                              | 13.80                            |                       |             |
| 15              | 16QAM      | 75      | 0         | 13.63                           | 13.62                              | 13.73                            |                       |             |
| 15              | 16QAM      | 75      | 36        | 13.66                           | 13.65                              | 13.74                            |                       |             |
| 15              | 64QAM      | 1       | 0         | 13.63                           | 13.71                              | 13.80                            | 14.5                  | 0           |
| 15              | 64QAM      | 1       | 37        | 13.66                           | 13.63                              | 13.73                            |                       |             |
| 15              | 64QAM      | 1       | 74        | 13.66                           | 13.66                              | 13.77                            |                       |             |
| 15              | 64QAM      | 36      | 0         | 13.59                           | 13.73                              | 13.79                            |                       |             |
| 15              | 64QAM      | 36      | 20        | 13.59                           | 13.65                              | 13.78                            |                       |             |
| 15              | 64QAM      | 36      | 36        | 13.68                           | 13.70                              | 13.76                            | 14.5                  | 0           |
| 15              | 64QAM      | 75      | 0         | 13.58                           | 13.63                              | 13.75                            |                       |             |
| 15              | 64QAM      | 75      | 36        | 13.61                           | 13.68                              | 13.78                            |                       |             |
| 15              | 256QAM     | 1       | 37        | 13.66                           | 13.71                              | 13.81                            |                       |             |
| 15              | 256QAM     | 1       | 74        | 13.58                           | 13.66                              | 13.70                            |                       |             |
| 15              | 256QAM     | 36      | 0         | 13.63                           | 13.68                              | 13.78                            | 14.5                  | 0           |
| 15              | 256QAM     | 36      | 20        | 13.64                           | 13.71                              | 13.77                            |                       |             |
| 15              | 256QAM     | 36      | 36        | 13.63                           | 13.73                              | 13.76                            |                       |             |
| 15              | 256QAM     | 75      | 0         | 13.64                           | 13.68                              | 13.71                            |                       |             |
| 15              | 256QAM     | 75      | 36        | 20600                           | 21100                              | 21400                            |                       |             |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                       |             |
| 10              | QPSK       | 1       | 0         | 13.59                           | 13.70                              | 13.80                            | 14.5                  | 0           |
| 10              | QPSK       | 1       | 25        | 13.68                           | 13.73                              | 13.78                            |                       |             |
| 10              | QPSK       | 1       | 50        | 13.66                           | 13.68                              | 13.73                            |                       |             |
| 10              | QPSK       | 25      | 0         | 13.63                           | 13.65                              | 13.70                            |                       |             |
| 10              | QPSK       | 25      | 12        | 13.60                           | 13.72                              | 13.79                            |                       |             |
| 10              | QPSK       | 25      | 38        | 13.58                           | 13.71                              | 13.78                            | 14.5                  | 0           |
| 10              | QPSK       | 50      | 0         | 13.64                           | 13.64                              | 13.74                            |                       |             |
| 10              | 16QAM      | 1       | 0         | 13.67                           | 13.62                              | 13.74                            |                       |             |
| 10              | 16QAM      | 1       | 25        | 13.67                           | 13.73                              | 13.81                            |                       |             |
| 10              | 16QAM      | 1       | 50        | 13.63                           | 13.64                              | 13.75                            |                       |             |
| 10              | 16QAM      | 25      | 0         | 13.60                           | 13.64                              | 13.78                            | 14.5                  | 0           |
| 10              | 16QAM      | 25      | 12        | 13.64                           | 13.62                              | 13.71                            |                       |             |
| 10              | 16QAM      | 25      | 25        | 13.65                           | 13.71                              | 13.70                            |                       |             |
| 10              | 16QAM      | 50      | 0         | 13.59                           | 13.63                              | 13.70                            |                       |             |
| 10              | 64QAM      | 1       | 0         | 13.67                           | 13.64                              | 13.72                            |                       |             |
| 10              | 64QAM      | 1       | 25        | 13.61                           | 13.66                              | 13.81                            | 14.5                  | 0           |
| 10              | 64QAM      | 1       | 50        | 13.62                           | 13.64                              | 13.81                            |                       |             |
| 10              | 64QAM      | 25      | 0         | 13.63                           | 13.63                              | 13.73                            |                       |             |
| 10              | 64QAM      | 25      | 12        | 13.61                           | 13.70                              | 13.78                            |                       |             |
| 10              | 64QAM      | 25      | 25        | 13.65                           | 13.67                              | 13.73                            |                       |             |
| 10              | 64QAM      | 50      | 0         | 13.65                           | 13.63                              | 13.76                            | 14.5                  | 0           |
| 10              | 64QAM      | 50      | 0         | 13.64                           | 13.63                              | 13.72                            |                       |             |
| 10              | 256QAM     | 1       | 25        | 13.64                           | 13.66                              | 13.73                            |                       |             |
| 10              | 256QAM     | 1       | 49        | 13.61                           | 13.73                              | 13.73                            |                       |             |
| 10              | 256QAM     | 25      | 0         | 13.56                           | 13.63                              | 13.77                            |                       |             |
| 10              | 256QAM     | 25      | 12        | 13.62                           | 13.70                              | 13.79                            | 14.5                  | 0           |
| 10              | 256QAM     | 25      | 25        | 13.59                           | 13.68                              | 13.75                            |                       |             |
| 10              | 256QAM     | 50      | 0         | 13.58                           | 13.63                              | 13.76                            |                       |             |
| 10              | 256QAM     | 50      | 0         | 20775                           | 21100                              | 21400                            |                       |             |
| Channel         |            |         |           |                                 |                                    |                                  |                       |             |
| Frequency (MHz) |            |         |           |                                 |                                    |                                  |                       |             |
| 5               | QPSK       | 1       | 0         | 13.66                           | 13.64                              | 13.64                            | 14.5                  | 0           |
| 5               | QPSK       | 1       | 12        | 13.59                           | 13.64                              | 13.78                            |                       |             |
| 5               | QPSK       | 1       | 24        | 13.63                           | 13.65                              | 13.73                            |                       |             |
| 5               | QPSK       | 12      | 0         | 13.67                           | 13.68                              | 13.72                            |                       |             |
| 5               | QPSK       | 12      | 7         | 13.66                           | 13.73                              | 13.74                            |                       |             |
| 5               | QPSK       | 12      | 13        | 13.67                           | 13.68                              | 13.73                            | 14.5                  | 0           |
| 5               | QPSK       | 50      | 0         | 13.64                           | 13.62                              | 13.74                            |                       |             |
| 5               | 16QAM      | 1       | 0         | 13.61                           | 13.72                              | 13.73                            |                       |             |
| 5               | 16QAM      | 1       | 12        | 13.67                           | 13.66                              | 13.76                            |                       |             |
| 5               | 16QAM      | 1       | 24        | 13.63                           | 13.66                              | 13.73                            |                       |             |
| 5               | 16QAM      | 12      | 0         | 13.66                           | 13.65                              | 13.70                            | 14.5                  | 0           |
| 5               | 16QAM      | 12      | 7         | 13.65                           | 13.66                              | 13.77                            |                       |             |
| 5               | 16QAM      | 12      | 13        | 13.61                           | 13.65                              | 13.77                            |                       |             |
| 5               | 16QAM      | 25      | 0         | 13.58                           | 13.63                              | 13.73                            |                       |             |
| 5               | 64QAM      | 1       | 0         | 13.65                           | 13.63                              | 13.76                            |                       |             |
| 5               | 64QAM      | 1       | 12        | 13.64                           | 13.66                              | 13.78                            | 14.5                  | 0           |
| 5               | 64QAM      | 1       | 24        | 13.62                           | 13.73                              | 13.75                            |                       |             |
| 5               | 64QAM      | 12      | 0         | 13.61                           | 13.71                              | 13.75                            |                       |             |
| 5               | 64QAM      | 12      | 7         | 13.66                           | 13.72                              | 13.78                            |                       |             |
| 5               | 64QAM      | 12      | 13        | 13.59                           | 13.65                              | 13.74                            |                       |             |
| 5               | 64QAM      | 25      | 0         | 13.64                           | 13.68                              | 13.71                            | 14.5                  | 0           |
| 5               | 64QAM      | 25      | 0         | 13.62                           | 13.68                              | 13.78                            |                       |             |
| 5               | 256QAM     | 1       | 12        | 13.59                           | 13.71                              | 13.70                            |                       |             |
| 5               | 256QAM     | 1       | 24        | 13.60                           | 13.68                              | 13.70                            |                       |             |
| 5               | 256QAM     | 12      | 0         | 13.63                           | 13.71                              | 13.76                            |                       |             |
| 5               | 256QAM     | 12      | 7         | 13.60                           | 13.71                              | 13.76                            | 14.5                  | 0           |
| 5               | 256QAM     | 12      | 13        | 13.65                           | 13.65                              | 13.79                            |                       |             |
| 5               | 256QAM     | 25      | 0         | 13.69                           | 13.63                              | 13.77                            |                       |             |
| 5               | 256QAM     | 25      | 0         | 13.69                           | 13.63                              | 13.77                            |                       |             |

## Band 12\_Ant 0

| BW (MHz) | Modulation | Channel         | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>23060 | Power Middle<br>Ch. / Freq.<br>23095 | Power High<br>Ch. / Freq.<br>23130 | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
|----------|------------|-----------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|-----------------------|-------------|
| 10       | QPSK       | Frequency (MHz) | 1       | 0         | 24.12                             | 24.12                                | 24.12                              | 25                    | 0           |
| 10       | QPSK       |                 | 1       | 25        | 24.07                             | 24.15                                | 24.03                              |                       |             |
| 10       | QPSK       |                 | 1       | 49        | 24.07                             | 24.10                                | 24.10                              |                       |             |
| 10       | QPSK       |                 | 25      | 0         | 23.10                             | 23.13                                | 23.11                              |                       |             |
| 10       | QPSK       |                 | 25      | 12        | 23.00                             | 23.07                                | 23.09                              | 24                    | 1           |
| 10       | QPSK       |                 | 25      | 25        | 23.09                             | 23.10                                | 23.10                              |                       |             |
| 10       | QPSK       |                 | 50      | 0         | 23.11                             | 23.12                                | 23.11                              |                       |             |
| 10       | 16QAM      |                 | 1       | 0         | 23.30                             | 23.37                                | 23.39                              |                       |             |
| 10       | 16QAM      |                 | 1       | 25        | 23.26                             | 23.32                                | 23.32                              | 24                    | 1           |
| 10       | 16QAM      |                 | 1       | 49        | 23.32                             | 23.48                                | 23.38                              |                       |             |
| 10       | 16QAM      |                 | 25      | 0         | 22.08                             | 22.06                                | 22.09                              |                       |             |
| 10       | 16QAM      |                 | 25      | 12        | 22.02                             | 22.06                                | 22.11                              |                       |             |
| 10       | 16QAM      |                 | 25      | 25        | 22.11                             | 22.12                                | 22.10                              | 23                    | 2           |
| 10       | 16QAM      |                 | 50      | 0         | 22.14                             | 22.11                                | 22.11                              |                       |             |
| 10       | 64QAM      |                 | 1       | 0         | 22.34                             | 22.16                                | 22.35                              |                       |             |
| 10       | 64QAM      |                 | 1       | 25        | 22.25                             | 22.24                                | 22.17                              | 23                    | 2           |
| 10       | 64QAM      |                 | 1       | 49        | 22.28                             | 22.35                                | 22.41                              |                       |             |
| 10       | 64QAM      |                 | 25      | 0         | 21.09                             | 21.09                                | 21.04                              |                       |             |
| 10       | 64QAM      |                 | 25      | 12        | 21.04                             | 21.06                                | 21.08                              |                       |             |
| 10       | 64QAM      |                 | 25      | 25        | 21.14                             | 21.08                                | 21.12                              | 22                    | 3           |
| 10       | 64QAM      |                 | 50      | 0         | 21.13                             | 21.03                                | 21.12                              |                       |             |
| 10       | 256QAM     |                 | 1       | 0         | 18.69                             | 18.67                                | 18.67                              |                       |             |
| 10       | 256QAM     |                 | 1       | 25        | 18.63                             | 18.70                                | 18.50                              |                       |             |
| 10       | 256QAM     |                 | 1       | 49        | 18.60                             | 18.47                                | 18.68                              | 20                    | 5           |
| 10       | 256QAM     |                 | 25      | 0         | 18.55                             | 18.79                                | 18.74                              |                       |             |
| 10       | 256QAM     |                 | 25      | 12        | 18.55                             | 18.63                                | 18.58                              |                       |             |
| 10       | 256QAM     |                 | 25      | 25        | 18.74                             | 18.72                                | 18.63                              |                       |             |
| 10       | 256QAM     |                 | 50      | 0         | 18.60                             | 18.72                                | 18.80                              | 20                    | 5           |
| 10       | 256QAM     |                 | 50      | 0         | 18.60                             | 18.72                                | 18.80                              |                       |             |
| Channel  |            |                 |         |           | 23035                             | 23095                                | 23165                              | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
| 5        | QPSK       | Frequency (MHz) | 1       | 0         | 24.03                             | 24.03                                | 24.03                              | 25                    | 0           |
| 5        | QPSK       |                 | 1       | 12        | 23.94                             | 24.07                                | 24.03                              |                       |             |
| 5        | QPSK       |                 | 1       | 24        | 23.94                             | 23.99                                | 23.99                              |                       |             |
| 5        | QPSK       |                 | 12      | 0         | 23.03                             | 23.04                                | 23.03                              |                       |             |
| 5        | QPSK       |                 | 12      | 0         | 22.89                             | 22.90                                | 23.03                              | 24                    | 1           |
| 5        | QPSK       |                 | 12      | 13        | 23.00                             | 22.99                                | 22.87                              |                       |             |
| 5        | QPSK       |                 | 25      | 0         | 23.97                             | 23.91                                | 23.98                              |                       |             |
| 5        | 16QAM      |                 | 1       | 0         | 23.15                             | 23.27                                | 23.31                              |                       |             |
| 5        | 16QAM      |                 | 1       | 12        | 23.20                             | 23.15                                | 23.24                              | 24                    | 1           |
| 5        | 16QAM      |                 | 1       | 24        | 23.45                             | 23.38                                | 23.24                              |                       |             |
| 5        | 16QAM      |                 | 12      | 0         | 21.94                             | 21.89                                | 21.90                              |                       |             |
| 5        | 16QAM      |                 | 12      | 7         | 21.94                             | 21.87                                | 21.99                              |                       |             |
| 5        | 16QAM      |                 | 12      | 13        | 21.97                             | 21.96                                | 21.93                              | 23                    | 2           |
| 5        | 16QAM      |                 | 25      | 0         | 22.07                             | 21.84                                | 22.01                              |                       |             |
| 5        | 64QAM      |                 | 1       | 0         | 22.18                             | 22.07                                | 22.27                              |                       |             |
| 5        | 64QAM      |                 | 1       | 12        | 22.13                             | 22.07                                | 22.11                              |                       |             |
| 5        | 64QAM      |                 | 1       | 24        | 22.20                             | 22.21                                | 22.29                              | 23                    | 2           |
| 5        | 64QAM      |                 | 12      | 0         | 21.00                             | 20.96                                | 20.90                              |                       |             |
| 5        | 64QAM      |                 | 12      | 7         | 20.94                             | 20.94                                | 21.02                              |                       |             |
| 5        | 64QAM      |                 | 12      | 13        | 20.97                             | 20.96                                | 21.06                              |                       |             |
| 5        | 256QAM     |                 | 1       | 0         | 18.53                             | 18.44                                | 18.59                              | 20                    | 5           |
| 5        | 256QAM     |                 | 1       | 12        | 18.75                             | 18.56                                | 18.78                              |                       |             |
| 5        | 256QAM     |                 | 1       | 24        | 18.50                             | 18.31                                | 18.51                              |                       |             |
| 5        | 256QAM     |                 | 12      | 0         | 18.45                             | 18.58                                | 18.66                              |                       |             |
| 5        | 256QAM     |                 | 12      | 7         | 18.74                             | 18.46                                | 18.69                              | 20                    | 5           |
| 5        | 256QAM     |                 | 12      | 13        | 18.62                             | 18.56                                | 18.66                              |                       |             |
| 5        | 256QAM     |                 | 25      | 0         | 18.45                             | 18.60                                | 18.65                              |                       |             |
| 5        | 256QAM     |                 | 25      | 0         | 18.45                             | 18.60                                | 18.65                              |                       |             |
| Channel  |            |                 |         |           | 23035                             | 23095                                | 23165                              | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
| 3        | QPSK       | Frequency (MHz) | 1       | 0         | 23.97                             | 24.03                                | 24.01                              | 25                    | 0           |
| 3        | QPSK       |                 | 1       | 8         | 24.00                             | 23.97                                | 23.92                              |                       |             |
| 3        | QPSK       |                 | 1       | 14        | 23.99                             | 23.96                                | 24.03                              |                       |             |
| 3        | QPSK       |                 | 8       | 0         | 22.94                             | 23.01                                | 23.02                              |                       |             |
| 3        | QPSK       |                 | 8       | 8         | 22.81                             | 22.90                                | 22.91                              | 24                    | 1           |
| 3        | QPSK       |                 | 8       | 7         | 22.97                             | 23.02                                | 23.02                              |                       |             |
| 3        | 16QAM      |                 | 15      | 0         | 23.00                             | 22.96                                | 23.05                              |                       |             |
| 3        | 16QAM      |                 | 1       | 0         | 23.19                             | 23.29                                | 23.33                              |                       |             |
| 3        | 16QAM      |                 | 1       | 8         | 23.12                             | 23.17                                | 23.15                              | 24                    | 1           |
| 3        | 16QAM      |                 | 1       | 14        | 23.48                             | 23.27                                | 23.22                              |                       |             |
| 3        | 16QAM      |                 | 8       | 0         | 21.97                             | 21.86                                | 21.87                              |                       |             |
| 3        | 16QAM      |                 | 8       | 4         | 21.93                             | 21.98                                | 21.97                              |                       |             |
| 3        | 16QAM      |                 | 8       | 7         | 21.98                             | 21.96                                | 21.94                              | 23                    | 2           |
| 3        | 16QAM      |                 | 15      | 0         | 21.99                             | 21.90                                | 21.95                              |                       |             |
| 3        | 64QAM      |                 | 1       | 0         | 22.23                             | 22.06                                | 22.20                              |                       |             |
| 3        | 64QAM      |                 | 1       | 8         | 22.17                             | 22.16                                | 22.05                              |                       |             |
| 3        | 64QAM      |                 | 1       | 14        | 22.13                             | 22.19                                | 22.30                              | 23                    | 2           |
| 3        | 64QAM      |                 | 8       | 0         | 20.97                             | 20.93                                | 20.95                              |                       |             |
| 3        | 64QAM      |                 | 8       | 4         | 20.99                             | 20.96                                | 21.00                              |                       |             |
| 3        | 64QAM      |                 | 8       | 7         | 21.03                             | 20.91                                | 20.97                              |                       |             |
| 3        | 256QAM     |                 | 1       | 0         | 18.51                             | 18.52                                | 18.58                              | 20                    | 5           |
| 3        | 256QAM     |                 | 1       | 8         | 18.77                             | 18.82                                | 18.76                              |                       |             |
| 3        | 256QAM     |                 | 1       | 14        | 18.41                             | 18.29                                | 18.53                              |                       |             |
| 3        | 256QAM     |                 | 8       | 0         | 18.42                             | 18.87                                | 18.87                              |                       |             |
| 3        | 256QAM     |                 | 8       | 4         | 18.76                             | 18.44                                | 18.74                              | 20                    | 5           |
| 3        | 256QAM     |                 | 8       | 7         | 18.61                             | 18.54                                | 18.44                              |                       |             |
| 3        | 256QAM     |                 | 15      | 0         | 18.48                             | 18.61                                | 18.65                              |                       |             |
| 3        | 256QAM     |                 | 15      | 0         | 18.48                             | 18.61                                | 18.65                              |                       |             |
| Channel  |            |                 |         |           | 23017                             | 23095                                | 23173                              | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
| 1.4      | QPSK       | Frequency (MHz) | 1       | 0         | 24.04                             | 24.03                                | 24.05                              | 25                    | 0           |
| 1.4      | QPSK       |                 | 1       | 3         | 23.89                             | 24.00                                | 23.88                              |                       |             |
| 1.4      | QPSK       |                 | 1       | 3         | 23.93                             | 24.01                                | 23.95                              |                       |             |
| 1.4      | QPSK       |                 | 3       | 0         | 24.00                             | 24.04                                | 24.04                              |                       |             |
| 1.4      | QPSK       |                 | 3       | 3         | 23.82                             | 24.06                                | 23.91                              | 24                    | 1           |
| 1.4      | QPSK       |                 | 3       | 3         | 23.95                             | 24.02                                | 23.98                              |                       |             |
| 1.4      | QPSK       |                 | 6       | 0         | 22.96                             | 22.93                                | 22.98                              |                       |             |
| 1.4      | 16QAM      |                 | 1       | 0         | 23.11                             | 23.24                                | 23.32                              |                       |             |
| 1.4      | 16QAM      |                 | 1       | 3         | 23.13                             | 23.18                                | 23.14                              | 24                    | 1           |
| 1.4      | 16QAM      |                 | 1       | 5         | 23.42                             | 23.37                                | 23.27                              |                       |             |
| 1.4      | 16QAM      |                 | 3       | 0         | 22.88                             | 22.84                                | 22.88                              |                       |             |
| 1.4      | 16QAM      |                 | 3       | 1         | 22.91                             | 22.97                                | 23.01                              |                       |             |
| 1.4      | 16QAM      |                 | 3       | 3         | 23.02                             | 22.99                                | 22.97                              | 23                    | 2           |
| 1.4      | 16QAM      |                 | 6       | 0         | 21.99                             | 21.98                                | 22.02                              |                       |             |
| 1.4      | 64QAM      |                 | 1       | 0         | 22.18                             | 22.10                                | 22.23                              |                       |             |
| 1.4      | 64QAM      |                 | 1       | 3         | 22.08                             | 22.12                                | 22.03                              |                       |             |
| 1.4      | 64QAM      |                 | 1       | 5         | 22.13                             | 22.17                                | 22.25                              | 23                    | 2           |
| 1.4      | 64QAM      |                 | 3       | 0         | 21.92                             | 21.96                                | 21.93                              |                       |             |
| 1.4      | 64QAM      |                 | 3       | 1         | 21.96                             | 21.98                                | 21.95                              |                       |             |
| 1.4      | 64QAM      |                 | 3       | 3         | 22.04                             | 22.00                                | 22.06                              |                       |             |
| 1.4      | 64QAM      |                 | 6       | 0         | 21.05                             | 20.96                                | 21.04                              | 22                    | 3           |
| 1.4      | 256QAM     |                 | 1       | 0         | 18.63                             | 18.45                                | 18.57                              |                       |             |
| 1.4      | 256QAM     |                 | 1       | 3         | 18.66                             | 18.64                                | 18.77                              |                       |             |
| 1.4      | 256QAM     |                 | 1       | 5         | 18.50                             | 18.33                                | 18.50                              |                       |             |
| 1.4      | 256QAM     |                 | 3       | 0         | 18.36                             | 18.69                                | 18.58                              | 20                    | 5           |
| 1.4      | 256QAM     |                 | 3       | 1         | 18.67                             | 18.52                                | 18.73                              |                       |             |
| 1.4      | 256QAM     |                 | 3       | 3         | 18.63                             | 18.56                                | 18.61                              |                       |             |
| 1.4      | 256QAM     |                 | 6       | 0         | 18.44                             | 18.53                                | 18.62                              |                       |             |

## Band 13\_Ant 0

| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|-----------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           |                          |                             |                           |                       |             |
| 10                         | QPSK       | 1       | 0         | 24.09                    | 24.09                       | 24.09                     | 25                    | 0           |
| 10                         | QPSK       | 1       | 25        | 24.07                    | 24.07                       | 24.07                     |                       |             |
| 10                         | QPSK       | 1       | 49        | 24.08                    | 24.08                       | 24.08                     |                       |             |
| 10                         | QPSK       | 25      | 0         | 23.07                    | 23.07                       | 23.07                     |                       |             |
| 10                         | QPSK       | 25      | 12        | 23.03                    | 23.03                       | 23.03                     | 24                    | 1           |
| 10                         | QPSK       | 25      | 25        | 23.05                    | 23.05                       | 23.05                     |                       |             |
| 10                         | QPSK       | 50      | 0         | 23.06                    | 23.06                       | 23.06                     |                       |             |
| 10                         | 16QAM      | 1       | 0         | 23.42                    | 23.42                       | 23.42                     |                       |             |
| 10                         | 16QAM      | 1       | 25        | 23.34                    | 23.34                       | 23.35                     | 24                    | 1           |
| 10                         | 16QAM      | 1       | 49        | 23.35                    | 23.35                       | 23.35                     |                       |             |
| 10                         | 16QAM      | 25      | 0         | 22.03                    | 22.03                       | 22.03                     |                       |             |
| 10                         | 16QAM      | 25      | 12        | 22.06                    | 22.06                       | 22.06                     |                       |             |
| 10                         | 16QAM      | 25      | 25        | 22.10                    | 22.10                       | 22.10                     | 23                    | 2           |
| 10                         | 16QAM      | 50      | 0         | 22.08                    | 22.08                       | 22.08                     |                       |             |
| 10                         | 64QAM      | 1       | 0         | 22.23                    | 22.23                       | 22.23                     |                       |             |
| 10                         | 64QAM      | 1       | 25        | 22.15                    | 22.15                       | 22.15                     | 23                    | 2           |
| 10                         | 64QAM      | 1       | 49        | 22.30                    | 22.30                       | 22.30                     |                       |             |
| 10                         | 64QAM      | 25      | 0         | 21.06                    | 21.06                       | 21.06                     |                       |             |
| 10                         | 64QAM      | 25      | 12        | 21.05                    | 21.05                       | 21.05                     |                       |             |
| 10                         | 64QAM      | 25      | 25        | 21.07                    | 21.07                       | 21.07                     | 22                    | 3           |
| 10                         | 64QAM      | 50      | 0         | 21.06                    | 21.06                       | 21.06                     | 20                    | 5           |
| 10                         | 256QAM     | 1       | 0         | 18.44                    | 18.44                       | 18.44                     |                       |             |
| 10                         | 256QAM     | 1       | 25        | 18.63                    | 18.63                       | 18.63                     |                       |             |
| 10                         | 256QAM     | 1       | 49        | 18.34                    | 18.34                       | 18.34                     |                       |             |
| 10                         | 256QAM     | 25      | 0         | 18.68                    | 18.68                       | 18.68                     | 20                    | 5           |
| 10                         | 256QAM     | 25      | 12        | 18.45                    | 18.45                       | 18.45                     |                       |             |
| 10                         | 256QAM     | 25      | 25        | 18.57                    | 18.57                       | 18.57                     |                       |             |
| 10                         | 256QAM     | 50      | 0         | 18.54                    | 18.54                       | 18.54                     |                       |             |
| Channel<br>Frequency (MHz) |            |         |           |                          |                             |                           | Tune-up Inst<br>(dBm) | MPR<br>(dB) |
| 23005 23200 23250 23255    |            |         |           |                          |                             |                           |                       |             |
| 5                          | QPSK       | 1       | 0         | 23.13                    | 23.13                       | 23.13                     | 25                    | 0           |
| 5                          | QPSK       | 1       | 12        | 23.03                    | 23.03                       | 23.01                     |                       |             |
| 5                          | QPSK       | 1       | 24        | 23.03                    | 23.03                       | 23.06                     |                       |             |
| 5                          | QPSK       | 12      | 0         | 22.90                    | 22.90                       | 23.01                     |                       |             |
| 5                          | QPSK       | 12      | 7         | 22.84                    | 22.97                       | 22.97                     | 24                    | 1           |
| 5                          | QPSK       | 12      | 13        | 22.86                    | 22.87                       | 22.90                     |                       |             |
| 5                          | QPSK       | 25      | 0         | 22.91                    | 22.89                       | 22.90                     |                       |             |
| 5                          | 16QAM      | 1       | 0         | 23.31                    | 23.31                       | 23.33                     |                       |             |
| 5                          | 16QAM      | 1       | 12        | 23.17                    | 23.38                       | 23.23                     | 24                    | 1           |
| 5                          | 16QAM      | 1       | 24        | 23.22                    | 23.18                       | 23.21                     |                       |             |
| 5                          | 16QAM      | 12      | 0         | 21.84                    | 21.95                       | 21.94                     |                       |             |
| 5                          | 16QAM      | 12      | 7         | 21.92                    | 21.97                       | 22.00                     |                       |             |
| 5                          | 16QAM      | 12      | 13        | 21.98                    | 21.94                       | 22.01                     | 23                    | 2           |
| 5                          | 16QAM      | 25      | 0         | 21.97                    | 22.03                       | 22.02                     |                       |             |
| 5                          | 64QAM      | 1       | 0         | 22.13                    | 22.14                       | 22.13                     |                       |             |
| 5                          | 64QAM      | 1       | 12        | 22.07                    | 22.05                       | 22.05                     |                       |             |
| 5                          | 64QAM      | 12      | 0         | 22.20                    | 22.20                       | 22.17                     | 22                    | 3           |
| 5                          | 64QAM      | 12      | 7         | 21.00                    | 20.91                       | 20.96                     |                       |             |
| 5                          | 64QAM      | 12      | 7         | 20.88                    | 20.91                       | 20.88                     |                       |             |
| 5                          | 64QAM      | 12      | 13        | 21.00                    | 20.91                       | 20.94                     |                       |             |
| 5                          | 64QAM      | 25      | 0         | 21.00                    | 20.89                       | 21.00                     | 20                    | 5           |
| 5                          | 256QAM     | 1       | 0         | 18.34                    | 18.34                       | 18.35                     |                       |             |
| 5                          | 256QAM     | 1       | 12        | 18.47                    | 18.53                       | 18.46                     |                       |             |
| 5                          | 256QAM     | 1       | 24        | 18.26                    | 18.17                       | 18.17                     |                       |             |
| 5                          | 256QAM     | 12      | 0         | 18.45                    | 18.45                       | 18.51                     | 20                    | 5           |
| 5                          | 256QAM     | 12      | 7         | 18.35                    | 18.32                       | 18.34                     |                       |             |
| 5                          | 256QAM     | 12      | 13        | 18.51                    | 18.36                       | 18.41                     |                       |             |
| 5                          | 256QAM     | 25      | 0         | 18.39                    | 18.43                       | 18.40                     |                       |             |

Band 17\_Ant 0

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power Low<br>Ch./Freq.<br>23790 | Power Mode<br>Ch./Freq.<br>23790 | Power High<br>Ch./Freq.<br>23900 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|---------------------------------|----------------------------------|----------------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           | 709                             | 710                              | 711                              |                        |             |
| 10              | QPSK       | 1       | 0       | 0         | 23.74                           | 23.75                            | 23.76                            |                        |             |
| 10              | QPSK       | 1       | 25      | 0         | 23.60                           | 23.70                            | 23.68                            | 25                     | 0           |
| 10              | QPSK       | 1       | 49      | 0         | 23.70                           | 23.73                            | 23.71                            |                        |             |
| 10              | QPSK       | 25      | 0       | 0         | 22.62                           | 22.70                            | 22.69                            |                        |             |
| 10              | QPSK       | 25      | 12      | 0         | 22.60                           | 22.67                            | 22.67                            | 24                     | 1           |
| 10              | QPSK       | 25      | 25      | 0         | 22.60                           | 22.66                            | 22.66                            |                        |             |
| 10              | QPSK       | 50      | 0       | 0         | 22.61                           | 22.67                            | 22.63                            |                        |             |
| 10              | 16QAM      | 1       | 0       | 0         | 23.09                           | 22.96                            | 22.97                            |                        |             |
| 10              | 16QAM      | 1       | 49      | 0         | 22.92                           | 22.99                            | 23.01                            | 24                     | 1           |
| 10              | 16QAM      | 1       | 49      | 0         | 23.09                           | 23.07                            | 23.07                            |                        |             |
| 10              | 16QAM      | 25      | 0       | 0         | 21.60                           | 21.61                            | 21.60                            |                        |             |
| 10              | 16QAM      | 25      | 12      | 0         | 21.64                           | 21.66                            | 21.66                            |                        |             |
| 10              | 16QAM      | 25      | 25      | 0         | 21.54                           | 21.08                            | 21.58                            | 23                     | 2           |
| 10              | 16QAM      | 50      | 0       | 0         | 21.60                           | 21.63                            | 21.69                            |                        |             |
| 10              | 64QAM      | 1       | 0       | 0         | 21.50                           | 21.85                            | 21.67                            |                        |             |
| 10              | 64QAM      | 1       | 49      | 0         | 21.70                           | 21.87                            | 21.86                            | 23                     | 2           |
| 10              | 64QAM      | 1       | 49      | 0         | 21.88                           | 22.05                            | 22.00                            |                        |             |
| 10              | 64QAM      | 25      | 0       | 0         | 20.60                           | 20.60                            | 20.64                            |                        |             |
| 10              | 64QAM      | 25      | 12      | 0         | 20.66                           | 20.68                            | 20.68                            |                        |             |
| 10              | 64QAM      | 25      | 25      | 0         | 20.64                           | 20.65                            | 20.69                            | 22                     | 3           |
| 10              | 64QAM      | 50      | 0       | 0         | 20.60                           | 20.64                            | 20.65                            |                        |             |
| 10              | 256QAM     | 1       | 0       | 0         | 18.68                           | 18.65                            | 18.60                            |                        |             |
| 10              | 256QAM     | 1       | 49      | 0         | 18.62                           | 18.67                            | 18.68                            | 20                     | 5           |
| 10              | 256QAM     | 1       | 49      | 0         | 18.63                           | 18.60                            | 18.65                            |                        |             |
| 10              | 256QAM     | 25      | 0       | 0         | 18.61                           | 18.62                            | 18.70                            |                        |             |
| 10              | 256QAM     | 25      | 12      | 0         | 18.77                           | 18.65                            | 18.63                            | 20                     | 5           |
| 10              | 256QAM     | 25      | 25      | 0         | 18.70                           | 18.63                            | 18.69                            |                        |             |
| 10              | 256QAM     | 50      | 0       | 0         | 18.61                           | 18.66                            | 18.73                            |                        |             |
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           | 709.5                           | 710                              | 713.5                            | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0       | 0         | 23.60                           | 23.65                            | 23.64                            |                        |             |
| 5               | QPSK       | 1       | 24      | 0         | 23.62                           | 23.69                            | 23.76                            | 25                     | 0           |
| 5               | QPSK       | 1       | 49      | 0         | 23.60                           | 23.65                            | 23.74                            |                        |             |
| 5               | QPSK       | 12      | 0       | 0         | 22.60                           | 22.67                            | 22.72                            |                        |             |
| 5               | QPSK       | 12      | 7       | 0         | 22.60                           | 22.68                            | 22.70                            | 24                     | 1           |
| 5               | QPSK       | 12      | 13      | 0         | 22.65                           | 22.68                            | 22.74                            |                        |             |
| 5               | QPSK       | 24      | 0       | 0         | 22.63                           | 22.67                            | 22.77                            |                        |             |
| 5               | 16QAM      | 1       | 0       | 0         | 22.89                           | 23.03                            | 23.02                            |                        |             |
| 5               | 16QAM      | 1       | 12      | 0         | 22.92                           | 23.03                            | 23.11                            | 24                     | 1           |
| 5               | 16QAM      | 1       | 24      | 0         | 23.01                           | 23.06                            | 23.02                            |                        |             |
| 5               | 16QAM      | 12      | 0       | 0         | 21.61                           | 21.72                            | 21.77                            |                        |             |
| 5               | 16QAM      | 12      | 7       | 0         | 21.65                           | 21.68                            | 21.74                            | 23                     | 2           |
| 5               | 16QAM      | 12      | 13      | 0         | 21.70                           | 21.72                            | 21.72                            |                        |             |
| 5               | 16QAM      | 25      | 0       | 0         | 21.66                           | 21.64                            | 21.75                            |                        |             |
| 5               | 64QAM      | 1       | 0       | 0         | 21.89                           | 21.92                            | 21.86                            |                        |             |
| 5               | 64QAM      | 1       | 12      | 0         | 21.71                           | 21.85                            | 21.85                            | 23                     | 2           |
| 5               | 64QAM      | 1       | 24      | 0         | 21.80                           | 21.77                            | 21.88                            |                        |             |
| 5               | 64QAM      | 12      | 0       | 0         | 20.65                           | 20.72                            | 20.80                            |                        |             |
| 5               | 64QAM      | 12      | 7       | 0         | 20.73                           | 20.73                            | 20.79                            | 22                     | 3           |
| 5               | 64QAM      | 12      | 13      | 0         | 20.73                           | 20.72                            | 20.76                            |                        |             |
| 5               | 64QAM      | 25      | 0       | 0         | 20.65                           | 20.65                            | 20.75                            |                        |             |
| 5               | 256QAM     | 1       | 0       | 0         | 18.62                           | 18.63                            | 18.60                            |                        |             |
| 5               | 256QAM     | 1       | 12      | 0         | 18.69                           | 18.67                            | 18.61                            | 20                     | 5           |
| 5               | 256QAM     | 1       | 24      | 0         | 18.65                           | 18.60                            | 18.65                            |                        |             |
| 5               | 256QAM     | 12      | 0       | 0         | 18.63                           | 18.65                            | 18.68                            |                        |             |
| 5               | 256QAM     | 12      | 7       | 0         | 18.64                           | 18.60                            | 18.66                            | 20                     | 5           |
| 5               | 256QAM     | 12      | 13      | 0         | 18.68                           | 18.60                            | 18.64                            |                        |             |
| 5               | 256QAM     | 25      | 0       | 0         | 18.63                           | 18.66                            | 18.66                            |                        |             |

Band 25\_Ant 2

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power Low<br>Ch./Freq.<br>26140 | Power Mode<br>Ch./Freq.<br>26340 | Power High<br>Ch./Freq.<br>26600 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|---------------------------------|----------------------------------|----------------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           | 1860                            | 1865                             | 1905                             |                        |             |
| 20              | QPSK       | 1       | 0       | 0         | 21.80                           | 21.80                            | 21.80                            |                        |             |
| 20              | QPSK       | 1       | 49      | 0         | 21.85                           | 21.77                            | 21.79                            | 22.5                   | 0           |
| 20              | QPSK       | 1       | 99      | 0         | 21.78                           | 21.85                            | 21.76                            |                        |             |
| 20              | QPSK       | 50      | 0       | 0         | 21.80                           | 21.83                            | 21.87                            |                        |             |
| 20              | QPSK       | 50      | 24      | 0         | 21.84                           | 21.88                            | 21.86                            | 22.5                   | 0           |
| 20              | QPSK       | 50      | 50      | 0         | 21.73                           | 21.81                            | 21.70                            |                        |             |
| 20              | QPSK       | 100     | 0       | 0         | 21.83                           | 21.89                            | 21.83                            |                        |             |
| 20              | 16QAM      | 1       | 0       | 0         | 21.86                           | 21.84                            | 21.91                            |                        |             |
| 20              | 16QAM      | 1       | 49      | 0         | 21.72                           | 21.75                            | 21.87                            | 22.5                   | 0           |
| 20              | 16QAM      | 1       | 99      | 0         | 21.74                           | 21.85                            | 21.80                            |                        |             |
| 20              | 16QAM      | 50      | 0       | 0         | 21.80                           | 21.77                            | 21.79                            |                        |             |
| 20              | 16QAM      | 50      | 24      | 0         | 21.84                           | 21.86                            | 21.89                            | 22.5                   | 0           |
| 20              | 16QAM      | 50      | 50      | 0         | 21.77                           | 21.87                            | 21.84                            |                        |             |
| 20              | 16QAM      | 100     | 0       | 0         | 21.80                           | 21.75                            | 21.76                            |                        |             |
| 20              | 64QAM      | 1       | 0       | 0         | 21.82                           | 21.85                            | 21.83                            |                        |             |
| 20              | 64QAM      | 1       | 49      | 0         | 21.85                           | 21.82                            | 21.84                            | 22.5                   | 0           |
| 20              | 64QAM      | 1       | 99      | 0         | 21.69                           | 21.62                            | 21.80                            |                        |             |
| 20              | 64QAM      | 50      | 0       | 0         | 21.13                           | 21.16                            | 21.12                            |                        |             |
| 20              | 64QAM      | 50      | 24      | 0         | 21.10                           | 21.12                            | 21.17                            | 21.5                   | 1           |
| 20              | 64QAM      | 50      | 50      | 0         | 21.12                           | 21.08                            | 21.10                            |                        |             |
| 20              | 64QAM      | 100     | 0       | 0         | 21.10                           | 21.11                            | 21.14                            |                        |             |
| 20              | 256QAM     | 1       | 0       | 0         | 18.82                           | 18.74                            | 18.77                            |                        |             |
| 20              | 256QAM     | 1       | 49      | 0         | 18.84                           | 18.77                            | 18.80                            | 19.5                   | 3           |
| 20              | 256QAM     | 1       | 99      | 0         | 18.69                           | 18.63                            | 18.77                            |                        |             |
| 20              | 256QAM     | 50      | 0       | 0         | 18.69                           | 18.85                            | 18.81                            |                        |             |
| 20              | 256QAM     | 50      | 24      | 0         | 18.82                           | 18.77                            | 18.84                            | 19.5                   | 3           |
| 20              | 256QAM     | 50      | 50      | 0         | 18.67                           | 18.83                            | 18.70                            |                        |             |
| 20              | 256QAM     | 100     | 0       | 0         | 18.71                           | 18.83                            | 18.69                            |                        |             |
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           | 1871.5                          | 1880                             | 1907.5                           | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 0       | 0         | 21.91                           | 22.01                            | 21.92                            |                        |             |
| 15              | QPSK       | 1       | 37      | 0         | 21.78                           | 21.85                            | 21.74                            | 22.5                   | 0           |
| 15              | QPSK       | 1       | 74      | 0         | 21.81                           | 21.80                            | 21.80                            |                        |             |
| 15              | QPSK       | 36      | 0       | 0         | 21.80                           | 21.85                            | 21.80                            |                        |             |
| 15              | QPSK       | 36      | 20      | 0         | 21.79                           | 21.88                            | 21.86                            | 22.5                   | 0           |
| 15              | QPSK       | 36      | 39      | 0         | 21.68                           | 21.69                            | 21.80                            |                        |             |
| 15              | QPSK       | 75      | 0       | 0         | 21.84                           | 21.79                            | 21.80                            |                        |             |
| 15              | 16QAM      | 1       | 0       | 0         | 21.81                           | 21.85                            | 21.79                            |                        |             |
| 15              | 16QAM      | 1       | 37      | 0         | 21.78                           | 21.83                            | 21.81                            | 22.5                   | 0           |
| 15              | 16QAM      | 1       | 74      | 0         | 21.80                           | 21.82                            | 21.80                            |                        |             |
| 15              | 16QAM      | 36      | 0       | 0         | 21.83                           | 21.88                            | 21.80                            |                        |             |
| 15              | 16QAM      | 36      | 20      | 0         | 21.81                           | 21.91                            | 21.80                            | 22.5                   | 0           |
| 15              | 16QAM      | 36      | 39      | 0         | 21.83                           | 21.84                            | 21.80                            |                        |             |
| 15              | 16QAM      | 75      | 0       | 0         | 21.77                           | 21.82                            | 21.83                            |                        |             |
| 15              | 64QAM      | 1       | 0       | 0         | 21.88                           | 21.89                            | 21.92                            |                        |             |
| 15              | 64QAM      | 1       | 37      | 0         | 21.81                           | 21.77                            | 21.80                            | 22.5                   | 0           |
| 15              | 64QAM      | 1       | 74      | 0         | 21.80                           | 21.84                            | 21.80                            |                        |             |
| 15              | 64QAM      | 36      | 0       | 0         | 21.07                           | 20.96                            | 21.04                            |                        |             |
| 15              | 64QAM      | 36      | 20      | 0         | 20.97                           | 21.00                            | 21.10                            | 21.5                   | 1           |
| 15              | 64QAM      | 36      | 39      | 0         | 20.94                           | 20.88                            | 21.02                            |                        |             |
| 15              | 64QAM      | 75      | 0       | 0         | 20.92                           | 20.93                            | 21.05                            |                        |             |
| 15              | 256QAM     | 1       | 0       | 0         | 18.72                           | 18.62                            | 18.61                            |                        |             |
| 15              | 256QAM     | 1       | 37      | 0         | 18.76                           | 18.58                            | 18.58                            | 19.5                   | 3           |
| 15              | 256QAM     | 1       | 74      | 0         | 18.64                           | 18.62                            | 18.65                            |                        |             |
| 15              | 256QAM     | 36      | 0       | 0         | 18.52                           | 18.77                            | 18.79                            |                        |             |
| 15              | 256QAM     | 36      | 20      | 0         | 18.76                           | 18.70                            | 18.65                            | 19.5                   | 3           |
| 15              | 256QAM     | 36      | 39      | 0         | 18.77                           | 18.73                            | 18.75                            |                        |             |
| 15              | 256QAM     | 75      | 0       | 0         | 18.58                           | 18.73                            | 18.70                            |                        |             |
| Channel         |            |         |         |           |                                 |                                  |                                  |                        |             |
| Frequency (MHz) |            |         |         |           | 1865                            | 1880                             | 1919                             | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 0       | 0         | 21.84                           | 22.00                            | 21.90                            |                        |             |
| 10              | QPSK       | 1       | 12      | 0         | 21.84                           | 21.78                            | 21.74                            | 22.5                   | 0           |
| 10              | QPSK       | 1       | 49      | 0         | 21.88                           | 21.78                            | 21.68                            |                        |             |
| 10              | QPSK       | 25      | 0       | 0         | 21.81                           | 21.95                            | 21.82                            |                        |             |
| 10              | QPSK       | 25      | 12      | 0         | 21.88                           | 21.91                            | 21.85                            | 22.5                   | 0           |
| 10              | QPSK       | 25      | 25      | 0         | 21.80                           | 21.68                            | 21.72                            |                        |             |
| 10              | QPSK       | 50      | 0       | 0         | 21.77                           | 21.83                            | 21.74                            |                        |             |
| 10              | 16QAM      | 1       | 0       | 0         | 21.87                           | 21.84                            | 21.80                            |                        |             |
| 10              | 16QAM      | 1       | 25      | 0         | 21.78                           | 21.80                            | 21.81                            | 22.5                   | 0           |
| 10              | 16QAM      | 1       | 49      | 0         | 21.72                           | 21.83                            | 21.88                            |                        |             |
| 10              | 16QAM      | 25      | 0       | 0         | 21.81                           | 21.78                            | 21.88                            |                        |             |
| 10              | 16QAM      | 25      | 12      | 0         | 21.78                           | 21.86                            | 21.82                            | 22.5                   | 0           |
| 10              | 16QAM      | 25      | 25      | 0         | 21.89                           | 21.80                            | 21.84                            |                        |             |
| 10              | 16QAM      | 50      | 0       | 0         | 21.88                           | 21.78                            | 21.81                            |                        |             |
| 10              | 64QAM      | 1       | 0       | 0         | 21.85                           | 21.77                            | 21.85                            |                        |             |
| 10              | 64QAM      | 1       | 25      | 0         | 21.75                           | 21.87                            | 21.76                            | 22.5                   | 0           |
| 10              | 64QAM      | 1       | 49      | 0         | 21.71                           | 21.81                            | 21.87                            |                        |             |
| 10              | 64QAM      | 25      | 0       | 0         | 20.98                           | 21.02                            | 20.94                            |                        |             |
| 10              | 64QAM      | 25      | 12      | 0         | 20.94                           | 21.01                            | 20.98                            |                        |             |
| 10              | 64QAM      | 25      | 25      | 0         | 21.04                           | 20.96                            | 20.93                            | 21.5                   | 1           |
| 10              | 64QAM      | 50      | 0       | 0         | 20.93                           | 20.94                            | 20.93                            |                        |             |
| 10              | 256QAM     | 1       | 0       | 0         | 18.72                           | 18.62                            | 18.61                            |                        |             |
| 10              | 256QAM     | 1       | 25      | 0         | 18.67                           | 18.70                            | 18.53                            | 19.5                   | 3           |
| 10              | 256QAM     | 1       | 49      | 0         | 18.62                           | 18.65                            | 18.68                            |                        |             |
| 10              | 256QAM     | 25      | 0       | 0         | 18.61                           | 18.75                            | 18.69                            |                        |             |
| 10              | 256QAM     | 25      | 12      | 0         | 18.74                           | 18.62                            | 18.65                            | 19.5                   | 3           |
| 10              | 256QAM     | 25      | 25      | 0         | 18.75                           | 18.73                            | 18.75                            |                        |             |
| 10              | 256QAM     | 50      | 0       | 0         | 18.60                           | 18.                              |                                  |                        |             |

Band 26\_Ant 0

| BW (MHz)                | Modulation | RB Size | RB Offset | Power Low Ch / Freq 26072 | Power Mode Ch / Freq 26075 | Power High Ch / Freq 26085 | Tune-up limit (dBm) | MPR (dB) |
|-------------------------|------------|---------|-----------|---------------------------|----------------------------|----------------------------|---------------------|----------|
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 15                      | QPSK       | 1       | 0         | 821.5                     | 831.5                      | 841.5                      |                     |          |
| 15                      | QPSK       | 1       | 37        | 24.11                     | 24.17                      | 24.01                      | 25                  | 0        |
| 15                      | QPSK       | 1       | 74        | 24.02                     | 24.02                      | 24.08                      |                     |          |
| 15                      | QPSK       | 36      | 0         | 23.00                     | 23.00                      | 23.00                      |                     |          |
| 15                      | QPSK       | 36      | 20        | 22.91                     | 23.00                      | 22.99                      | 24                  | 1        |
| 15                      | QPSK       | 36      | 38        | 22.98                     | 23.00                      | 22.98                      |                     |          |
| 15                      | QPSK       | 75      | 0         | 23.01                     | 23.04                      | 22.98                      |                     |          |
| 15                      | 16QAM      | 1       | 0         | 23.08                     | 23.24                      | 23.16                      |                     |          |
| 15                      | 16QAM      | 1       | 37        | 23.12                     | 23.39                      | 23.32                      | 24                  | 1        |
| 15                      | 16QAM      | 1       | 74        | 23.21                     | 23.27                      | 23.19                      |                     |          |
| 15                      | 16QAM      | 36      | 0         | 21.94                     | 22.00                      | 22.03                      |                     |          |
| 15                      | 16QAM      | 36      | 20        | 21.94                     | 21.96                      | 22.00                      |                     |          |
| 15                      | 16QAM      | 36      | 38        | 21.98                     | 22.00                      | 21.94                      | 23                  | 2        |
| 15                      | 16QAM      | 75      | 0         | 21.97                     | 22.08                      | 21.97                      |                     |          |
| 15                      | 64QAM      | 1       | 0         | 22.05                     | 22.15                      | 22.20                      |                     |          |
| 15                      | 64QAM      | 1       | 37        | 22.34                     | 22.34                      | 22.27                      | 23                  | 2        |
| 15                      | 64QAM      | 1       | 74        | 22.18                     | 22.09                      | 22.06                      |                     |          |
| 15                      | 64QAM      | 36      | 0         | 21.05                     | 21.10                      | 21.01                      |                     |          |
| 15                      | 64QAM      | 36      | 20        | 21.09                     | 21.08                      | 21.08                      | 22                  | 3        |
| 15                      | 64QAM      | 36      | 38        | 21.08                     | 21.03                      | 21.02                      |                     |          |
| 15                      | 64QAM      | 75      | 0         | 21.09                     | 21.10                      | 21.01                      |                     |          |
| 15                      | 256QAM     | 1       | 0         | 18.80                     | 18.76                      | 18.77                      |                     |          |
| 15                      | 256QAM     | 1       | 37        | 18.82                     | 18.79                      | 18.80                      | 20                  | 5        |
| 15                      | 256QAM     | 1       | 74        | 18.73                     | 18.67                      | 18.83                      |                     |          |
| 15                      | 256QAM     | 36      | 0         | 18.68                     | 18.88                      | 18.83                      |                     |          |
| 15                      | 256QAM     | 36      | 20        | 18.87                     | 18.80                      | 18.86                      |                     |          |
| 15                      | 256QAM     | 36      | 38        | 18.85                     | 18.79                      | 18.71                      | 20                  | 5        |
| 15                      | 256QAM     | 75      | 0         | 18.71                     | 18.81                      | 18.80                      |                     |          |
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 10                      | QPSK       | 1       | 0         | 818                       | 831.5                      | 844                        | Tune-up limit (dBm) | MPR (dB) |
| 10                      | QPSK       | 1       | 37        | 23.97                     | 24.02                      | 24.06                      | 25                  | 0        |
| 10                      | QPSK       | 1       | 49        | 23.88                     | 23.94                      | 23.99                      |                     |          |
| 10                      | QPSK       | 1       | 74        | 24.11                     | 23.97                      | 24.04                      |                     |          |
| 10                      | QPSK       | 25      | 0         | 22.97                     | 23.03                      | 22.98                      |                     |          |
| 10                      | QPSK       | 25      | 12        | 22.89                     | 22.93                      | 22.96                      | 24                  | 1        |
| 10                      | QPSK       | 25      | 25        | 22.86                     | 23.04                      | 22.89                      |                     |          |
| 10                      | 16QAM      | 1       | 0         | 22.83                     | 22.89                      | 22.91                      |                     |          |
| 10                      | 16QAM      | 1       | 0         | 23.07                     | 23.25                      | 23.22                      |                     |          |
| 10                      | 16QAM      | 1       | 25        | 23.12                     | 23.12                      | 23.17                      | 24                  | 1        |
| 10                      | 16QAM      | 1       | 49        | 23.09                     | 23.11                      | 23.03                      |                     |          |
| 10                      | 16QAM      | 25      | 0         | 21.89                     | 22.02                      | 21.89                      |                     |          |
| 10                      | 16QAM      | 25      | 12        | 21.89                     | 21.97                      | 21.98                      | 23                  | 2        |
| 10                      | 16QAM      | 25      | 25        | 21.86                     | 22.04                      | 21.82                      |                     |          |
| 10                      | 16QAM      | 50      | 0         | 21.97                     | 22.04                      | 21.90                      |                     |          |
| 10                      | 64QAM      | 1       | 0         | 22.13                     | 22.19                      | 22.25                      |                     |          |
| 10                      | 64QAM      | 1       | 25        | 21.97                     | 22.07                      | 22.08                      | 23                  | 2        |
| 10                      | 64QAM      | 1       | 49        | 22.09                     | 22.10                      | 22.24                      |                     |          |
| 10                      | 64QAM      | 25      | 0         | 21.07                     | 21.07                      | 21.07                      |                     |          |
| 10                      | 64QAM      | 25      | 12        | 21.02                     | 21.01                      | 21.03                      | 22                  | 3        |
| 10                      | 64QAM      | 25      | 25        | 20.95                     | 21.09                      | 20.93                      |                     |          |
| 10                      | 64QAM      | 50      | 0         | 21.01                     | 21.13                      | 21.07                      |                     |          |
| 10                      | 256QAM     | 1       | 0         | 18.82                     | 18.85                      | 18.80                      | 20                  | 5        |
| 10                      | 256QAM     | 1       | 25        | 18.78                     | 18.73                      | 18.81                      |                     |          |
| 10                      | 256QAM     | 1       | 49        | 18.61                     | 18.70                      | 18.85                      |                     |          |
| 10                      | 256QAM     | 25      | 0         | 18.73                     | 18.86                      | 18.88                      |                     |          |
| 10                      | 256QAM     | 25      | 12        | 18.86                     | 18.82                      | 18.83                      | 20                  | 5        |
| 10                      | 256QAM     | 25      | 25        | 18.79                     | 18.80                      | 18.81                      |                     |          |
| 10                      | 256QAM     | 50      | 0         | 18.76                     | 18.84                      | 18.86                      |                     |          |
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 5                       | QPSK       | 1       | 0         | 816.5                     | 831.5                      | 846.5                      | Tune-up limit (dBm) | MPR (dB) |
| 5                       | QPSK       | 1       | 12        | 23.87                     | 23.91                      | 24.00                      | 25                  | 0        |
| 5                       | QPSK       | 1       | 19        | 23.82                     | 23.93                      | 23.93                      |                     |          |
| 5                       | QPSK       | 1       | 24        | 23.92                     | 23.82                      | 23.93                      |                     |          |
| 5                       | QPSK       | 12      | 0         | 22.85                     | 22.89                      | 22.78                      |                     |          |
| 5                       | QPSK       | 12      | 7         | 22.70                     | 22.85                      | 22.82                      | 24                  | 1        |
| 5                       | QPSK       | 12      | 13        | 22.72                     | 22.86                      | 22.75                      |                     |          |
| 5                       | QPSK       | 25      | 0         | 22.83                     | 22.83                      | 22.77                      |                     |          |
| 5                       | 16QAM      | 1       | 0         | 22.89                     | 23.09                      | 23.03                      |                     |          |
| 5                       | 16QAM      | 1       | 12        | 22.94                     | 22.99                      | 23.10                      | 24                  | 1        |
| 5                       | 16QAM      | 1       | 24        | 22.97                     | 23.10                      | 22.98                      |                     |          |
| 5                       | 16QAM      | 12      | 0         | 21.87                     | 21.95                      | 21.71                      |                     |          |
| 5                       | 16QAM      | 12      | 7         | 21.83                     | 21.84                      | 21.88                      | 23                  | 2        |
| 5                       | 16QAM      | 12      | 13        | 21.77                     | 21.86                      | 21.86                      |                     |          |
| 5                       | 16QAM      | 25      | 0         | 21.78                     | 21.85                      | 21.79                      |                     |          |
| 5                       | 64QAM      | 1       | 0         | 21.96                     | 22.00                      | 22.08                      |                     |          |
| 5                       | 64QAM      | 1       | 12        | 21.91                     | 21.93                      | 21.95                      | 23                  | 2        |
| 5                       | 64QAM      | 1       | 24        | 21.88                     | 21.87                      | 22.18                      |                     |          |
| 5                       | 64QAM      | 12      | 0         | 20.93                     | 20.94                      | 20.90                      |                     |          |
| 5                       | 64QAM      | 12      | 7         | 20.85                     | 20.87                      | 20.87                      |                     |          |
| 5                       | 64QAM      | 12      | 13        | 20.89                     | 21.01                      | 20.74                      | 22                  | 3        |
| 5                       | 256QAM     | 1       | 0         | 20.97                     | 21.03                      | 20.93                      |                     |          |
| 5                       | 256QAM     | 1       | 1         | 18.70                     | 18.77                      | 18.71                      | 20                  | 5        |
| 5                       | 256QAM     | 1       | 12        | 18.62                     | 18.65                      | 18.79                      |                     |          |
| 5                       | 256QAM     | 1       | 24        | 18.65                     | 18.56                      | 18.77                      |                     |          |
| 5                       | 256QAM     | 12      | 0         | 18.62                     | 18.79                      | 18.69                      |                     |          |
| 5                       | 256QAM     | 12      | 7         | 18.69                     | 18.71                      | 18.77                      | 20                  | 5        |
| 5                       | 256QAM     | 12      | 13        | 18.70                     | 18.67                      | 18.67                      |                     |          |
| 5                       | 256QAM     | 25      | 0         | 18.64                     | 18.77                      | 18.74                      |                     |          |
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 3                       | QPSK       | 1       | 0         | 815.5                     | 831.5                      | 847.5                      | Tune-up limit (dBm) | MPR (dB) |
| 3                       | QPSK       | 1       | 8         | 23.87                     | 23.95                      | 23.88                      | 25                  | 0        |
| 3                       | QPSK       | 1       | 14        | 23.74                     | 23.78                      | 23.81                      |                     |          |
| 3                       | QPSK       | 1       | 19        | 23.89                     | 23.78                      | 23.85                      |                     |          |
| 3                       | QPSK       | 8       | 0         | 22.85                     | 22.88                      | 22.74                      |                     |          |
| 3                       | QPSK       | 8       | 4         | 22.73                     | 22.79                      | 22.79                      | 24                  | 1        |
| 3                       | QPSK       | 8       | 7         | 22.70                     | 22.91                      | 22.80                      |                     |          |
| 3                       | QPSK       | 15      | 0         | 22.78                     | 22.88                      | 22.83                      |                     |          |
| 3                       | 16QAM      | 1       | 0         | 22.89                     | 23.03                      | 23.05                      |                     |          |
| 3                       | 16QAM      | 1       | 8         | 22.98                     | 22.93                      | 23.05                      | 24                  | 1        |
| 3                       | 16QAM      | 1       | 14        | 22.90                     | 23.02                      | 22.97                      |                     |          |
| 3                       | 16QAM      | 8       | 0         | 21.80                     | 21.83                      | 21.76                      |                     |          |
| 3                       | 16QAM      | 8       | 4         | 21.79                     | 21.84                      | 21.91                      | 23                  | 2        |
| 3                       | 16QAM      | 8       | 7         | 21.73                     | 21.94                      | 21.73                      |                     |          |
| 3                       | 16QAM      | 15      | 0         | 21.79                     | 21.79                      | 21.73                      |                     |          |
| 3                       | 64QAM      | 1       | 0         | 22.05                     | 22.04                      | 22.12                      |                     |          |
| 3                       | 64QAM      | 1       | 8         | 21.93                     | 21.96                      | 21.93                      | 23                  | 2        |
| 3                       | 64QAM      | 1       | 14        | 21.95                     | 21.96                      | 22.12                      |                     |          |
| 3                       | 64QAM      | 8       | 0         | 20.89                     | 20.99                      | 20.88                      |                     |          |
| 3                       | 64QAM      | 8       | 4         | 20.85                     | 20.87                      | 20.81                      |                     |          |
| 3                       | 64QAM      | 8       | 7         | 20.79                     | 20.91                      | 20.80                      | 22                  | 3        |
| 3                       | 64QAM      | 15      | 0         | 20.91                     | 20.96                      | 20.91                      |                     |          |
| 3                       | 256QAM     | 1       | 0         | 18.75                     | 18.79                      | 18.67                      |                     |          |
| 3                       | 256QAM     | 1       | 8         | 18.69                     | 18.62                      | 18.84                      | 20                  | 5        |
| 3                       | 256QAM     | 1       | 14        | 18.46                     | 18.58                      | 18.69                      |                     |          |
| 3                       | 256QAM     | 8       | 0         | 18.57                     | 18.79                      | 18.76                      |                     |          |
| 3                       | 256QAM     | 8       | 4         | 18.62                     | 18.71                      | 18.69                      | 20                  | 5        |
| 3                       | 256QAM     | 8       | 7         | 18.62                     | 18.66                      | 18.63                      |                     |          |
| 3                       | 256QAM     | 15      | 0         | 18.65                     | 18.77                      | 18.74                      |                     |          |
| Channel Frequency (MHz) |            |         |           |                           |                            |                            |                     |          |
| 1.4                     | QPSK       | 1       | 0         | 23.92                     | 24.02                      | 24.02                      | Tune-up limit (dBm) | MPR (dB) |
| 1.4                     | QPSK       | 1       | 3         | 23.88                     | 24.02                      | 23.89                      | 25                  | 0        |
| 1.4                     | QPSK       | 1       | 6         | 24.01                     | 24.01                      | 23.89                      |                     |          |
| 1.4                     | QPSK       | 3       | 1         | 23.93                     | 23.97                      | 23.89                      |                     |          |
| 1.4                     | QPSK       | 3       | 1         | 23.96                     | 23.93                      | 23.99                      |                     |          |
| 1.4                     | QPSK       | 3       | 3         | 23.97                     | 23.96                      | 24.02                      |                     |          |
| 1.4                     | QPSK       | 6       | 0         | 22.96                     | 22.97                      | 23.01                      | 24                  | 1        |
| 1.4                     | 16QAM      | 1       | 0         | 23.07                     | 23.18                      | 23.22                      |                     |          |
| 1.4                     | 16QAM      | 1       | 3         | 23.17                     | 23.07                      | 23.17                      | 24                  | 1        |
| 1.4                     | 16QAM      | 1       | 5         | 23.11                     | 23.09                      | 23.04                      |                     |          |
| 1.4                     | 16QAM      | 3       | 0         | 23.00                     | 23.03                      | 23.09                      |                     |          |
| 1.4                     | 16QAM      | 3       | 1         | 22.94                     | 22.92                      | 22.95                      |                     |          |
| 1.4                     | 16QAM      | 3       | 3         | 22.92                     | 22.95                      | 23.07                      | 23                  | 2        |
| 1.4                     | 16QAM      | 6       | 0         | 22.04                     | 22.11                      | 22.09                      |                     |          |
| 1.4                     | 64QAM      | 1       | 0         | 22.01                     | 22.11                      | 22.13                      |                     |          |
| 1.4                     | 64QAM      | 1       | 3         | 22.02                     | 22.12                      | 22.06                      |                     |          |
| 1.4                     | 64QAM      | 1       | 5         | 22.05                     | 22.09                      | 22.05                      | 23                  | 2        |
| 1.4                     | 64QAM      | 3       | 0         | 22.10                     | 22.07                      | 22.01                      |                     |          |
| 1.4                     | 64QAM      | 3       | 1         | 22.02                     | 22.07                      | 22.09                      |                     |          |
| 1.4                     | 64QAM      | 3       | 3         | 22.04                     | 22.13                      | 22.06                      |                     |          |
| 1.4                     | 64QAM      | 6       | 0         | 21.04                     | 21.07                      | 21.09                      | 22                  | 3        |
| 1.4                     | 256QAM     | 1       | 0         | 18.63                     | 18.73                      | 18.63                      |                     |          |
| 1.4                     | 256QAM     | 1       | 3         | 18.62                     | 18.57                      | 18.64                      |                     |          |
| 1.4                     | 256QAM     | 1       | 5         | 18.45                     | 18.51                      | 18.62                      | 20                  | 5        |
| 1.4                     | 256QAM     | 3       | 0         | 18.57                     | 18.70                      | 18.70                      |                     |          |
| 1.4                     | 256QAM     | 3       | 1         | 18.66                     | 18.76                      | 18.70                      |                     |          |
| 1.4                     | 256QAM     | 3       | 3         | 18.63                     | 18.65                      | 18.72                      |                     |          |
| 1.4                     | 256QAM     | 6       | 0         | 18.66                     | 18.73                      | 18.67                      | 20                  | 5        |

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| BW (MHz)                | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mode Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|-------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|
| Channel Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |
| 20                      | QPSK       | 1       | 0         | 1720                | 1745                 | 1776                 |                     |          |
| 20                      | QPSK       | 1       | 49        | 21.13               | 21.07                | 21.15                | 22.5                | 0        |
| 20                      | QPSK       | 1       | 99        | 20.97               | 21.04                | 21.04                |                     |          |
| 20                      | QPSK       | 50      | 0         | 21.00               | 21.15                | 21.10                |                     |          |
| 20                      | QPSK       | 50      | 24        | 20.88               | 21.08                | 21.00                | 22.5                | 0        |
| 20                      | QPSK       | 50      | 50        | 20.98               | 21.10                | 21.02                |                     |          |
| 20                      | QPSK       | 100     | 0         | 20.85               | 21.08                | 21.04                |                     |          |
| 20                      | 16QAM      | 1       | 0         | 20.96               | 21.07                | 21.01                |                     |          |
| 20                      | 16QAM      | 1       | 49        | 21.02               | 21.03                | 20.97                | 22.5                | 0        |
| 20                      | 16QAM      | 1       | 99        | 20.98               | 20.98                | 20.97                |                     |          |
| 20                      | 16QAM      | 50      | 0         | 20.76               | 20.96                | 20.79                |                     |          |
| 20                      | 16QAM      | 50      | 24        | 20.78               | 20.94                | 20.83                | 22.5                | 0        |
| 20                      | 16QAM      | 50      | 50        | 20.74               | 20.97                | 20.83                |                     |          |
| 20                      | 16QAM      | 100     | 0         | 20.78               | 20.92                | 20.82                |                     |          |
| 20                      | 64QAM      | 1       | 0         | 21.01               | 21.07                | 20.95                |                     |          |
| 20                      | 64QAM      | 1       | 49        | 20.91               | 21.04                | 20.97                | 22.5                | 0        |
| 20                      | 64QAM      | 1       | 99        | 20.87               | 20.93                | 20.86                |                     |          |
| 20                      | 64QAM      | 50      | 0         | 20.98               | 20.98                | 20.86                |                     |          |
| 20                      | 64QAM      | 50      | 24        | 20.08               | 20.25                | 20.12                | 21.5                | 1        |
| 20                      | 64QAM      | 50      | 50        | 20.08               | 20.25                | 20.12                |                     |          |
| 20                      | 64QAM      | 100     | 0         | 20.10               | 20.23                | 20.17                |                     |          |
| 20                      | 256QAM     | 1       | 0         | 18.21               | 18.29                | 18.17                |                     |          |
| 20                      | 256QAM     | 1       | 49        | 18.36               | 18.40                | 18.26                | 19.5                | 3        |
| 20                      | 256QAM     | 1       | 99        | 18.31               | 18.40                | 18.34                |                     |          |
| 20                      | 256QAM     | 50      | 0         | 17.87               | 18.07                | 17.96                |                     |          |
| 20                      | 256QAM     | 50      | 24        | 18.13               | 18.20                | 18.15                | 19.5                | 3        |
| 20                      | 256QAM     | 50      | 50        | 18.06               | 18.24                | 18.08                |                     |          |
| 20                      | 256QAM     | 100     | 0         | 18.02               | 18.17                | 18.09                |                     |          |
| Channel Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |
| 15                      | QPSK       | 1       | 0         | 1717.5              | 1745                 | 1772.5               |                     |          |
| 15                      | QPSK       | 1       | 37        | 21.03               | 21.03                | 21.03                | 22.5                | 0        |
| 15                      | QPSK       | 1       | 74        | 21.01               | 21.03                | 21.04                |                     |          |
| 15                      | QPSK       | 36      | 0         | 21.01               | 21.08                | 21.07                |                     |          |
| 15                      | QPSK       | 36      | 36        | 20.94               | 21.04                | 21.00                | 22.5                | 0        |
| 15                      | QPSK       | 36      | 39        | 20.96               | 21.03                | 21.00                |                     |          |
| 15                      | QPSK       | 72      | 0         | 20.85               | 21.06                | 21.00                |                     |          |
| 15                      | 16QAM      | 1       | 0         | 20.95               | 21.01                | 21.01                |                     |          |
| 15                      | 16QAM      | 1       | 37        | 20.97               | 21.02                | 21.00                | 22.5                | 0        |
| 15                      | 16QAM      | 1       | 74        | 20.92               | 21.01                | 21.06                |                     |          |
| 15                      | 16QAM      | 36      | 0         | 20.64               | 20.85                | 20.63                |                     |          |
| 15                      | 16QAM      | 36      | 20        | 20.68               | 20.84                | 20.74                | 22.5                | 0        |
| 15                      | 16QAM      | 36      | 39        | 20.64               | 20.77                | 20.73                |                     |          |
| 15                      | 16QAM      | 72      | 0         | 20.88               | 20.62                | 20.73                |                     |          |
| 15                      | 64QAM      | 1       | 0         | 21.01               | 21.07                | 20.84                |                     |          |
| 15                      | 64QAM      | 1       | 37        | 20.81               | 21.04                | 20.99                | 22.5                | 0        |
| 15                      | 64QAM      | 1       | 74        | 20.77               | 20.83                | 20.73                |                     |          |
| 15                      | 64QAM      | 36      | 0         | 19.98               | 20.16                | 20.09                |                     |          |
| 15                      | 64QAM      | 36      | 20        | 19.98               | 20.15                | 20.02                | 21.5                | 1        |
| 15                      | 64QAM      | 36      | 39        | 19.95               | 20.07                | 20.02                |                     |          |
| 15                      | 64QAM      | 72      | 0         | 20.00               | 20.23                | 20.02                |                     |          |
| 15                      | 256QAM     | 1       | 0         | 18.11               | 18.19                | 18.07                |                     |          |
| 15                      | 256QAM     | 1       | 37        | 18.26               | 18.30                | 18.16                | 19.5                | 3        |
| 15                      | 256QAM     | 1       | 74        | 18.21               | 18.30                | 18.24                |                     |          |
| 15                      | 256QAM     | 36      | 0         | 18.03               | 18.10                | 18.05                |                     |          |
| 15                      | 256QAM     | 36      | 20        | 18.06               | 18.14                | 17.98                | 19.5                | 3        |
| 15                      | 256QAM     | 72      | 0         | 17.92               | 18.07                | 17.99                |                     |          |
| Channel Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |
| 10                      | QPSK       | 1       | 0         | 1715                | 1745                 | 1765                 |                     |          |
| 10                      | QPSK       | 1       | 0         | 21.07               | 21.01                | 21.08                | 22.5                | 0        |
| 10                      | QPSK       | 1       | 25        | 21.05               | 21.03                | 21.07                |                     |          |
| 10                      | QPSK       | 1       | 50        | 21.02               | 21.04                | 21.06                |                     |          |
| 10                      | QPSK       | 25      | 0         | 21.07               | 21.02                | 21.06                |                     |          |
| 10                      | QPSK       | 25      | 12        | 20.90               | 21.03                | 21.04                | 22.5                | 0        |
| 10                      | QPSK       | 25      | 37        | 20.93               | 21.07                | 21.04                |                     |          |
| 10                      | QPSK       | 50      | 0         | 20.94               | 21.01                | 21.01                |                     |          |
| 10                      | 16QAM      | 1       | 0         | 21.05               | 21.05                | 21.02                |                     |          |
| 10                      | 16QAM      | 1       | 25        | 20.96               | 21.06                | 21.01                | 22.5                | 0        |
| 10                      | 16QAM      | 1       | 49        | 20.89               | 21.08                | 20.96                |                     |          |
| 10                      | 16QAM      | 25      | 0         | 20.61               | 20.88                | 20.65                |                     |          |
| 10                      | 16QAM      | 25      | 12        | 20.68               | 20.84                | 20.75                | 22.5                | 0        |
| 10                      | 16QAM      | 25      | 25        | 20.64               | 20.77                | 20.76                |                     |          |
| 10                      | 16QAM      | 50      | 0         | 20.68               | 20.62                | 20.76                |                     |          |
| 10                      | 64QAM      | 1       | 0         | 21.01               | 21.07                | 20.81                |                     |          |
| 10                      | 64QAM      | 1       | 25        | 20.81               | 21.04                | 20.92                | 22.5                | 0        |
| 10                      | 64QAM      | 1       | 50        | 20.77               | 20.83                | 20.78                |                     |          |
| 10                      | 64QAM      | 25      | 0         | 19.98               | 20.16                | 20.01                |                     |          |
| 10                      | 64QAM      | 25      | 12        | 19.98               | 20.13                | 20.02                | 21.5                | 1        |
| 10                      | 64QAM      | 25      | 37        | 19.95               | 20.07                | 20.02                |                     |          |
| 10                      | 64QAM      | 50      | 0         | 20.00               | 20.23                | 20.02                |                     |          |
| 10                      | 256QAM     | 1       | 0         | 18.11               | 18.19                | 18.07                |                     |          |
| 10                      | 256QAM     | 1       | 49        | 18.26               | 18.30                | 18.16                | 19.5                | 3        |
| 10                      | 256QAM     | 1       | 99        | 18.21               | 18.30                | 18.24                |                     |          |
| 10                      | 256QAM     | 25      | 0         | 17.87               | 17.97                | 17.85                |                     |          |
| 10                      | 256QAM     | 25      | 12        | 18.03               | 18.10                | 18.05                | 19.5                | 3        |
| 10                      | 256QAM     | 25      | 25        | 18.06               | 18.14                | 17.98                |                     |          |
| 10                      | 256QAM     | 50      | 0         | 17.92               | 18.07                | 17.99                |                     |          |
| Channel Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |
| 5                       | QPSK       | 1       | 0         | 1712.5              | 1742.5               | 1764.5               |                     |          |
| 5                       | QPSK       | 1       | 12        | 21.01               | 21.07                | 21.02                | 22.5                | 0        |
| 5                       | QPSK       | 1       | 24        | 20.96               | 21.05                | 21.07                |                     |          |
| 5                       | QPSK       | 12      | 0         | 21.02               | 21.01                | 21.06                |                     |          |
| 5                       | QPSK       | 12      | 7         | 20.88               | 21.00                | 21.02                | 22.5                | 0        |
| 5                       | QPSK       | 12      | 13        | 20.99               | 21.08                | 21.02                |                     |          |
| 5                       | QPSK       | 25      | 0         | 20.93               | 21.09                | 21.07                |                     |          |
| 5                       | 16QAM      | 1       | 0         | 20.99               | 21.05                | 21.04                |                     |          |
| 5                       | 16QAM      | 12      | 0         | 20.93               | 21.08                | 21.00                | 22.5                | 0        |
| 5                       | 16QAM      | 1       | 24        | 20.98               | 21.06                | 20.97                |                     |          |
| 5                       | 16QAM      | 12      | 0         | 20.63               | 20.87                | 20.72                |                     |          |
| 5                       | 16QAM      | 12      | 7         | 20.68               | 20.84                | 20.66                | 22.5                | 0        |
| 5                       | 16QAM      | 12      | 13        | 20.64               | 20.77                | 20.75                |                     |          |
| 5                       | 16QAM      | 25      | 0         | 20.68               | 20.62                | 20.66                |                     |          |
| 5                       | 64QAM      | 1       | 0         | 21.01               | 21.07                | 20.84                |                     |          |
| 5                       | 64QAM      | 1       | 12        | 20.81               | 21.04                | 20.84                | 22.5                | 0        |
| 5                       | 64QAM      | 1       | 24        | 20.77               | 20.83                | 20.79                |                     |          |
| 5                       | 64QAM      | 12      | 0         | 19.98               | 20.16                | 19.99                |                     |          |
| 5                       | 64QAM      | 12      | 7         | 19.98               | 20.15                | 20.02                | 21.5                | 1        |
| 5                       | 64QAM      | 12      | 13        | 19.95               | 20.13                | 20.02                |                     |          |
| 5                       | 256QAM     | 1       | 0         | 18.11               | 18.19                | 18.07                |                     |          |
| 5                       | 256QAM     | 1       | 24        | 18.26               | 18.30                | 18.16                | 19.5                | 3        |
| 5                       | 256QAM     | 12      | 0         | 17.87               | 17.97                | 17.85                |                     |          |
| 5                       | 256QAM     | 12      | 7         | 18.03               | 18.10                | 18.05                | 19.5                | 3        |
| 5                       | 256QAM     | 12      | 13        | 18.06               | 18.14                | 17.98                |                     |          |
| 5                       | 256QAM     | 25      | 0         | 17.92               | 18.07                | 17.99                |                     |          |
| Channel Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |
| 3                       | QPSK       | 1       | 0         | 1711.5              | 1745                 | 1778.5               |                     |          |
| 3                       | QPSK       | 1       | 0         | 21.07               | 21.04                | 21.03                | 22.5                | 0        |
| 3                       | QPSK       | 1       | 14        | 21.03               | 21.04                | 21.04                |                     |          |
| 3                       | QPSK       | 1       | 14        | 21.08               | 21.00                | 21.05                |                     |          |
| 3                       | QPSK       | 8       | 0         | 20.97               | 21.07                | 21.05                |                     |          |
| 3                       | QPSK       | 8       | 7         | 20.93               | 21.05                | 21.03                | 22.5                | 0        |
| 3                       | QPSK       | 8       | 7         | 20.90               | 21.03                | 21.00                |                     |          |
| 3                       | QPSK       | 8       | 14        | 20.86               | 21.06                | 21.01                |                     |          |
| 3                       | 16QAM      | 1       | 0         | 21.02               | 21.03                | 21.03                |                     |          |
| 3                       | 16QAM      | 1       | 8         | 20.98               | 21.01                | 20.99                | 22.5                | 0        |
| 3                       | 16QAM      | 14      | 0         | 20.84               | 20.98                | 21.04                |                     |          |
| 3                       | 16QAM      | 8       | 0         | 20.69               | 20.83                | 20.72                |                     |          |
| 3                       | 16QAM      | 8       | 4         | 20.68               | 20.84                | 20.73                | 22.5                | 0        |
| 3                       | 16QAM      | 7       | 0         | 20.64               | 20.77                | 20.73                |                     |          |
| 3                       | 16QAM      | 15      | 0         | 20.88               | 20.62                | 20.72                |                     |          |
| 3                       | 64QAM      | 1       | 0         | 21.01               | 21.07                | 20.82                |                     |          |
| 3                       | 64QAM      | 1       | 8         | 20.81               | 21.04                | 20.87                | 22.5                | 0        |
| 3                       | 64QAM      | 1       | 14        | 20.77               | 20.83                | 20.78                |                     |          |
| 3                       | 64QAM      | 8       | 0         | 19.98               | 20.16                | 20.02                |                     |          |
| 3                       | 64QAM      | 8       | 4         | 19.98               | 20.15                | 20.02                | 21.5                | 1        |
| 3                       | 64QAM      | 8       | 7         | 19.95               | 20.07                | 20.02                |                     |          |
| 3                       | 64QAM      | 15      | 0         | 20.00               | 20.23                | 20.02                |                     |          |
| 3                       | 256QAM     | 1       | 0         | 18.11               | 18.19                | 18.07                |                     |          |
| 3                       | 256QAM     | 1       | 8         | 18.26               | 18.30                | 18.16                | 19.5                | 3        |
| 3                       | 256QAM     | 1       | 14        | 18.21               | 18.30                | 18.24                |                     |          |
| 3                       | 256QAM     | 8       | 0         | 17.87               | 17.97                | 17.85                |                     |          |
| 3                       | 256QAM     | 8       | 4         | 18.03               | 18.10                | 18.05                | 19.5                | 3        |
| 3                       | 256QAM     | 8       | 7         | 18.06               | 18.14                | 17.98                |                     |          |
| 3                       | 256QAM     | 15      | 0         | 17.92               | 18.07                | 17.99                |                     |          |
| Channel Frequency (MHz) |            |         |           |                     |                      |                      |                     |          |
| 1.4                     | QPSK       | 1       | 0         | 1710.7              | 1742.5               | 1779.3               |                     |          |
| 1.4                     | QPSK       | 1       | 0         | 21.04               | 21.04                | 21.04                | 22.5                | 0        |
| 1.4                     | QPSK       | 1       | 3         | 21.00               | 21.00                | 21.06                |                     |          |
| 1.4                     | QPSK       | 1       | 3         | 21.02               | 21.01                | 21.01                |                     |          |
| 1.4                     | QPSK       | 3       | 0         | 21.07               | 21.02                | 21.08                |                     |          |
| 1.4                     | QPSK       | 3       | 3         | 21.03               | 21.03                | 21.01                | 22.5                | 0        |
| 1.4                     | QPSK       | 6       | 0         | 21.01               | 21.08                | 21.08                |                     |          |
| 1.4                     | 16QAM      | 1       | 0         | 21.01               | 21.01                | 21.08                | 22.5                | 0        |
| 1.4                     | 16QAM      | 1       | 3         | 20.98               | 21.05                | 21.03                |                     |          |
| 1.4                     | 16QAM      | 1       | 5         | 20.87               | 20.98                | 21.09                | 22.5                | 0        |
| 1.4                     | 16QAM      | 3       | 0         | 21.05               | 21.07                | 21.08                |                     |          |
| 1.4                     | 16QAM      | 3       | 1         | 20.95               | 21.05                | 21.02                |                     |          |
| 1.4                     | 16QAM      | 3       | 3         | 20.96               | 21.06                | 20.86                | 22.5                | 0        |
| 1.4                     | 16QAM      | 6       | 0         | 20.95               | 20.73                | 20.87                |                     |          |
| 1.4                     | 64QAM      | 1       | 0         | 20.94               | 20.72                | 20.66                |                     |          |
| 1.4                     | 64QAM      | 1       | 3         | 20.88               | 20.70                | 20.65                |                     |          |
| 1.4                     | 64QAM      | 1       | 3         | 20.93               | 20.75                | 20.81                | 22.5                | 0        |
| 1.4                     | 64QAM      | 3       | 0         | 20.56               | 20.76                | 20.59                |                     |          |
| 1.4                     | 64QAM      | 3       | 1         | 20.60               | 20.73                | 20.67                |                     |          |
| 1.4                     | 64QAM      | 3       | 3         | 20.50               | 20.73                | 20.58                |                     |          |
| 1.4                     | 64QAM      | 6       | 0         | 19.98               | 20.15                | 20.02                | 21.5                | 1        |
| 1.4                     | 256QAM     | 1       | 0         | 18.06               | 18.07                | 18.03                |                     |          |
| 1.4                     | 256QAM     | 1       | 3         | 18.10               | 18.21                | 18.06                |                     |          |
| 1.4                     | 256QAM     | 1       | 5         | 18.14               | 18.25                | 18.08                | 19.5                | 3        |
| 1.4                     | 256QAM     | 3       | 0         | 18.06               | 18.06                | 18.08                |                     |          |
| 1.4                     | 256QAM     | 3       | 1         | 18.22               | 18.21                | 18.10                |                     |          |
| 1.4                     | 256QAM     | 3       | 3         | 18.10               | 18.23                | 18.09                | 19.5                | 3        |
| 1.4                     | 256QAM     | 6       | 0         | 18.05               | 18.10                | 18.01                |                     |          |

**Band 38\_Ant 4**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq | Power Middle<br>Ch. / Freq | Power High<br>Ch. / Freq | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-------------------------|----------------------------|--------------------------|------------------------|-------------|
| Channel         |            |         |           |                         |                            |                          |                        |             |
| Frequency (MHz) |            |         |           | 37850                   | 38000                      | 38150                    |                        |             |
| 20              | QPSK       | 1       | 0         | 17.18                   | 17.20                      | 17.18                    | 18                     | 0           |
| 20              | QPSK       | 1       | 49        | 17.03                   | 17.09                      | 17.03                    |                        |             |
| 20              | QPSK       | 1       | 99        | 17.03                   | 17.11                      | 17.07                    |                        |             |
| 20              | QPSK       | 50      | 0         | 17.16                   | 17.18                      | 17.15                    | 18                     | 0           |
| 20              | QPSK       | 50      | 24        | 17.09                   | 17.13                      | 17.06                    |                        |             |
| 20              | QPSK       | 50      | 50        | 17.10                   | 17.08                      | 17.08                    |                        |             |
| 20              | QPSK       | 100     | 0         | 17.13                   | 17.16                      | 17.11                    | 18                     | 0           |
| 20              | 16QAM      | 1       | 0         | 17.08                   | 17.10                      | 17.10                    |                        |             |
| 20              | 16QAM      | 1       | 49        | 17.08                   | 17.04                      | 17.04                    |                        |             |
| 20              | 16QAM      | 1       | 99        | 17.13                   | 17.10                      | 17.11                    | 18                     | 0           |
| 20              | 16QAM      | 50      | 0         | 17.10                   | 17.06                      | 17.08                    |                        |             |
| 20              | 16QAM      | 50      | 24        | 17.02                   | 17.08                      | 17.05                    |                        |             |
| 20              | 16QAM      | 50      | 50        | 17.10                   | 17.10                      | 17.11                    | 18                     | 0           |
| 20              | 16QAM      | 100     | 0         | 17.13                   | 17.04                      | 17.06                    |                        |             |
| 20              | 64QAM      | 1       | 0         | 17.08                   | 17.10                      | 17.08                    |                        |             |
| 20              | 64QAM      | 1       | 49        | 17.04                   | 17.10                      | 17.08                    | 18                     | 0           |
| 20              | 64QAM      | 1       | 99        | 17.13                   | 17.10                      | 17.05                    |                        |             |
| 20              | 64QAM      | 50      | 0         | 17.07                   | 17.10                      | 17.09                    | 18                     | 0           |
| 20              | 64QAM      | 50      | 24        | 17.10                   | 17.13                      | 17.06                    |                        |             |
| 20              | 64QAM      | 50      | 50        | 17.06                   | 17.12                      | 17.08                    |                        | 0           |
| 20              | 64QAM      | 100     | 0         | 17.05                   | 17.11                      | 17.05                    | 18                     | 0           |
| 20              | 256QAM     | 1       | 0         | 17.10                   | 17.11                      | 17.02                    |                        |             |
| 20              | 256QAM     | 1       | 49        | 17.03                   | 17.05                      | 17.08                    |                        | 0           |
| 20              | 256QAM     | 1       | 99        | 17.03                   | 17.11                      | 17.02                    | 18                     | 0           |
| 20              | 256QAM     | 50      | 0         | 17.10                   | 17.06                      | 17.02                    |                        |             |
| 20              | 256QAM     | 50      | 24        | 17.08                   | 17.08                      | 17.08                    | 18                     | 0           |
| 20              | 256QAM     | 50      | 50        | 17.14                   | 17.14                      | 17.07                    |                        |             |
| 20              | 256QAM     | 100     | 0         | 17.09                   | 17.08                      | 17.10                    |                        |             |
| Channel         |            |         |           |                         |                            |                          |                        |             |
| Frequency (MHz) |            |         |           | 25975                   | 25985                      | 26125                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 0         | 17.17                   | 17.20                      | 17.17                    | 18                     | 0           |
| 15              | QPSK       | 1       | 37        | 17.10                   | 17.07                      | 17.09                    |                        |             |
| 15              | QPSK       | 1       | 74        | 17.07                   | 17.12                      | 17.06                    |                        |             |
| 15              | QPSK       | 36      | 0         | 17.09                   | 17.04                      | 17.11                    | 18                     | 0           |
| 15              | QPSK       | 36      | 20        | 17.08                   | 17.08                      | 17.08                    |                        |             |
| 15              | QPSK       | 36      | 39        | 17.10                   | 17.04                      | 17.00                    |                        |             |
| 15              | QPSK       | 75      | 0         | 17.13                   | 17.09                      | 17.03                    | 18                     | 0           |
| 15              | 16QAM      | 1       | 0         | 17.06                   | 17.06                      | 17.01                    |                        |             |
| 15              | 16QAM      | 1       | 37        | 17.07                   | 17.10                      | 17.05                    | 18                     | 0           |
| 15              | 16QAM      | 1       | 74        | 17.04                   | 17.08                      | 17.02                    |                        |             |
| 15              | 16QAM      | 36      | 0         | 17.10                   | 17.10                      | 17.00                    | 18                     | 0           |
| 15              | 16QAM      | 36      | 20        | 17.03                   | 17.08                      | 17.01                    |                        |             |
| 15              | 16QAM      | 36      | 39        | 17.02                   | 17.12                      | 17.07                    |                        | 0           |
| 15              | 16QAM      | 75      | 0         | 17.04                   | 17.10                      | 17.02                    | 18                     | 0           |
| 15              | 64QAM      | 1       | 0         | 17.06                   | 17.12                      | 17.07                    |                        |             |
| 15              | 64QAM      | 1       | 37        | 17.08                   | 17.06                      | 17.03                    |                        | 0           |
| 15              | 64QAM      | 1       | 74        | 17.11                   | 17.11                      | 17.08                    | 18                     | 0           |
| 15              | 64QAM      | 36      | 0         | 17.09                   | 17.07                      | 17.08                    |                        |             |
| 15              | 64QAM      | 36      | 20        | 17.07                   | 17.14                      | 17.11                    | 18                     | 0           |
| 15              | 64QAM      | 36      | 39        | 17.05                   | 17.07                      | 17.00                    |                        |             |
| 15              | 64QAM      | 75      | 0         | 17.05                   | 17.11                      | 17.02                    |                        | 0           |
| 15              | 256QAM     | 1       | 0         | 17.05                   | 17.10                      | 17.07                    | 18                     | 0           |
| 15              | 256QAM     | 1       | 49        | 17.08                   | 17.10                      | 17.04                    |                        |             |
| 15              | 256QAM     | 1       | 74        | 17.10                   | 17.09                      | 17.03                    |                        | 0           |
| 15              | 256QAM     | 36      | 0         | 17.07                   | 17.08                      | 17.09                    | 18                     | 0           |
| 15              | 256QAM     | 36      | 20        | 17.02                   | 17.14                      | 17.02                    |                        |             |
| 15              | 256QAM     | 36      | 39        | 17.11                   | 17.15                      | 17.10                    |                        | 0           |
| 15              | 256QAM     | 75      | 0         | 17.02                   | 17.14                      | 17.09                    |                        |             |
| Channel         |            |         |           |                         |                            |                          |                        |             |
| Frequency (MHz) |            |         |           | 37860                   | 38000                      | 38200                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 0         | 17.18                   | 17.20                      | 17.11                    | 18                     | 0           |
| 10              | QPSK       | 1       | 25        | 17.04                   | 17.09                      | 17.06                    |                        |             |
| 10              | QPSK       | 1       | 49        | 17.09                   | 17.04                      | 17.04                    |                        |             |
| 10              | QPSK       | 25      | 0         | 17.07                   | 17.07                      | 17.01                    | 18                     | 0           |
| 10              | QPSK       | 25      | 12        | 17.09                   | 17.09                      | 17.02                    |                        |             |
| 10              | QPSK       | 25      | 25        | 17.11                   | 17.13                      | 17.11                    |                        |             |
| 10              | QPSK       | 50      | 0         | 17.09                   | 17.13                      | 17.11                    | 18                     | 0           |
| 10              | 16QAM      | 1       | 0         | 17.03                   | 17.15                      | 17.10                    |                        |             |
| 10              | 16QAM      | 1       | 25        | 17.12                   | 17.10                      | 17.09                    |                        |             |
| 10              | 16QAM      | 1       | 49        | 17.13                   | 17.15                      | 17.04                    | 18                     | 0           |
| 10              | 16QAM      | 25      | 0         | 17.02                   | 17.04                      | 17.09                    |                        |             |
| 10              | 16QAM      | 25      | 12        | 17.07                   | 17.12                      | 17.06                    | 18                     | 0           |
| 10              | 16QAM      | 25      | 25        | 17.13                   | 17.06                      | 17.04                    |                        |             |
| 10              | 16QAM      | 50      | 0         | 17.04                   | 17.10                      | 17.02                    |                        | 0           |
| 10              | 64QAM      | 1       | 0         | 17.08                   | 17.12                      | 17.05                    | 18                     | 0           |
| 10              | 64QAM      | 1       | 25        | 17.11                   | 17.15                      | 17.01                    |                        |             |
| 10              | 64QAM      | 1       | 49        | 17.13                   | 17.13                      | 17.03                    |                        | 0           |
| 10              | 64QAM      | 25      | 0         | 17.10                   | 17.05                      | 17.07                    | 18                     | 0           |
| 10              | 64QAM      | 25      | 12        | 17.05                   | 17.06                      | 17.07                    |                        |             |
| 10              | 64QAM      | 25      | 25        | 17.08                   | 17.12                      | 17.07                    |                        | 0           |
| 10              | 64QAM      | 50      | 0         | 17.13                   | 17.08                      | 17.08                    | 18                     | 0           |
| 10              | 256QAM     | 1       | 0         | 17.07                   | 17.04                      | 17.03                    |                        |             |
| 10              | 256QAM     | 1       | 25        | 17.11                   | 17.05                      | 17.07                    |                        | 0           |
| 10              | 256QAM     | 1       | 49        | 17.08                   | 17.07                      | 17.03                    | 18                     | 0           |
| 10              | 256QAM     | 25      | 0         | 17.10                   | 17.07                      | 17.06                    |                        |             |
| 10              | 256QAM     | 25      | 12        | 17.08                   | 17.12                      | 17.04                    |                        | 0           |
| 10              | 256QAM     | 25      | 25        | 17.12                   | 17.10                      | 17.04                    | 18                     | 0           |
| 10              | 256QAM     | 50      | 0         | 17.11                   | 17.04                      | 17.08                    |                        |             |
| Channel         |            |         |           |                         |                            |                          |                        |             |
| Frequency (MHz) |            |         |           | 25975.5                 | 25985                      | 26175                    | Tuneup limit<br>(dBm)  | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0         | 17.11                   | 17.09                      | 17.11                    | 18                     | 0           |
| 5               | QPSK       | 1       | 12        | 17.09                   | 17.13                      | 17.09                    |                        |             |
| 5               | QPSK       | 1       | 24        | 17.10                   | 17.13                      | 17.02                    |                        |             |
| 5               | QPSK       | 12      | 0         | 17.09                   | 17.09                      | 17.08                    | 18                     | 0           |
| 5               | QPSK       | 12      | 7         | 17.03                   | 17.11                      | 17.04                    |                        |             |
| 5               | QPSK       | 12      | 13        | 17.03                   | 17.08                      | 17.00                    |                        |             |
| 5               | QPSK       | 25      | 0         | 17.05                   | 17.15                      | 17.09                    | 18                     | 0           |
| 5               | 16QAM      | 1       | 0         | 17.04                   | 17.15                      | 17.08                    |                        |             |
| 5               | 16QAM      | 1       | 12        | 17.08                   | 17.09                      | 17.09                    |                        | 0           |
| 5               | 16QAM      | 1       | 24        | 17.06                   | 17.08                      | 17.01                    | 18                     | 0           |
| 5               | 16QAM      | 12      | 0         | 17.08                   | 17.06                      | 17.06                    |                        |             |
| 5               | 16QAM      | 12      | 7         | 17.02                   | 17.07                      | 17.01                    |                        | 0           |
| 5               | 16QAM      | 12      | 13        | 17.11                   | 17.09                      | 17.00                    | 18                     | 0           |
| 5               | 16QAM      | 25      | 0         | 17.08                   | 17.08                      | 17.03                    |                        |             |
| 5               | 64QAM      | 1       | 0         | 17.06                   | 17.11                      | 17.06                    | 18                     | 0           |
| 5               | 64QAM      | 1       | 12        | 17.09                   | 17.14                      | 17.00                    |                        |             |
| 5               | 64QAM      | 1       | 24        | 17.11                   | 17.12                      | 17.03                    |                        | 0           |
| 5               | 64QAM      | 12      | 0         | 17.05                   | 17.10                      | 17.04                    | 18                     | 0           |
| 5               | 64QAM      | 12      | 7         | 17.07                   | 17.12                      | 17.08                    |                        |             |
| 5               | 64QAM      | 12      | 13        | 17.03                   | 17.05                      | 17.11                    |                        | 0           |
| 5               | 64QAM      | 25      | 0         | 17.02                   | 17.14                      | 17.11                    | 18                     | 0           |
| 5               | 256QAM     | 1       | 0         | 17.09                   | 17.13                      | 17.04                    |                        |             |
| 5               | 256QAM     | 1       | 12        | 17.13                   | 17.06                      | 17.07                    |                        | 0           |
| 5               | 256QAM     | 1       | 24        | 17.03                   | 17.05                      | 17.06                    | 18                     | 0           |
| 5               | 256QAM     | 12      | 0         | 17.07                   | 17.12                      | 17.04                    |                        |             |
| 5               | 256QAM     | 12      | 7         | 17.03                   | 17.13                      | 17.06                    |                        | 0           |
| 5               | 256QAM     | 12      | 13        | 17.10                   | 17.07                      | 17.02                    | 18                     | 0           |
| 5               | 256QAM     | 25      | 0         | 17.05                   | 17.04                      | 17.11                    |                        |             |

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| BW [MHz] | Modulation      | RB Size | RB Offset | Power Low<br>Ch. / Freq | Power Middle<br>Ch. / Freq | Power High<br>Ch. / Freq | Power Low<br>Ch. / Freq | Power High<br>Ch. / Freq | Tune-up limit<br>(dbm) | MPR<br>(db) |
|----------|-----------------|---------|-----------|-------------------------|----------------------------|--------------------------|-------------------------|--------------------------|------------------------|-------------|
| Channel  |                 |         |           |                         |                            |                          |                         |                          |                        |             |
|          | Frequency (MHz) |         |           | 39750                   | 40185                      | 40620                    | 41055                   | 41490                    |                        |             |
|          |                 |         |           | 2546.5                  | 2593.5                     | 2640.5                   | 2687.5                  | 2734.5                   |                        |             |
| 20       | QPSK            | 1       | 0         | 16.92                   | 17.22                      | 17.30                    | 17.22                   | 17.30                    | 18                     | 0           |
| 20       | QPSK            | 1       | 49        | 16.83                   | 17.10                      | 17.22                    | 17.19                   | 16.89                    |                        |             |
| 20       | QPSK            | 1       | 99        | 16.84                   | 17.16                      | 17.15                    | 17.15                   | 16.82                    |                        |             |
| 20       | QPSK            | 50      | 0         | 16.90                   | 17.20                      | 17.23                    | 17.23                   | 16.95                    |                        |             |
| 20       | QPSK            | 50      | 24        | 16.85                   | 17.06                      | 17.23                    | 17.15                   | 16.86                    | 18                     | 0           |
| 20       | QPSK            | 50      | 50        | 16.84                   | 17.17                      | 17.25                    | 17.17                   | 16.92                    |                        |             |
| 20       | QPSK            | 100     | 0         | 16.95                   | 17.18                      | 17.26                    | 17.21                   | 16.93                    |                        |             |
| 20       | 16QAM           | 1       | 0         | 16.86                   | 17.15                      | 17.17                    | 17.18                   | 16.93                    |                        |             |
| 20       | 16QAM           | 1       | 49        | 16.83                   | 17.10                      | 17.25                    | 17.17                   | 16.93                    | 18                     | 0           |
| 20       | 16QAM           | 1       | 99        | 16.79                   | 17.08                      | 17.23                    | 17.19                   | 16.91                    |                        |             |
| 20       | 16QAM           | 50      | 0         | 16.86                   | 17.06                      | 17.22                    | 17.15                   | 16.90                    |                        |             |
| 20       | 16QAM           | 50      | 24        | 16.78                   | 17.07                      | 17.24                    | 17.13                   | 16.88                    | 18                     | 0           |
| 20       | 16QAM           | 50      | 50        | 16.87                   | 17.15                      | 17.22                    | 17.20                   | 16.84                    |                        |             |
| 20       | 16QAM           | 100     | 0         | 16.85                   | 17.17                      | 17.14                    | 17.19                   | 16.88                    |                        |             |
| 20       | 64QAM           | 1       | 0         | 16.76                   | 17.16                      | 17.24                    | 17.13                   | 16.90                    |                        |             |
| 20       | 64QAM           | 1       | 49        | 16.84                   | 17.06                      | 17.19                    | 17.19                   | 16.84                    | 18                     | 0           |
| 20       | 64QAM           | 1       | 99        | 16.82                   | 17.06                      | 17.14                    | 17.21                   | 16.92                    |                        |             |
| 20       | 64QAM           | 50      | 0         | 16.76                   | 17.15                      | 17.21                    | 17.21                   | 16.90                    |                        |             |
| 20       | 64QAM           | 50      | 24        | 16.77                   | 17.06                      | 17.17                    | 17.15                   | 16.88                    | 18                     | 0           |
| 20       | 64QAM           | 50      | 50        | 16.87                   | 17.08                      | 17.22                    | 17.18                   | 16.92                    |                        |             |
| 20       | 64QAM           | 100     | 0         | 16.80                   | 17.08                      | 17.16                    | 17.16                   | 16.91                    |                        |             |
| 20       | 256QAM          | 1       | 0         | 16.80                   | 17.12                      | 17.14                    | 17.19                   | 16.82                    |                        |             |
| 20       | 256QAM          | 1       | 49        | 16.81                   | 17.14                      | 17.14                    | 17.18                   | 16.86                    | 18                     | 0           |
| 20       | 256QAM          | 1       | 99        | 16.83                   | 17.15                      | 17.20                    | 17.15                   | 16.87                    |                        |             |
| 20       | 256QAM          | 50      | 0         | 16.82                   | 17.12                      | 17.16                    | 17.16                   | 16.85                    |                        |             |
| 20       | 256QAM          | 50      | 24        | 16.79                   | 17.13                      | 17.15                    | 17.18                   | 16.85                    | 18                     | 0           |
| 20       | 256QAM          | 50      | 50        | 16.87                   | 17.17                      | 17.21                    | 17.11                   | 16.90                    |                        |             |
| 20       | 256QAM          | 100     | 0         | 16.83                   | 17.08                      | 17.24                    | 17.14                   | 16.82                    |                        |             |
| Channel  |                 |         |           |                         |                            |                          |                         |                          |                        |             |
|          | Frequency (MHz) |         |           | 40185                   | 40620                      | 41055                    | 41490                   | 41925                    | Tune-up limit<br>(dbm) | MPR<br>(db) |
|          |                 |         |           | 2546.5                  | 2548.3                     | 2593.5                   | 2637.8                  | 2682.5                   |                        |             |
| 15       | QPSK            | 1       | 0         | 16.90                   | 17.23                      | 17.22                    | 17.14                   | 16.93                    |                        |             |
| 15       | QPSK            | 1       | 37        | 16.77                   | 17.12                      | 17.21                    | 17.20                   | 16.87                    | 18                     | 0           |
| 15       | QPSK            | 1       | 74        | 16.78                   | 17.14                      | 17.14                    | 17.10                   | 16.85                    |                        |             |
| 15       | QPSK            | 36      | 0         | 16.83                   | 17.08                      | 17.24                    | 17.19                   | 16.85                    |                        |             |
| 15       | QPSK            | 36      | 20        | 16.87                   | 17.16                      | 17.20                    | 17.18                   | 16.91                    | 18                     | 0           |
| 15       | QPSK            | 36      | 39        | 16.81                   | 17.09                      | 17.19                    | 17.13                   | 16.87                    |                        |             |
| 15       | QPSK            | 75      | 0         | 16.76                   | 17.07                      | 17.18                    | 17.21                   | 16.82                    |                        |             |
| 15       | 16QAM           | 1       | 0         | 16.83                   | 17.12                      | 17.14                    | 17.18                   | 16.92                    |                        |             |
| 15       | 16QAM           | 1       | 37        | 16.82                   | 17.08                      | 17.23                    | 17.14                   | 16.90                    | 18                     | 0           |
| 15       | 16QAM           | 1       | 74        | 16.76                   | 17.10                      | 17.26                    | 17.14                   | 16.93                    |                        |             |
| 15       | 16QAM           | 36      | 0         | 16.87                   | 17.12                      | 17.17                    | 17.18                   | 16.83                    |                        |             |
| 15       | 16QAM           | 36      | 20        | 16.86                   | 17.10                      | 17.20                    | 17.13                   | 16.87                    | 18                     | 0           |
| 15       | 16QAM           | 36      | 39        | 16.79                   | 17.14                      | 17.19                    | 17.14                   | 16.85                    |                        |             |
| 15       | 16QAM           | 75      | 0         | 16.78                   | 17.17                      | 17.20                    | 17.21                   | 16.85                    |                        |             |
| 15       | 64QAM           | 1       | 0         | 16.80                   | 17.13                      | 17.16                    | 17.18                   | 16.83                    |                        |             |
| 15       | 64QAM           | 1       | 37        | 16.76                   | 17.15                      | 17.16                    | 17.18                   | 16.90                    | 18                     | 0           |
| 15       | 64QAM           | 1       | 74        | 16.81                   | 17.17                      | 17.15                    | 17.16                   | 16.87                    |                        |             |
| 15       | 64QAM           | 36      | 0         | 16.77                   | 17.06                      | 17.24                    | 17.12                   | 16.89                    |                        |             |
| 15       | 64QAM           | 36      | 20        | 16.78                   | 17.13                      | 17.20                    | 17.14                   | 16.86                    | 18                     | 0           |
| 15       | 64QAM           | 36      | 39        | 16.79                   | 17.09                      | 17.16                    | 17.16                   | 16.88                    |                        |             |
| 15       | 64QAM           | 75      | 0         | 16.76                   | 17.13                      | 17.25                    | 17.20                   | 16.90                    |                        |             |
| 15       | 256QAM          | 1       | 0         | 16.79                   | 17.13                      | 17.16                    | 17.21                   | 16.92                    |                        |             |
| 15       | 256QAM          | 1       | 37        | 16.80                   | 17.14                      | 17.23                    | 17.19                   | 16.88                    | 18                     | 0           |
| 15       | 256QAM          | 1       | 74        | 16.87                   | 17.13                      | 17.17                    | 17.17                   | 16.92                    |                        |             |
| 15       | 256QAM          | 36      | 0         | 16.87                   | 17.14                      | 17.25                    | 17.19                   | 16.87                    |                        |             |
| 15       | 256QAM          | 36      | 20        | 16.83                   | 17.16                      | 17.22                    | 17.10                   | 16.90                    | 18                     | 0           |
| 15       | 256QAM          | 36      | 39        | 16.83                   | 17.11                      | 17.24                    | 17.11                   | 16.89                    |                        |             |
| 15       | 256QAM          | 75      | 0         | 16.79                   | 17.15                      | 17.19                    | 17.14                   | 16.86                    |                        |             |
| Channel  |                 |         |           |                         |                            |                          |                         |                          |                        |             |
|          | Frequency (MHz) |         |           | 39700                   | 40160                      | 40640                    | 41080                   | 41540                    | Tune-up limit<br>(dbm) | MPR<br>(db) |
|          |                 |         |           | 2546.5                  | 2548.3                     | 2593.5                   | 2640.5                  | 2687.5                   |                        |             |
| 10       | QPSK            | 1       | 0         | 16.96                   | 17.29                      | 17.35                    | 17.31                   | 16.92                    |                        |             |
| 10       | QPSK            | 1       | 25        | 16.78                   | 17.19                      | 17.17                    | 17.16                   | 16.85                    | 18                     | 0           |
| 10       | QPSK            | 1       | 49        | 16.87                   | 17.17                      | 17.18                    | 17.18                   | 16.90                    |                        |             |
| 10       | QPSK            | 25      | 0         | 16.78                   | 17.11                      | 17.15                    | 17.12                   | 16.86                    |                        |             |
| 10       | QPSK            | 25      | 12        | 16.84                   | 17.09                      | 17.25                    | 17.17                   | 16.88                    | 18                     | 0           |
| 10       | QPSK            | 25      | 36        | 16.78                   | 17.13                      | 17.23                    | 17.13                   | 16.83                    |                        |             |
| 10       | QPSK            | 50      | 0         | 16.76                   | 17.07                      | 17.25                    | 17.19                   | 16.92                    |                        |             |
| 10       | 16QAM           | 1       | 0         | 16.78                   | 17.07                      | 17.25                    | 17.14                   | 16.89                    |                        |             |
| 10       | 16QAM           | 1       | 25        | 16.87                   | 17.09                      | 17.22                    | 17.21                   | 16.91                    | 18                     | 0           |
| 10       | 16QAM           | 1       | 49        | 16.87                   | 17.12                      | 17.17                    | 17.21                   | 16.92                    |                        |             |
| 10       | 16QAM           | 25      | 0         | 16.87                   | 17.13                      | 17.24                    | 17.19                   | 16.92                    |                        |             |
| 10       | 16QAM           | 25      | 12        | 16.77                   | 17.18                      | 17.18                    | 17.18                   | 16.90                    | 18                     | 0           |
| 10       | 16QAM           | 25      | 36        | 16.81                   | 17.10                      | 17.23                    | 17.16                   | 16.89                    |                        |             |
| 10       | 64QAM           | 1       | 0         | 16.76                   | 17.08                      | 17.22                    | 17.17                   | 16.85                    |                        |             |
| 10       | 64QAM           | 1       | 25        | 16.81                   | 17.13                      | 17.22                    | 17.21                   | 16.89                    | 18                     | 0           |
| 10       | 64QAM           | 1       | 49        | 16.76                   | 17.09                      | 17.25                    | 17.18                   | 16.91                    |                        |             |
| 10       | 64QAM           | 25      | 0         | 16.85                   | 17.08                      | 17.24                    | 17.20                   | 16.89                    |                        |             |
| 10       | 64QAM           | 25      | 12        | 16.85                   | 17.11                      | 17.19                    | 17.16                   | 16.91                    | 18                     | 0           |
| 10       | 64QAM           | 25      | 36        | 16.76                   | 17.14                      | 17.23                    | 17.15                   | 16.86                    |                        |             |
| 10       | 256QAM          | 1       | 0         | 16.80                   | 17.13                      | 17.21                    | 17.16                   | 16.90                    |                        |             |
| 10       | 256QAM          | 1       | 25        | 16.82                   | 17.19                      | 17.22                    | 17.15                   | 16.83                    | 18                     | 0           |
| 10       | 256QAM          | 1       | 49        | 16.87                   | 17.17                      | 17.21                    | 17.13                   | 16.86                    |                        |             |
| 10       | 256QAM          | 25      | 0         | 16.80                   | 17.12                      | 17.18                    | 17.10                   | 16.93                    |                        |             |
| 10       | 256QAM          | 25      | 12        | 16.84                   | 17.12                      | 17.16                    | 17.21                   | 16.88                    | 18                     | 0           |
| 10       | 256QAM          | 25      | 36        | 16.83                   | 17.17                      | 17.22                    | 17.17                   | 16.82                    |                        |             |
| 10       | 256QAM          | 50      | 0         | 16.77                   | 17.08                      | 17.25                    | 17.10                   | 16.83                    |                        |             |
| Channel  |                 |         |           |                         |                            |                          |                         |                          |                        |             |
|          | Frequency (MHz) |         |           | 2499.5                  | 2545.8                     | 2593.5                   | 2640.3                  | 2687.5                   | Tune-up limit<br>(dbm) | MPR<br>(db) |
| 5        | QPSK            | 1       | 0         | 16.80                   | 17.12                      | 17.18                    | 17.14                   | 16.90                    |                        |             |
| 5        | QPSK            | 1       | 12        | 16.86                   | 17.08                      | 17.18                    | 17.18                   | 16.93                    | 18,000                 | 0           |
| 5        | QPSK            | 1       | 24        | 16.77                   | 17.09                      | 17.22                    | 17.16                   | 16.86                    |                        |             |
| 5        | QPSK            | 12      | 0         | 16.77                   | 17.07                      | 17.17                    | 17.10                   | 16.89                    |                        |             |
| 5        | QPSK            | 12      | 13        | 16.80                   | 17.14                      | 17.14                    | 17.12                   | 16.92                    | 18                     | 0           |
| 5        | QPSK            | 12      | 24        | 16.76                   | 17.12                      | 17.14                    | 17.18                   | 16.83                    |                        |             |
| 5        | 16QAM           | 1       | 0         | 16.78                   | 17.06                      | 17.22                    | 17.17                   | 16.88                    |                        |             |
| 5        | 16QAM           | 1       | 12        | 16.83                   | 17.16                      | 17.16                    | 17.17                   | 16.85                    | 18                     | 0           |
| 5        | 16QAM           | 1       | 24        | 16.76                   | 17.11                      | 17.18                    | 17.18                   | 16.93                    |                        |             |
| 5        | 16QAM           | 12      | 0         | 16.86                   | 17.10                      | 17.20                    | 17.20                   | 16.82                    |                        |             |
| 5        | 16QAM           | 12      | 7         | 16.83                   | 17.17                      | 17.14                    | 17.21                   | 16.87                    | 18                     | 0           |
| 5        | 16QAM           | 12      | 13        | 16.81                   | 17.09                      | 17.17                    | 17.12                   | 16.90                    |                        |             |
| 5        | 16QAM           | 25      | 0         | 16.84                   | 17.07                      | 17.19                    | 17.21                   | 16.84                    |                        |             |
| 5        | 64QAM           | 1       | 0         | 16.80                   | 17.12                      | 17.16                    | 17.20                   | 16.91                    |                        |             |
| 5        | 64QAM           | 12      | 0         | 16.84                   | 17.14                      | 17.25                    | 17.14                   | 16.87                    | 18                     | 0           |
| 5        | 64QAM           | 12      | 13        | 16.77                   | 17.07                      | 17.15                    | 17.12                   | 16.88                    |                        |             |
| 5        | 64QAM           | 25      | 0         | 16.80                   | 17.11                      | 17.21                    | 17.17                   | 16.93                    |                        |             |
| 5        | 256QAM          | 1       | 0         | 16.81                   | 17.12                      | 17.25                    | 17.13                   | 16.83                    |                        |             |
| 5        | 256QAM          | 1       | 12        | 16.80                   | 17.15                      | 17.25                    | 17.11                   | 16.92                    | 18                     | 0           |
| 5        | 256QAM          | 1       | 24        | 16.85                   | 17.10                      | 17.22                    | 17.21                   | 16.92                    |                        |             |
| 5        | 256QAM          | 12      | 0         | 16.81                   | 17.15                      | 17.21                    | 17.21                   | 16.84                    |                        |             |
| 5        | 256QAM          | 12      | 7         | 16.83                   | 17.12                      | 17.22                    | 17.12                   | 16.83                    | 18                     | 0           |
| 5        | 256QAM          | 12      | 13        | 16.82                   | 17.08                      | 17.22                    | 17.12                   | 16.90                    |                        |             |
| 5        | 256QAM          | 25      | 0         | 16.84                   | 17.16                      | 17.19                    | 17.15                   | 16.85                    |                        |             |

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| BW [MHz]                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           | 42190                       | 42590                          | 42990                        |                        |             |
| Frequency (MHz)            |            |         |           | 3460                        | 3500                           | 3540                         |                        |             |
| 20                         | QPSK       | 1       | 0         | 19.45                       | 19.47                          | 19.29                        | 20.5                   | 0           |
| 20                         | QPSK       | 1       | 49        | 19.38                       | 19.39                          | 19.15                        |                        |             |
| 20                         | QPSK       | 1       | 99        | 19.26                       | 19.38                          | 19.28                        |                        |             |
| 20                         | QPSK       | 50      | 0         | 19.36                       | 19.46                          | 19.36                        | 20.5                   | 0           |
| 20                         | QPSK       | 50      | 24        | 19.33                       | 19.40                          | 19.33                        |                        |             |
| 20                         | QPSK       | 50      | 50        | 19.34                       | 19.32                          | 19.24                        |                        |             |
| 20                         | QPSK       | 100     | 0         | 19.29                       | 19.21                          | 19.19                        | 20.5                   | 0           |
| 20                         | 16QAM      | 1       | 0         | 19.32                       | 19.37                          | 19.37                        |                        |             |
| 20                         | 16QAM      | 1       | 49        | 19.45                       | 19.35                          | 19.43                        |                        |             |
| 20                         | 16QAM      | 1       | 99        | 19.33                       | 19.22                          | 19.27                        | 20.5                   | 0           |
| 20                         | 16QAM      | 50      | 0         | 19.43                       | 19.46                          | 19.37                        |                        |             |
| 20                         | 16QAM      | 50      | 24        | 19.33                       | 19.33                          | 19.26                        |                        |             |
| 20                         | 16QAM      | 50      | 50        | 19.41                       | 19.34                          | 19.37                        | 20.5                   | 0           |
| 20                         | 16QAM      | 100     | 0         | 19.39                       | 19.36                          | 19.32                        |                        |             |
| 20                         | 64QAM      | 1       | 0         | 19.41                       | 19.25                          | 19.31                        |                        |             |
| 20                         | 64QAM      | 1       | 49        | 19.34                       | 19.34                          | 19.40                        | 20.5                   | 0           |
| 20                         | 64QAM      | 1       | 99        | 19.33                       | 19.24                          | 19.22                        |                        |             |
| 20                         | 64QAM      | 50      | 0         | 19.34                       | 19.42                          | 19.35                        |                        |             |
| 20                         | 64QAM      | 50      | 24        | 19.26                       | 19.37                          | 19.39                        | 20.5                   | 0           |
| 20                         | 64QAM      | 50      | 50        | 19.45                       | 19.26                          | 19.30                        |                        |             |
| 20                         | 64QAM      | 100     | 0         | 19.29                       | 19.43                          | 19.37                        |                        |             |
| 20                         | 256QAM     | 1       | 0         | 18.16                       | 17.80                          | 17.71                        | 19                     | 1.5         |
| 20                         | 256QAM     | 1       | 49        | 17.98                       | 17.62                          | 17.88                        |                        |             |
| 20                         | 256QAM     | 99      | 1         | 18.27                       | 18.19                          | 17.85                        |                        |             |
| 20                         | 256QAM     | 50      | 0         | 18.09                       | 17.99                          | 17.78                        | 19                     | 1.5         |
| 20                         | 256QAM     | 50      | 24        | 18.17                       | 17.86                          | 17.74                        |                        |             |
| 20                         | 256QAM     | 50      | 50        | 18.44                       | 18.07                          | 17.98                        |                        |             |
| 20                         | 256QAM     | 100     | 0         | 18.36                       | 18.33                          | 18.12                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 42115                       | 42590                          | 43095                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3457.5                      | 3500                           | 3542.5                       |                        |             |
| 15                         | QPSK       | 1       | 0         | 19.29                       | 19.33                          | 19.34                        | 20.5                   | 0           |
| 15                         | QPSK       | 1       | 37        | 19.34                       | 19.41                          | 19.39                        |                        |             |
| 15                         | QPSK       | 1       | 74        | 19.34                       | 19.29                          | 19.33                        |                        |             |
| 15                         | QPSK       | 36      | 0         | 19.36                       | 19.35                          | 19.26                        | 20.5                   | 0           |
| 15                         | QPSK       | 36      | 20        | 19.42                       | 19.34                          | 19.37                        |                        |             |
| 15                         | QPSK       | 36      | 39        | 19.20                       | 19.34                          | 19.33                        |                        |             |
| 15                         | QPSK       | 75      | 0         | 19.21                       | 19.21                          | 19.21                        | 20.5                   | 0           |
| 15                         | 16QAM      | 1       | 0         | 19.36                       | 19.33                          | 19.38                        |                        |             |
| 15                         | 16QAM      | 1       | 37        | 19.38                       | 19.36                          | 19.29                        |                        |             |
| 15                         | 16QAM      | 1       | 74        | 19.21                       | 19.28                          | 19.35                        | 20.5                   | 0           |
| 15                         | 16QAM      | 36      | 0         | 19.26                       | 19.32                          | 19.41                        |                        |             |
| 15                         | 16QAM      | 36      | 20        | 19.28                       | 19.29                          | 19.31                        |                        |             |
| 15                         | 16QAM      | 36      | 39        | 19.38                       | 19.36                          | 19.32                        | 20.5                   | 0           |
| 15                         | 16QAM      | 75      | 0         | 19.35                       | 19.29                          | 19.40                        |                        |             |
| 15                         | 64QAM      | 1       | 0         | 19.40                       | 19.35                          | 19.46                        |                        |             |
| 15                         | 64QAM      | 1       | 37        | 19.26                       | 19.34                          | 19.39                        | 20.5                   | 0           |
| 15                         | 64QAM      | 1       | 74        | 19.23                       | 19.28                          | 19.38                        |                        |             |
| 15                         | 64QAM      | 36      | 0         | 19.33                       | 19.41                          | 19.43                        |                        |             |
| 15                         | 64QAM      | 36      | 20        | 19.35                       | 19.37                          | 19.29                        | 20.5                   | 0           |
| 15                         | 64QAM      | 36      | 39        | 19.23                       | 19.35                          | 19.35                        |                        |             |
| 15                         | 64QAM      | 75      | 0         | 19.39                       | 19.27                          | 19.26                        |                        |             |
| 15                         | 256QAM     | 1       | 0         | 18.07                       | 17.77                          | 17.55                        | 19                     | 1.5         |
| 15                         | 256QAM     | 1       | 37        | 17.86                       | 17.76                          | 17.77                        |                        |             |
| 15                         | 256QAM     | 1       | 74        | 18.21                       | 18.16                          | 17.63                        |                        |             |
| 15                         | 256QAM     | 36      | 0         | 17.89                       | 17.82                          | 17.55                        | 19                     | 1.5         |
| 15                         | 256QAM     | 36      | 20        | 17.68                       | 17.73                          | 17.54                        |                        |             |
| 15                         | 256QAM     | 36      | 39        | 18.17                       | 17.93                          | 17.82                        |                        |             |
| 15                         | 256QAM     | 75      | 0         | 18.20                       | 18.16                          | 17.93                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 42140                       | 42590                          | 43040                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3465                        | 3500                           | 3535                         |                        |             |
| 10                         | QPSK       | 1       | 0         | 19.27                       | 19.26                          | 19.27                        | 20.5                   | 0           |
| 10                         | QPSK       | 1       | 25        | 19.36                       | 19.40                          | 19.40                        |                        |             |
| 10                         | QPSK       | 1       | 49        | 19.25                       | 19.22                          | 19.37                        |                        |             |
| 10                         | QPSK       | 25      | 0         | 19.41                       | 19.27                          | 19.27                        | 20.5                   | 0           |
| 10                         | QPSK       | 25      | 12        | 19.33                       | 19.37                          | 19.37                        |                        |             |
| 10                         | QPSK       | 25      | 25        | 19.28                       | 19.44                          | 19.35                        |                        |             |
| 10                         | QPSK       | 50      | 0         | 19.21                       | 19.26                          | 19.16                        | 20.5                   | 0           |
| 10                         | 16QAM      | 1       | 0         | 19.39                       | 19.25                          | 19.29                        |                        |             |
| 10                         | 16QAM      | 1       | 25        | 19.28                       | 19.38                          | 19.35                        |                        |             |
| 10                         | 16QAM      | 1       | 49        | 19.33                       | 19.35                          | 19.26                        | 20.5                   | 0           |
| 10                         | 16QAM      | 25      | 0         | 19.29                       | 19.38                          | 19.38                        |                        |             |
| 10                         | 16QAM      | 25      | 12        | 19.28                       | 19.39                          | 19.28                        |                        |             |
| 10                         | 16QAM      | 25      | 25        | 19.40                       | 19.37                          | 19.30                        | 20.5                   | 0           |
| 10                         | 16QAM      | 50      | 0         | 19.38                       | 19.39                          | 19.32                        |                        |             |
| 10                         | 16QAM      | 50      | 1         | 19.36                       | 19.31                          | 19.45                        |                        |             |
| 10                         | 64QAM      | 1       | 0         | 19.33                       | 19.34                          | 19.27                        | 20.5                   | 0           |
| 10                         | 64QAM      | 1       | 49        | 19.22                       | 19.19                          | 19.26                        |                        |             |
| 10                         | 64QAM      | 25      | 0         | 19.30                       | 19.40                          | 19.43                        |                        |             |
| 10                         | 64QAM      | 25      | 12        | 19.36                       | 19.27                          | 19.38                        | 20.5                   | 0           |
| 10                         | 64QAM      | 25      | 25        | 19.24                       | 19.40                          | 19.26                        |                        |             |
| 10                         | 64QAM      | 50      | 0         | 19.33                       | 19.22                          | 19.27                        |                        |             |
| 10                         | 256QAM     | 1       | 0         | 18.07                       | 17.71                          | 17.67                        | 19                     | 1.5         |
| 10                         | 256QAM     | 1       | 25        | 17.85                       | 17.80                          | 17.78                        |                        |             |
| 10                         | 256QAM     | 1       | 49        | 18.13                       | 18.19                          | 17.70                        |                        |             |
| 10                         | 256QAM     | 25      | 0         | 17.92                       | 17.85                          | 17.46                        | 19                     | 1.5         |
| 10                         | 256QAM     | 25      | 12        | 18.05                       | 17.75                          | 17.54                        |                        |             |
| 10                         | 256QAM     | 25      | 25        | 18.22                       | 18.02                          | 17.69                        |                        |             |
| 10                         | 256QAM     | 50      | 0         | 18.17                       | 18.08                          | 18.00                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 42115                       | 42590                          | 43095                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3452.5                      | 3500                           | 3547.5                       |                        |             |
| 5                          | QPSK       | 1       | 0         | 19.28                       | 19.25                          | 19.33                        | 20.5                   | 0           |
| 5                          | QPSK       | 1       | 12        | 19.31                       | 19.43                          | 19.30                        |                        |             |
| 5                          | QPSK       | 1       | 24        | 19.28                       | 19.29                          | 19.32                        |                        |             |
| 5                          | QPSK       | 12      | 0         | 19.45                       | 19.25                          | 19.31                        | 20.5                   | 0           |
| 5                          | QPSK       | 12      | 7         | 19.30                       | 19.44                          | 19.40                        |                        |             |
| 5                          | QPSK       | 12      | 13        | 19.26                       | 19.39                          | 19.34                        |                        |             |
| 5                          | QPSK       | 25      | 0         | 19.21                       | 19.25                          | 19.21                        | 20.5                   | 0           |
| 5                          | 16QAM      | 1       | 0         | 19.31                       | 19.27                          | 19.38                        |                        |             |
| 5                          | 16QAM      | 1       | 12        | 19.26                       | 19.37                          | 19.32                        |                        |             |
| 5                          | 16QAM      | 1       | 24        | 19.30                       | 19.32                          | 19.24                        | 20.5                   | 0           |
| 5                          | 16QAM      | 12      | 0         | 19.37                       | 19.28                          | 19.36                        |                        |             |
| 5                          | 16QAM      | 12      | 7         | 19.34                       | 19.39                          | 19.39                        |                        |             |
| 5                          | 16QAM      | 12      | 13        | 19.38                       | 19.34                          | 19.29                        | 20.5                   | 0           |
| 5                          | 16QAM      | 25      | 0         | 19.36                       | 19.28                          | 19.33                        |                        |             |
| 5                          | 16QAM      | 25      | 1         | 19.31                       | 19.25                          | 19.41                        |                        |             |
| 5                          | 64QAM      | 1       | 0         | 19.27                       | 19.38                          | 19.28                        | 20.5                   | 0           |
| 5                          | 64QAM      | 1       | 24        | 19.29                       | 19.28                          | 19.18                        |                        |             |
| 5                          | 64QAM      | 12      | 0         | 19.38                       | 19.43                          | 19.33                        |                        |             |
| 5                          | 64QAM      | 12      | 7         | 19.42                       | 19.34                          | 19.31                        | 20.5                   | 0           |
| 5                          | 64QAM      | 12      | 13        | 19.30                       | 19.38                          | 19.33                        |                        |             |
| 5                          | 64QAM      | 25      | 0         | 19.38                       | 19.24                          | 19.35                        |                        |             |
| 5                          | 256QAM     | 1       | 0         | 17.96                       | 17.77                          | 17.58                        | 19                     | 1.5         |
| 5                          | 256QAM     | 1       | 12        | 17.82                       | 17.84                          | 17.70                        |                        |             |
| 5                          | 256QAM     | 1       | 24        | 18.21                       | 18.07                          | 17.72                        |                        |             |
| 5                          | 256QAM     | 12      | 0         | 17.89                       | 17.44                          | 17.47                        | 19                     | 1.5         |
| 5                          | 256QAM     | 12      | 7         | 18.07                       | 17.71                          | 17.58                        |                        |             |
| 5                          | 256QAM     | 12      | 13        | 18.14                       | 18.02                          | 17.78                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.17                       | 18.14                          | 17.85                        |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Low Middle<br>Ch. / Freq. | Power<br>High Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------|------------------------------------|-------------------------------------|------------------------------|------------------------|-------------|
| Channel         |            |         |           | 55340                       | 55830                              | 56150                               | 56640                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3600                        | 3600                               | 3600                                | 3644                         |                        |             |
| 20              | QPSK       | 1       | 0         | 19.68                       | 19.55                              | 19.43                               | 19.50                        | 20.5                   | 0           |
| 20              | QPSK       | 1       | 49        | 19.56                       | 19.44                              | 19.40                               | 19.48                        |                        |             |
| 20              | QPSK       | 1       | 99        | 19.38                       | 19.37                              | 19.39                               | 19.47                        |                        |             |
| 20              | QPSK       | 50      | 0         | 19.58                       | 19.53                              | 19.40                               | 19.52                        |                        |             |
| 20              | QPSK       | 50      | 24        | 19.51                       | 19.45                              | 19.39                               | 19.46                        | 20.5                   | 0           |
| 20              | QPSK       | 50      | 50        | 19.45                       | 19.48                              | 19.36                               | 19.50                        |                        |             |
| 20              | QPSK       | 100     | 0         | 19.53                       | 19.52                              | 19.25                               | 19.43                        |                        |             |
| 20              | 16QAM      | 1       | 0         | 19.41                       | 19.44                              | 19.47                               | 19.44                        |                        |             |
| 20              | 16QAM      | 1       | 49        | 19.40                       | 19.43                              | 19.40                               | 19.41                        | 20.5                   | 0           |
| 20              | 16QAM      | 1       | 99        | 19.42                       | 19.42                              | 19.40                               | 19.40                        |                        |             |
| 20              | 16QAM      | 50      | 0         | 19.41                       | 19.44                              | 19.43                               | 19.44                        |                        |             |
| 20              | 16QAM      | 50      | 24        | 19.44                       | 19.46                              | 19.48                               | 19.41                        |                        |             |
| 20              | 16QAM      | 50      | 50        | 19.46                       | 19.47                              | 19.47                               | 19.48                        | 20.5                   | 0           |
| 20              | 16QAM      | 100     | 0         | 19.49                       | 19.46                              | 19.47                               | 19.42                        |                        |             |
| 20              | 84QAM      | 1       | 0         | 19.40                       | 19.40                              | 19.43                               | 19.40                        |                        |             |
| 20              | 84QAM      | 1       | 49        | 19.47                       | 19.49                              | 19.45                               | 19.39                        | 20.5                   | 0           |
| 20              | 84QAM      | 1       | 99        | 19.44                       | 19.33                              | 19.39                               | 19.35                        |                        |             |
| 20              | 84QAM      | 50      | 0         | 19.41                       | 19.42                              | 19.46                               | 19.49                        |                        |             |
| 20              | 84QAM      | 50      | 24        | 19.49                       | 19.46                              | 19.48                               | 19.35                        |                        |             |
| 20              | 84QAM      | 50      | 50        | 19.49                       | 19.42                              | 19.46                               | 19.39                        | 20.5                   | 0           |
| 20              | 84QAM      | 100     | 0         | 19.46                       | 19.46                              | 19.42                               | 19.40                        |                        |             |
| 20              | 256QAM     | 1       | 0         | 18.00                       | 17.87                              | 17.93                               | 17.96                        |                        |             |
| 20              | 256QAM     | 1       | 49        | 17.89                       | 17.84                              | 17.80                               | 17.74                        | 19                     | 1.5         |
| 20              | 256QAM     | 1       | 99        | 18.03                       | 17.99                              | 17.98                               | 17.91                        |                        |             |
| 20              | 256QAM     | 50      | 0         | 17.89                       | 17.79                              | 17.84                               | 17.79                        |                        |             |
| 20              | 256QAM     | 50      | 24        | 17.91                       | 17.81                              | 17.82                               | 17.81                        |                        |             |
| 20              | 256QAM     | 50      | 50        | 17.99                       | 17.93                              | 17.87                               | 17.88                        | 19                     | 1.5         |
| 20              | 256QAM     | 100     | 0         | 17.98                       | 17.86                              | 17.84                               | 17.86                        |                        |             |
| Channel         |            |         |           | 55515                       | 56020                              | 56160                               | 56655                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3607.5                      | 3608                               | 3642                                | 3692.5                       |                        |             |
| 15              | QPSK       | 1       | 0         | 19.44                       | 19.44                              | 19.43                               | 19.31                        | 20.5                   | 0           |
| 15              | QPSK       | 1       | 31        | 19.47                       | 19.43                              | 19.41                               | 19.45                        |                        |             |
| 15              | QPSK       | 1       | 74        | 19.47                       | 19.46                              | 19.42                               | 19.45                        |                        |             |
| 15              | QPSK       | 36      | 0         | 19.48                       | 19.40                              | 19.48                               | 19.42                        |                        |             |
| 15              | QPSK       | 36      | 20        | 19.40                       | 19.46                              | 19.46                               | 19.44                        | 20.5                   | 0           |
| 15              | QPSK       | 36      | 39        | 19.46                       | 19.45                              | 19.35                               | 19.41                        |                        |             |
| 15              | QPSK       | 75      | 0         | 19.49                       | 19.47                              | 19.21                               | 19.40                        |                        |             |
| 15              | 16QAM      | 1       | 0         | 19.42                       | 19.43                              | 19.44                               | 19.48                        | 20.5                   | 0           |
| 15              | 16QAM      | 1       | 37        | 19.42                       | 19.41                              | 19.40                               | 19.48                        |                        |             |
| 15              | 16QAM      | 1       | 74        | 19.47                       | 19.37                              | 19.39                               | 19.38                        |                        |             |
| 15              | 16QAM      | 36      | 0         | 19.40                       | 19.44                              | 19.44                               | 19.43                        |                        |             |
| 15              | 16QAM      | 36      | 20        | 19.44                       | 19.44                              | 19.43                               | 19.40                        | 20.5                   | 0           |
| 15              | 16QAM      | 36      | 39        | 19.45                       | 19.46                              | 19.37                               | 19.35                        |                        |             |
| 15              | 84QAM      | 75      | 0         | 19.41                       | 19.45                              | 19.49                               | 19.43                        |                        |             |
| 15              | 84QAM      | 1       | 0         | 19.40                       | 19.38                              | 19.47                               | 19.43                        | 20.5                   | 0           |
| 15              | 84QAM      | 1       | 37        | 19.46                       | 19.43                              | 19.39                               | 19.34                        |                        |             |
| 15              | 84QAM      | 1       | 74        | 19.47                       | 19.35                              | 19.34                               | 19.32                        |                        |             |
| 15              | 84QAM      | 36      | 0         | 19.49                       | 19.40                              | 19.48                               | 19.45                        |                        |             |
| 15              | 84QAM      | 36      | 20        | 19.43                       | 19.49                              | 19.48                               | 19.41                        | 20.5                   | 0           |
| 15              | 84QAM      | 36      | 39        | 19.44                       | 19.46                              | 19.37                               | 19.38                        |                        |             |
| 15              | 84QAM      | 75      | 0         | 19.45                       | 19.45                              | 19.37                               | 19.38                        |                        |             |
| 15              | 84QAM      | 75      | 0         | 19.45                       | 19.45                              | 19.37                               | 19.38                        |                        |             |
| 15              | 256QAM     | 1       | 0         | 17.80                       | 17.72                              | 17.70                               | 17.75                        | 19                     | 1.5         |
| 15              | 256QAM     | 1       | 37        | 17.72                       | 17.72                              | 17.60                               | 17.51                        |                        |             |
| 15              | 256QAM     | 1       | 74        | 17.87                       | 17.74                              | 17.87                               | 17.79                        |                        |             |
| 15              | 256QAM     | 36      | 0         | 17.76                       | 17.59                              | 17.60                               | 17.57                        |                        |             |
| 15              | 256QAM     | 36      | 20        | 17.69                       | 17.61                              | 17.68                               | 17.63                        | 19                     | 1.5         |
| 15              | 256QAM     | 36      | 39        | 17.77                       | 17.71                              | 17.73                               | 17.73                        |                        |             |
| 15              | 256QAM     | 75      | 0         | 17.78                       | 17.74                              | 17.67                               | 17.75                        |                        |             |
| Channel         |            |         |           | 55900                       | 56315                              | 56410                               | 56900                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3655                        | 3607.5                             | 3642.5                              | 3695                         |                        |             |
| 10              | QPSK       | 1       | 0         | 19.46                       | 19.45                              | 19.33                               | 19.36                        | 20.5                   | 0           |
| 10              | QPSK       | 1       | 25        | 19.48                       | 19.43                              | 19.47                               | 19.46                        |                        |             |
| 10              | QPSK       | 1       | 49        | 19.48                       | 19.36                              | 19.45                               | 19.42                        |                        |             |
| 10              | QPSK       | 25      | 0         | 19.41                       | 19.42                              | 19.40                               | 19.47                        |                        |             |
| 10              | QPSK       | 25      | 0         | 19.49                       | 19.47                              | 19.45                               | 19.46                        | 20.5                   | 0           |
| 10              | QPSK       | 25      | 25        | 19.46                       | 19.40                              | 19.42                               | 19.48                        |                        |             |
| 10              | QPSK       | 50      | 0         | 19.43                       | 19.48                              | 19.28                               | 19.44                        |                        |             |
| 10              | 16QAM      | 1       | 0         | 19.46                       | 19.41                              | 19.42                               | 19.47                        |                        |             |
| 10              | 16QAM      | 1       | 25        | 19.44                       | 19.44                              | 19.43                               | 19.41                        | 20.5                   | 0           |
| 10              | 16QAM      | 1       | 49        | 19.43                       | 19.42                              | 19.42                               | 19.35                        |                        |             |
| 10              | 16QAM      | 25      | 0         | 19.42                       | 19.48                              | 19.44                               | 19.43                        |                        |             |
| 10              | 16QAM      | 25      | 12        | 19.49                       | 19.40                              | 19.47                               | 19.40                        | 20.5                   | 0           |
| 10              | 16QAM      | 25      | 25        | 19.46                       | 19.42                              | 19.46                               | 19.35                        |                        |             |
| 10              | 16QAM      | 50      | 0         | 19.40                       | 19.45                              | 19.41                               | 19.46                        |                        |             |
| 10              | 84QAM      | 1       | 0         | 19.45                       | 19.41                              | 19.49                               | 19.38                        | 20.5                   | 0           |
| 10              | 84QAM      | 1       | 49        | 19.49                       | 19.41                              | 19.38                               | 19.43                        |                        |             |
| 10              | 84QAM      | 1       | 25        | 19.49                       | 19.35                              | 19.31                               | 19.28                        |                        |             |
| 10              | 84QAM      | 25      | 0         | 19.41                       | 19.47                              | 19.49                               | 19.43                        |                        |             |
| 10              | 84QAM      | 25      | 12        | 19.49                       | 19.40                              | 19.46                               | 19.45                        | 20.5                   | 0           |
| 10              | 84QAM      | 25      | 25        | 19.49                       | 19.48                              | 19.44                               | 19.35                        |                        |             |
| 10              | 84QAM      | 50      | 0         | 19.45                       | 19.44                              | 19.46                               | 19.39                        |                        |             |
| 10              | 256QAM     | 1       | 0         | 17.82                       | 17.67                              | 17.75                               | 17.77                        | 19                     | 1.5         |
| 10              | 256QAM     | 1       | 25        | 17.70                       | 17.63                              | 17.65                               | 17.62                        |                        |             |
| 10              | 256QAM     | 1       | 49        | 17.80                       | 17.73                              | 17.74                               | 17.87                        |                        |             |
| 10              | 256QAM     | 25      | 0         | 17.66                       | 17.63                              | 17.63                               | 17.57                        |                        |             |
| 10              | 256QAM     | 25      | 12        | 17.89                       | 17.70                              | 17.70                               | 17.60                        | 19                     | 1.5         |
| 10              | 256QAM     | 25      | 25        | 17.87                       | 17.70                              | 17.74                               | 17.71                        |                        |             |
| 10              | 256QAM     | 50      | 0         | 17.80                       | 17.64                              | 17.64                               | 17.75                        |                        |             |
| Channel         |            |         |           | 55955                       | 56810                              | 56170                               | 56715                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 3692.5                      | 3607                               | 3643                                | 3697.5                       |                        |             |
| 5               | QPSK       | 1       | 0         | 19.47                       | 19.49                              | 19.53                               | 19.55                        | 20.5                   | 0           |
| 5               | QPSK       | 1       | 12        | 19.44                       | 19.44                              | 19.41                               | 19.42                        |                        |             |
| 5               | QPSK       | 1       | 24        | 19.43                       | 19.43                              | 19.42                               | 19.40                        |                        |             |
| 5               | QPSK       | 12      | 0         | 19.46                       | 19.46                              | 19.45                               | 19.40                        |                        |             |
| 5               | QPSK       | 12      | 7         | 19.42                       | 19.40                              | 19.41                               | 19.47                        | 20.5                   | 0           |
| 5               | QPSK       | 12      | 13        | 19.46                       | 19.48                              | 19.47                               | 19.41                        |                        |             |
| 5               | QPSK       | 26      | 0         | 19.46                       | 19.48                              | 19.23                               | 19.43                        |                        |             |
| 5               | 16QAM      | 1       | 0         | 19.44                       | 19.41                              | 19.42                               | 19.48                        | 20.5                   | 0           |
| 5               | 16QAM      | 1       | 12        | 19.49                       | 19.42                              | 19.49                               | 19.47                        |                        |             |
| 5               | 16QAM      | 1       | 24        | 19.47                       | 19.36                              | 19.43                               | 19.41                        |                        |             |
| 5               | 16QAM      | 12      | 0         | 19.40                       | 19.48                              | 19.47                               | 19.45                        |                        |             |
| 5               | 16QAM      | 12      | 7         | 19.40                       | 19.45                              | 19.47                               | 19.45                        | 20.5                   | 0           |
| 5               | 16QAM      | 12      | 13        | 19.46                       | 19.43                              | 19.49                               | 19.45                        |                        |             |
| 5               | 16QAM      | 25      | 0         | 19.40                       | 19.48                              | 19.43                               | 19.46                        |                        |             |
| 5               | 64QAM      | 1       | 0         | 19.49                       | 19.44                              | 19.44                               | 19.41                        | 20.5                   | 0           |
| 5               | 64QAM      | 1       | 12        | 19.46                       | 19.43                              | 19.44                               | 19.44                        |                        |             |
| 5               | 64QAM      | 1       | 24        | 19.41                       | 19.33                              | 19.42                               | 19.29                        |                        |             |
| 5               | 64QAM      | 12      | 0         | 19.49                       | 19.47                              | 19.49                               | 19.41                        |                        |             |
| 5               | 64QAM      | 12      | 7         | 19.44                       | 19.44                              | 19.49                               | 19.36                        | 20.5                   | 0           |
| 5               | 64QAM      | 12      | 13        | 19.47                       | 19.38                              | 19.43                               | 19.40                        |                        |             |
| 5               | 84QAM      | 25      | 0         | 19.44                       | 19.41                              | 19.36                               | 19.49                        |                        |             |
| 5               | 256QAM     | 1       | 0         | 17.64                       | 17.64                              | 17.82                               | 17.74                        | 19                     | 1.5         |
| 5               | 256QAM     | 1       | 12        | 17.67                       | 17.62                              | 17.59                               | 17.52                        |                        |             |
| 5               | 256QAM     | 1       | 24        | 17.62                       | 17.76                              | 17.81                               | 17.87                        |                        |             |
| 5               | 256QAM     | 12      | 0         | 17.79                       | 17.56                              | 17.62                               | 17.63                        |                        |             |
| 5               | 256QAM     | 12      | 7         | 17.67                       | 17.66                              | 17.67                               | 17.60                        | 19                     | 1.5         |
| 5               | 256QAM     | 12      | 13        | 17.66                       | 17.69                              | 17.75                               | 17.78                        |                        |             |
| 5               | 256QAM     | 25      | 0         | 17.64                       | 17.71                              | 17.61                               | 17.68                        |                        |             |

## Full&amp;Default Power ENDC Mode

Band 4\_Ant 1

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power Low<br>Ch. Freq.<br>20000 | Power Middle<br>Ch. Freq.<br>20050 | Power High<br>Ch. Freq.<br>20080 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|---------------------------------|------------------------------------|----------------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 20              | QPSK       | 1       | 0       | 0         | 1720                            | 1724.5                             | 1745                             | 24.5                   | 0           |
| 20              | QPSK       | 1       | 49      | 0         | 23.37                           | 23.45                              | 23.32                            |                        |             |
| 20              | QPSK       | 1       | 99      | 0         | 23.38                           | 23.39                              | 23.33                            |                        |             |
| 20              | QPSK       | 50      | 0       | 23.98     | 23.01                           | 22.95                              | 22.95                            |                        |             |
| 20              | QPSK       | 50      | 24      | 0         | 22.93                           | 22.94                              | 22.87                            | 24                     | 0.5         |
| 20              | QPSK       | 50      | 50      | 0         | 22.87                           | 22.89                              | 22.82                            |                        |             |
| 20              | QPSK       | 100     | 0       | 22.84     | 22.85                           | 22.80                              | 22.80                            |                        |             |
| 20              | 16QAM      | 1       | 0       | 0         | 22.85                           | 22.91                              | 22.87                            |                        |             |
| 20              | 16QAM      | 1       | 49      | 0         | 22.87                           | 22.95                              | 22.86                            | 24                     | 0.5         |
| 20              | 16QAM      | 1       | 99      | 0         | 22.93                           | 22.88                              | 22.84                            |                        |             |
| 20              | 16QAM      | 50      | 0       | 0         | 21.85                           | 21.94                              | 21.91                            |                        |             |
| 20              | 16QAM      | 50      | 24      | 0         | 21.86                           | 21.90                              | 21.89                            |                        |             |
| 20              | 16QAM      | 50      | 50      | 0         | 21.88                           | 21.95                              | 21.93                            | 23                     | 1.5         |
| 20              | 16QAM      | 100     | 0       | 0         | 21.83                           | 21.85                              | 21.86                            |                        |             |
| 20              | 16QAM      | 1       | 0       | 0         | 21.86                           | 21.92                              | 21.84                            |                        |             |
| 20              | 16QAM      | 1       | 49      | 0         | 21.86                           | 21.91                              | 21.89                            |                        |             |
| 20              | 64QAM      | 1       | 99      | 0         | 21.85                           | 21.95                              | 21.84                            | 23                     | 1.5         |
| 20              | 64QAM      | 1       | 0       | 0         | 21.86                           | 21.92                              | 21.84                            |                        |             |
| 20              | 64QAM      | 50      | 0       | 0         | 20.92                           | 20.88                              | 20.91                            |                        |             |
| 20              | 64QAM      | 50      | 24      | 0         | 20.91                           | 20.87                              | 20.93                            |                        |             |
| 20              | 64QAM      | 50      | 50      | 0         | 20.92                           | 20.86                              | 20.91                            | 22                     | 2.5         |
| 20              | 64QAM      | 100     | 0       | 0         | 20.84                           | 20.91                              | 20.91                            |                        |             |
| 20              | 256QAM     | 1       | 18.85   | 0         | 18.85                           | 18.89                              | 18.90                            |                        |             |
| 20              | 256QAM     | 1       | 49      | 0         | 18.82                           | 18.93                              | 18.86                            |                        |             |
| 20              | 256QAM     | 1       | 99      | 0         | 18.88                           | 18.93                              | 18.87                            | 20                     | 4.5         |
| 20              | 256QAM     | 50      | 0       | 0         | 18.85                           | 18.95                              | 18.90                            |                        |             |
| 20              | 256QAM     | 50      | 24      | 0         | 18.92                           | 18.85                              | 18.85                            |                        |             |
| 20              | 256QAM     | 50      | 50      | 0         | 18.93                           | 18.91                              | 18.89                            |                        |             |
| 20              | 256QAM     | 100     | 0       | 0         | 18.90                           | 18.89                              | 18.89                            | 20                     | 4.5         |
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 15              | QPSK       | 1       | 0       | 0         | 20025                           | 20025.5                            | 20035                            | 24.5                   | 0           |
| 15              | QPSK       | 1       | 37      | 0         | 23.41                           | 23.42                              | 23.39                            |                        |             |
| 15              | QPSK       | 1       | 74      | 0         | 23.22                           | 23.34                              | 23.21                            |                        |             |
| 15              | QPSK       | 1       | 111     | 0         | 23.30                           | 23.27                              | 23.23                            |                        |             |
| 15              | QPSK       | 36      | 0       | 0         | 22.93                           | 22.85                              | 22.79                            | 24                     | 0.5         |
| 15              | QPSK       | 36      | 20      | 0         | 22.79                           | 22.84                              | 22.78                            |                        |             |
| 15              | QPSK       | 36      | 36      | 0         | 22.74                           | 22.79                              | 22.75                            |                        |             |
| 15              | QPSK       | 75      | 0       | 0         | 22.70                           | 22.81                              | 22.85                            |                        |             |
| 15              | 16QAM      | 1       | 0       | 0         | 22.79                           | 22.80                              | 22.77                            | 24                     | 0.5         |
| 15              | 16QAM      | 1       | 37      | 0         | 22.81                           | 22.81                              | 22.79                            |                        |             |
| 15              | 16QAM      | 1       | 74      | 0         | 22.87                           | 22.80                              | 22.71                            |                        |             |
| 15              | 16QAM      | 36      | 0       | 0         | 21.72                           | 21.83                              | 21.67                            |                        |             |
| 15              | 16QAM      | 36      | 20      | 0         | 21.74                           | 21.83                              | 21.69                            | 23                     | 1.5         |
| 15              | 16QAM      | 36      | 39      | 0         | 21.72                           | 21.80                              | 21.71                            |                        |             |
| 15              | 16QAM      | 75      | 0       | 0         | 21.74                           | 21.75                              | 21.80                            |                        |             |
| 15              | 64QAM      | 1       | 0       | 0         | 21.75                           | 21.77                              | 21.71                            |                        |             |
| 15              | 64QAM      | 1       | 37      | 0         | 21.78                           | 21.77                              | 21.80                            | 23                     | 1.5         |
| 15              | 64QAM      | 1       | 74      | 0         | 21.77                           | 21.84                              | 21.78                            |                        |             |
| 15              | 64QAM      | 36      | 0       | 0         | 20.81                           | 20.81                              | 20.81                            |                        |             |
| 15              | 64QAM      | 36      | 20      | 0         | 20.85                           | 20.72                              | 20.72                            |                        |             |
| 15              | 64QAM      | 36      | 39      | 0         | 20.83                           | 20.79                              | 20.82                            | 22                     | 2.5         |
| 15              | 64QAM      | 75      | 0       | 0         | 20.77                           | 20.79                              | 20.82                            |                        |             |
| 15              | 256QAM     | 1       | 0       | 0         | 18.71                           | 18.73                              | 18.77                            |                        |             |
| 15              | 256QAM     | 1       | 37      | 0         | 18.69                           | 18.77                              | 18.70                            |                        |             |
| 15              | 256QAM     | 36      | 0       | 0         | 18.83                           | 18.75                              | 18.71                            | 20                     | 4.5         |
| 15              | 256QAM     | 36      | 20      | 0         | 18.79                           | 18.73                              | 18.74                            |                        |             |
| 15              | 256QAM     | 36      | 39      | 0         | 18.87                           | 18.74                              | 18.75                            |                        |             |
| 15              | 256QAM     | 75      | 0       | 0         | 18.80                           | 18.76                              | 18.81                            |                        |             |
| 15              | 256QAM     | 75      | 0       | 0         | 18.80                           | 18.76                              | 18.81                            | 20                     | 4.5         |
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 10              | QPSK       | 1       | 0       | 0         | 23.35                           | 23.37                              | 23.32                            | 24.5                   | 0           |
| 10              | QPSK       | 1       | 25      | 0         | 23.27                           | 23.34                              | 23.24                            |                        |             |
| 10              | QPSK       | 1       | 49      | 0         | 23.29                           | 23.34                              | 23.17                            |                        |             |
| 10              | QPSK       | 25      | 0       | 0         | 22.93                           | 22.87                              | 22.88                            |                        |             |
| 10              | QPSK       | 25      | 12      | 0         | 22.80                           | 22.79                              | 22.76                            | 24                     | 0.5         |
| 10              | QPSK       | 25      | 25      | 0         | 22.78                           | 22.85                              | 22.72                            |                        |             |
| 10              | QPSK       | 50      | 0       | 0         | 22.75                           | 22.73                              | 22.73                            |                        |             |
| 10              | 16QAM      | 1       | 0       | 0         | 22.71                           | 22.76                              | 22.80                            |                        |             |
| 10              | 16QAM      | 1       | 25      | 0         | 22.81                           | 22.83                              | 22.78                            | 24                     | 0.5         |
| 10              | 16QAM      | 1       | 49      | 0         | 22.80                           | 22.83                              | 22.78                            |                        |             |
| 10              | 16QAM      | 25      | 0       | 0         | 21.82                           | 21.81                              | 21.89                            |                        |             |
| 10              | 16QAM      | 25      | 12      | 0         | 21.74                           | 21.79                              | 21.81                            |                        |             |
| 10              | 16QAM      | 25      | 25      | 0         | 21.74                           | 21.84                              | 21.67                            | 23                     | 1.5         |
| 10              | 16QAM      | 50      | 0       | 0         | 21.77                           | 21.79                              | 21.78                            |                        |             |
| 10              | 64QAM      | 1       | 0       | 0         | 21.77                           | 21.88                              | 21.75                            |                        |             |
| 10              | 64QAM      | 1       | 25      | 0         | 21.77                           | 21.83                              | 21.81                            |                        |             |
| 10              | 64QAM      | 1       | 49      | 0         | 21.74                           | 21.82                              | 21.68                            | 23                     | 1.5         |
| 10              | 64QAM      | 25      | 0       | 0         | 20.80                           | 20.78                              | 20.81                            |                        |             |
| 10              | 64QAM      | 25      | 12      | 0         | 20.84                           | 20.75                              | 20.77                            |                        |             |
| 10              | 64QAM      | 25      | 25      | 0         | 20.83                           | 20.73                              | 20.76                            |                        |             |
| 10              | 64QAM      | 50      | 0       | 0         | 20.73                           | 20.78                              | 20.86                            | 22                     | 2.5         |
| 10              | 256QAM     | 1       | 0       | 0         | 18.76                           | 18.74                              | 18.82                            |                        |             |
| 10              | 256QAM     | 1       | 25      | 0         | 18.82                           | 18.75                              | 18.75                            |                        |             |
| 10              | 256QAM     | 1       | 49      | 0         | 18.75                           | 18.84                              | 18.78                            |                        |             |
| 10              | 256QAM     | 25      | 0       | 0         | 18.69                           | 18.75                              | 18.79                            | 20                     | 4.5         |
| 10              | 256QAM     | 25      | 12      | 0         | 18.87                           | 18.72                              | 18.76                            |                        |             |
| 10              | 256QAM     | 25      | 25      | 0         | 18.84                           | 18.80                              | 18.84                            |                        |             |
| 10              | 256QAM     | 50      | 0       | 0         | 18.78                           | 18.75                              | 18.77                            |                        |             |
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 5               | QPSK       | 1       | 0       | 0         | 1722.5                          | 1727.5                             | 1752.5                           | 24.5                   | 0           |
| 5               | QPSK       | 1       | 12      | 0         | 23.42                           | 23.35                              | 23.35                            |                        |             |
| 5               | QPSK       | 1       | 24      | 0         | 23.25                           | 23.28                              | 23.24                            |                        |             |
| 5               | QPSK       | 12      | 0       | 0         | 22.93                           | 22.92                              | 22.80                            |                        |             |
| 5               | QPSK       | 12      | 7       | 0         | 22.78                           | 22.87                              | 22.77                            | 24                     | 0.5         |
| 5               | QPSK       | 12      | 13      | 0         | 22.71                           | 22.81                              | 22.76                            |                        |             |
| 5               | QPSK       | 25      | 0       | 0         | 22.74                           | 22.79                              | 22.70                            |                        |             |
| 5               | 16QAM      | 1       | 0       | 0         | 22.74                           | 22.86                              | 22.78                            |                        |             |
| 5               | 16QAM      | 1       | 12      | 0         | 22.80                           | 22.80                              | 22.81                            | 24                     | 0.5         |
| 5               | 16QAM      | 1       | 24      | 0         | 22.84                           | 22.80                              | 22.73                            |                        |             |
| 5               | 16QAM      | 12      | 0       | 0         | 21.78                           | 21.81                              | 21.69                            |                        |             |
| 5               | 16QAM      | 12      | 13      | 0         | 21.80                           | 21.74                              | 21.80                            |                        |             |
| 5               | 16QAM      | 25      | 0       | 0         | 21.68                           | 21.71                              | 21.68                            | 23                     | 1.5         |
| 5               | 64QAM      | 1       | 0       | 0         | 21.73                           | 21.79                              | 21.78                            |                        |             |
| 5               | 64QAM      | 1       | 12      | 0         | 21.81                           | 21.80                              | 21.76                            |                        |             |
| 5               | 64QAM      | 24      | 0       | 0         | 21.71                           | 21.80                              | 21.77                            |                        |             |
| 5               | 64QAM      | 12      | 0       | 0         | 20.83                           | 20.76                              | 20.79                            | 22                     | 2.5         |
| 5               | 64QAM      | 12      | 13      | 0         | 20.84                           | 20.70                              | 20.85                            |                        |             |
| 5               | 64QAM      | 25      | 0       | 0         | 20.73                           | 20.78                              | 20.77                            |                        |             |
| 5               | 256QAM     | 1       | 0       | 0         | 18.80                           | 18.78                              | 18.76                            |                        |             |
| 5               | 256QAM     | 1       | 12      | 0         | 18.87                           | 18.84                              | 18.73                            | 20                     | 4.5         |
| 5               | 256QAM     | 1       | 24      | 0         | 18.70                           | 18.74                              | 18.80                            |                        |             |
| 5               | 256QAM     | 12      | 0       | 0         | 18.85                           | 18.80                              | 18.80                            |                        |             |
| 5               | 256QAM     | 12      | 13      | 0         | 18.86                           | 18.75                              | 18.75                            |                        |             |
| 5               | 256QAM     | 25      | 0       | 0         | 18.75                           | 18.81                              | 18.82                            | 20                     | 4.5         |
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 3               | QPSK       | 1       | 0       | 0         | 19965                           | 20015                              | 20085                            | 24.5                   | 0           |
| 3               | QPSK       | 1       | 8       | 0         | 23.38                           | 23.41                              | 23.31                            |                        |             |
| 3               | QPSK       | 1       | 14      | 0         | 23.25                           | 23.28                              | 23.17                            |                        |             |
| 3               | QPSK       | 8       | 0       | 0         | 22.85                           | 22.95                              | 22.82                            |                        |             |
| 3               | QPSK       | 8       | 7       | 0         | 22.80                           | 22.78                              | 22.76                            | 24                     | 0.5         |
| 3               | QPSK       | 8       | 14      | 0         | 22.74                           | 22.77                              | 22.73                            |                        |             |
| 3               | QPSK       | 15      | 0       | 0         | 22.68                           | 22.73                              | 22.67                            |                        |             |
| 3               | 16QAM      | 1       | 0       | 0         | 22.74                           | 22.76                              | 22.73                            |                        |             |
| 3               | 16QAM      | 1       | 8       | 0         | 22.79                           | 22.89                              | 22.80                            | 24                     | 0.5         |
| 3               | 16QAM      | 1       | 14      | 0         | 22.87                           | 22.79                              | 22.76                            |                        |             |
| 3               | 16QAM      | 8       | 0       | 0         | 21.77                           | 21.89                              | 21.76                            |                        |             |
| 3               | 16QAM      | 8       | 7       | 0         | 21.70                           | 21.77                              | 21.75                            |                        |             |
| 3               | 16QAM      | 15      | 0       | 0         | 21.75                           | 21.80                              | 21.67                            | 23                     | 1.5         |
| 3               | 64QAM      | 1       | 0       | 0         | 21.78                           | 21.79                              | 21.79                            |                        |             |
| 3               | 64QAM      | 1       | 8       | 0         | 21.75                           | 21.81                              | 21.71                            |                        |             |
| 3               | 64QAM      | 1       | 14      | 0         | 21.79                           | 21.78                              | 21.73                            |                        |             |
| 3               | 64QAM      | 1       | 8       | 0         | 21.75                           | 21.81                              | 21.73                            | 23                     | 1.5         |
| 3               | 64QAM      | 1       | 14      | 0         | 21.76                           | 21.82                              | 21.74                            |                        |             |
| 3               | 64QAM      | 15      | 0       | 0         | 20.76                           | 20.75                              | 20.75                            |                        |             |
| 3               | 64QAM      | 15      | 0       | 0         | 20.77                           | 20.75                              | 20.68                            |                        |             |
| 3               | 64QAM      | 8       | 4       | 0         | 20.81                           | 20.75                              | 20.68                            | 22                     | 2.5         |
| 3               | 64QAM      | 8       | 7       | 0         | 20.85                           | 20.78                              | 20.72                            |                        |             |
| 3               | 64QAM      | 15      | 0       | 0         | 20.87                           | 20.82                              | 20.83                            |                        |             |
| 3               | 256QAM     | 1       | 0       | 0         | 18.69                           | 18.80                              | 18.76                            |                        |             |
| 3               | 256QAM     | 1       | 8       | 0         | 18.68                           | 18.73                              | 18.72                            | 20                     | 4.5         |
| 3               | 256QAM     | 1       | 14      | 0         | 18.77                           | 18.87                              | 18.75                            |                        |             |
| 3               | 256QAM     | 8       | 0       | 0         | 18.76                           | 18.71                              | 18.63                            |                        |             |
| 3               | 256QAM     | 8       | 4       | 0         | 18.63                           | 18.74                              | 18.72                            |                        |             |
| 3               | 256QAM     | 8       | 7       | 0         | 18.80                           | 18.75                              | 18.79                            | 20                     | 4.5         |
| 3               | 256QAM     | 15      | 0       | 0         | 18.84                           | 18.81                              | 18.78                            |                        |             |
| Channel         |            |         |         |           |                                 |                                    |                                  |                        |             |
| Frequency (MHz) |            |         |         |           |                                 |                                    |                                  |                        |             |
| 1.4             | QPSK       | 1       | 0       | 0         | 23.39                           | 23.44                              | 23.32                            | 24.5                   | 0           |
| 1.4             | QPSK       | 1       | 3       | 0         | 23.36                           | 23.42                              | 23.33                            |                        |             |
| 1.4             | QPSK       | 1       | 5       | 0         | 23.40                           | 23.37                              | 23.41                            |                        |             |
| 1.4             | QPSK       | 3       | 0       | 0         | 23.36                           | 23.44                              | 23.40                            |                        |             |
| 1.4             | QPSK       | 3       | 3       | 0         | 23.41                           | 23.41                              | 23.41                            | 24                     | 0.5         |
| 1.4             | QPSK       | 3       | 3       | 0         | 23.42                           | 23.37                              | 23.40                            |                        |             |
| 1.4             | QPSK       | 6       | 0       | 0         | 22.82                           | 22.86                              | 22.80                            |                        |             |
| 1.4             | 16QAM      | 1       | 0       | 0         | 22.83                           | 22.89                              | 22.86                            |                        |             |
| 1.4             | 16QAM      | 1       | 3       | 0         | 22.82                           | 22.88                              | 22.84                            | 24                     | 0.5         |
| 1.4             | 16QAM      | 1       | 5       | 0         | 22.89                           | 22.85                              | 22.89                            |                        |             |
| 1.4             | 16QAM      | 3       | 0       | 0         | 22.92                           | 22.92                              | 22.89                            |                        |             |
| 1.4             | 16QAM      | 3       | 3       | 0         | 22.92                           | 22.93                              | 22.90                            |                        |             |
| 1.4             | 16QAM      | 3       | 3       | 0         | 22.89                           | 22.87                              | 22.80                            | 23                     | 1.5         |
| 1.4             | 16QAM      | 3       | 3       | 0         | 21.73                           | 21.78                              | 21.79                            |                        |             |
| 1.4             | 64QAM      | 1       | 0       | 0         | 21.81                           | 21.80                              | 21.80                            |                        |             |
| 1.4             | 64QAM      | 1       | 3       | 0         | 21.77                           | 21.74                              | 21.78                            |                        |             |
| 1.4             | 64QAM      | 1       | 5       | 0         | 21.74                           | 21.77                              | 21.73                            | 23                     | 1.5         |
| 1.4             | 64QAM      | 3       | 0       | 0         | 21.70                           | 21.83                              | 21.78                            |                        |             |
| 1.4             | 64QAM      | 3       | 2       | 0         | 21.81                           | 21.83                              | 21.79                            |                        |             |
| 1.4             | 64QAM      | 3       | 3       | 0         | 21.79                           | 21.79                              | 21.73                            |                        |             |
| 1.4             | 64QAM      | 6       | 0       | 0         | 20.75                           | 20.77                              | 20.75                            | 22                     | 2.5         |
| 1.4             | 256QAM     | 1       | 0       | 0         | 18.79                           | 18.8                               |                                  |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>20850 | Power Middle<br>Ch. / Freq.<br>21100 | Power High<br>Ch. / Freq.<br>21350 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 20              | QPSK       | 1       | 0         | 2510                              | 2535                                 | 2560                               |                        |             |
| 20              | QPSK       | 1       | 49        | 7.88                              | 7.88                                 | 7.97                               | 9                      | 0           |
| 20              | QPSK       | 1       | 99        | 7.85                              | 7.91                                 | 7.90                               |                        |             |
| 20              | QPSK       | 50      | 0         | 7.92                              | 7.95                                 | 8.00                               |                        |             |
| 20              | QPSK       | 50      | 24        | 7.98                              | 7.94                                 | 7.91                               | 9                      | 0           |
| 20              | QPSK       | 50      | 50        | 7.90                              | 7.94                                 | 7.90                               |                        |             |
| 20              | QPSK       | 100     | 0         | 7.97                              | 7.93                                 | 7.89                               |                        |             |
| 20              | 16QAM      | 1       | 0         | 7.98                              | 7.95                                 | 7.98                               |                        |             |
| 20              | 16QAM      | 1       | 49        | 7.87                              | 7.95                                 | 7.89                               | 9                      | 0           |
| 20              | 16QAM      | 1       | 99        | 7.85                              | 7.95                                 | 7.87                               |                        |             |
| 20              | 16QAM      | 50      | 0         | 7.98                              | 7.87                                 | 7.88                               |                        |             |
| 20              | 16QAM      | 50      | 24        | 7.97                              | 7.88                                 | 7.85                               | 9                      | 0           |
| 20              | 16QAM      | 50      | 50        | 7.88                              | 7.90                                 | 7.88                               |                        |             |
| 20              | 16QAM      | 100     | 0         | 7.92                              | 7.85                                 | 7.88                               |                        |             |
| 20              | 64QAM      | 1       | 0         | 7.85                              | 7.94                                 | 7.97                               |                        |             |
| 20              | 64QAM      | 1       | 49        | 7.86                              | 7.91                                 | 7.90                               | 9                      | 0           |
| 20              | 64QAM      | 1       | 99        | 7.88                              | 7.91                                 | 7.88                               |                        |             |
| 20              | 64QAM      | 50      | 0         | 7.86                              | 7.94                                 | 7.94                               |                        |             |
| 20              | 64QAM      | 50      | 24        | 7.80                              | 7.86                                 | 7.80                               | 9                      | 0           |
| 20              | 64QAM      | 50      | 50        | 7.90                              | 7.86                                 | 7.87                               |                        |             |
| 20              | 64QAM      | 100     | 0         | 7.91                              | 7.90                                 | 7.94                               |                        |             |
| 20              | 256QAM     | 1       | 0         | 7.92                              | 7.90                                 | 7.96                               |                        |             |
| 20              | 256QAM     | 1       | 49        | 7.91                              | 7.86                                 | 7.93                               | 9                      | 0           |
| 20              | 256QAM     | 1       | 99        | 7.93                              | 7.89                                 | 7.93                               |                        |             |
| 20              | 256QAM     | 50      | 0         | 7.96                              | 7.98                                 | 7.91                               |                        |             |
| 20              | 256QAM     | 50      | 24        | 7.97                              | 7.97                                 | 7.87                               | 9                      | 0           |
| 20              | 256QAM     | 50      | 50        | 7.90                              | 7.88                                 | 7.96                               |                        |             |
| 20              | 256QAM     | 100     | 0         | 7.95                              | 7.91                                 | 7.98                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 15              | QPSK       | 1       | 0         | 20845                             | 21100                                | 21365                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 37        | 7.93                              | 7.93                                 | 7.97                               | 9                      | 0           |
| 15              | QPSK       | 1       | 74        | 7.85                              | 7.95                                 | 7.94                               |                        |             |
| 15              | QPSK       | 36      | 0         | 7.88                              | 7.91                                 | 7.88                               |                        |             |
| 15              | QPSK       | 36      | 20        | 7.86                              | 7.94                                 | 7.87                               | 9                      | 0           |
| 15              | QPSK       | 36      | 39        | 7.88                              | 7.91                                 | 7.86                               |                        |             |
| 15              | QPSK       | 75      | 0         | 7.86                              | 7.87                                 | 7.96                               |                        |             |
| 15              | 16QAM      | 1       | 0         | 7.96                              | 7.96                                 | 7.97                               |                        |             |
| 15              | 16QAM      | 1       | 37        | 7.87                              | 7.94                                 | 7.92                               | 9                      | 0           |
| 15              | 16QAM      | 1       | 74        | 7.97                              | 7.80                                 | 7.97                               |                        |             |
| 15              | 16QAM      | 36      | 0         | 7.98                              | 7.93                                 | 7.90                               |                        |             |
| 15              | 16QAM      | 36      | 20        | 7.98                              | 7.98                                 | 7.95                               | 9                      | 0           |
| 15              | 16QAM      | 36      | 39        | 7.87                              | 7.90                                 | 7.93                               |                        |             |
| 15              | 16QAM      | 75      | 0         | 7.88                              | 7.94                                 | 7.94                               |                        |             |
| 15              | 64QAM      | 1       | 0         | 7.91                              | 7.91                                 | 7.96                               |                        |             |
| 15              | 64QAM      | 1       | 37        | 7.95                              | 7.85                                 | 7.92                               | 9                      | 0           |
| 15              | 64QAM      | 1       | 74        | 7.88                              | 7.87                                 | 7.95                               |                        |             |
| 15              | 64QAM      | 36      | 0         | 7.98                              | 7.94                                 | 7.90                               |                        |             |
| 15              | 64QAM      | 36      | 20        | 7.90                              | 7.97                                 | 7.97                               | 9                      | 0           |
| 15              | 64QAM      | 36      | 39        | 7.96                              | 7.92                                 | 7.89                               |                        |             |
| 15              | 64QAM      | 75      | 0         | 7.98                              | 7.98                                 | 7.91                               |                        |             |
| 15              | 256QAM     | 1       | 0         | 7.95                              | 7.95                                 | 7.87                               |                        |             |
| 15              | 256QAM     | 1       | 37        | 7.94                              | 7.88                                 | 7.87                               | 9                      | 0           |
| 15              | 256QAM     | 1       | 74        | 7.80                              | 7.88                                 | 7.91                               |                        |             |
| 15              | 256QAM     | 36      | 0         | 7.95                              | 7.94                                 | 7.87                               |                        |             |
| 15              | 256QAM     | 36      | 20        | 7.94                              | 7.92                                 | 7.92                               | 9                      | 0           |
| 15              | 256QAM     | 36      | 39        | 7.86                              | 7.95                                 | 7.98                               |                        |             |
| 15              | 256QAM     | 75      | 0         | 7.89                              | 7.96                                 | 7.91                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 10              | QPSK       | 1       | 0         | 20775                             | 21100                                | 21425                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 25        | 7.92                              | 7.88                                 | 7.90                               | 9                      | 0           |
| 10              | QPSK       | 1       | 49        | 7.98                              | 7.95                                 | 7.92                               |                        |             |
| 10              | QPSK       | 25      | 0         | 7.90                              | 7.89                                 | 7.88                               |                        |             |
| 10              | QPSK       | 25      | 12        | 7.97                              | 7.94                                 | 7.96                               | 9                      | 0           |
| 10              | QPSK       | 25      | 25        | 7.95                              | 7.88                                 | 7.96                               |                        |             |
| 10              | QPSK       | 50      | 0         | 7.92                              | 7.96                                 | 7.92                               |                        |             |
| 10              | 16QAM      | 1       | 0         | 7.94                              | 7.85                                 | 7.91                               |                        |             |
| 10              | 16QAM      | 1       | 25        | 7.89                              | 7.91                                 | 7.98                               | 9                      | 0           |
| 10              | 16QAM      | 1       | 49        | 7.85                              | 7.98                                 | 7.92                               |                        |             |
| 10              | 16QAM      | 25      | 0         | 7.90                              | 7.88                                 | 7.85                               |                        |             |
| 10              | 16QAM      | 25      | 12        | 7.89                              | 7.88                                 | 7.92                               | 9                      | 0           |
| 10              | 16QAM      | 25      | 25        | 7.85                              | 7.87                                 | 7.95                               |                        |             |
| 10              | 16QAM      | 50      | 0         | 7.97                              | 7.88                                 | 7.85                               |                        |             |
| 10              | 64QAM      | 1       | 0         | 7.87                              | 7.91                                 | 7.89                               |                        |             |
| 10              | 64QAM      | 1       | 25        | 7.95                              | 7.97                                 | 7.93                               | 9                      | 0           |
| 10              | 64QAM      | 1       | 49        | 7.93                              | 7.95                                 | 7.89                               |                        |             |
| 10              | 64QAM      | 25      | 0         | 7.91                              | 7.85                                 | 7.93                               |                        |             |
| 10              | 64QAM      | 25      | 12        | 7.96                              | 7.89                                 | 7.91                               | 9                      | 0           |
| 10              | 64QAM      | 25      | 25        | 7.89                              | 7.87                                 | 7.98                               |                        |             |
| 10              | 64QAM      | 50      | 0         | 7.95                              | 7.85                                 | 7.94                               |                        |             |
| 10              | 256QAM     | 1       | 0         | 7.94                              | 7.85                                 | 7.97                               |                        |             |
| 10              | 256QAM     | 1       | 25        | 7.92                              | 7.96                                 | 7.96                               | 9                      | 0           |
| 10              | 256QAM     | 1       | 49        | 7.94                              | 7.97                                 | 7.97                               |                        |             |
| 10              | 256QAM     | 25      | 0         | 7.86                              | 7.88                                 | 7.88                               |                        |             |
| 10              | 256QAM     | 25      | 12        | 7.98                              | 7.94                                 | 7.93                               | 9                      | 0           |
| 10              | 256QAM     | 25      | 25        | 7.87                              | 7.97                                 | 7.95                               |                        |             |
| 10              | 256QAM     | 50      | 0         | 7.87                              | 7.87                                 | 7.95                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 5               | QPSK       | 1       | 0         | 20925                             | 20935                                | 20975                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0         | 7.88                              | 7.91                                 | 7.95                               | 9                      | 0           |
| 5               | QPSK       | 1       | 8         | 7.86                              | 7.95                                 | 7.86                               |                        |             |
| 5               | QPSK       | 1       | 24        | 7.94                              | 7.95                                 | 7.87                               |                        |             |
| 5               | QPSK       | 12      | 0         | 7.86                              | 7.88                                 | 7.90                               |                        |             |
| 5               | QPSK       | 12      | 6         | 7.85                              | 7.89                                 | 7.96                               | 9                      | 0           |
| 5               | QPSK       | 12      | 13        | 7.89                              | 7.90                                 | 7.92                               |                        |             |
| 5               | QPSK       | 25      | 0         | 7.92                              | 7.87                                 | 7.85                               |                        |             |
| 5               | 16QAM      | 1       | 0         | 7.89                              | 7.98                                 | 7.90                               |                        |             |
| 5               | 16QAM      | 1       | 12        | 7.89                              | 7.90                                 | 7.92                               | 9                      | 0           |
| 5               | 16QAM      | 1       | 24        | 7.90                              | 7.97                                 | 7.91                               |                        |             |
| 5               | 16QAM      | 12      | 0         | 7.85                              | 7.95                                 | 7.86                               |                        |             |
| 5               | 16QAM      | 12      | 7         | 7.94                              | 7.94                                 | 7.88                               | 9                      | 0           |
| 5               | 16QAM      | 12      | 13        | 7.92                              | 7.94                                 | 7.90                               |                        |             |
| 5               | 16QAM      | 25      | 0         | 7.95                              | 7.89                                 | 7.95                               |                        |             |
| 5               | 64QAM      | 1       | 0         | 7.95                              | 7.86                                 | 7.90                               |                        |             |
| 5               | 64QAM      | 1       | 12        | 7.86                              | 7.94                                 | 7.87                               | 9                      | 0           |
| 5               | 64QAM      | 1       | 24        | 7.90                              | 7.95                                 | 7.85                               |                        |             |
| 5               | 64QAM      | 12      | 0         | 7.89                              | 7.97                                 | 7.93                               |                        |             |
| 5               | 64QAM      | 12      | 7         | 7.97                              | 7.86                                 | 7.89                               | 9                      | 0           |
| 5               | 64QAM      | 12      | 13        | 7.93                              | 7.85                                 | 7.97                               |                        |             |
| 5               | 64QAM      | 25      | 0         | 7.87                              | 7.98                                 | 7.91                               |                        |             |
| 5               | 256QAM     | 1       | 0         | 7.89                              | 7.86                                 | 7.92                               |                        |             |
| 5               | 256QAM     | 1       | 12        | 7.92                              | 7.85                                 | 7.95                               | 9                      | 0           |
| 5               | 256QAM     | 1       | 24        | 7.93                              | 7.88                                 | 7.98                               |                        |             |
| 5               | 256QAM     | 12      | 0         | 7.96                              | 7.97                                 | 7.95                               |                        |             |
| 5               | 256QAM     | 12      | 7         | 7.87                              | 7.91                                 | 7.92                               | 9                      | 0           |
| 5               | 256QAM     | 12      | 13        | 7.85                              | 7.88                                 | 7.93                               |                        |             |
| 5               | 256QAM     | 25      | 0         | 7.95                              | 7.95                                 | 7.98                               |                        |             |

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| BW [MHz]                   | Modulation | Channel<br>Frequency (MHz) | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq.<br>17200 | Power<br>Middle<br>Ch. / Freq.<br>17372 | Power<br>High<br>Ch. / Freq.<br>17572 | Tune-up limit<br>(dBm) | MPR<br>(dB)            |             |
|----------------------------|------------|----------------------------|---------|-----------|--------------------------------------|-----------------------------------------|---------------------------------------|------------------------|------------------------|-------------|
| 20                         | QPSK       | 1                          | 0       | 23.13     | 23.13                                | 23.13                                   | 22.3.2                                |                        |                        |             |
| 20                         | QPSK       | 1                          | 49      | 23.58     | 23.60                                | 23.56                                   | 24.5                                  | 0                      |                        |             |
| 20                         | QPSK       | 1                          | 99      | 23.52     | 23.57                                | 23.54                                   |                                       |                        |                        |             |
| 20                         | QPSK       | 50                         | 0       | 23.58     | 23.51                                | 23.07                                   |                                       |                        |                        |             |
| 20                         | QPSK       | 50                         | 24      | 23.02     | 22.98                                | 22.96                                   | 24                                    | 0.5                    |                        |             |
| 20                         | QPSK       | 50                         | 50      | 22.92     | 23.06                                | 23.00                                   |                                       |                        |                        |             |
| 20                         | QPSK       | 100                        | 0       | 23.05     | 23.08                                | 23.03                                   |                                       |                        |                        |             |
| 20                         | 16QAM      | 1                          | 0       | 22.97     | 23.05                                | 22.93                                   |                                       |                        |                        |             |
| 20                         | 16QAM      | 1                          | 49      | 23.01     | 23.06                                | 22.97                                   | 24                                    | 0.5                    |                        |             |
| 20                         | 16QAM      | 1                          | 99      | 22.96     | 22.95                                | 22.91                                   |                                       |                        |                        |             |
| 20                         | 16QAM      | 50                         | 0       | 22.03     | 22.00                                | 21.92                                   |                                       |                        |                        |             |
| 20                         | 16QAM      | 50                         | 24      | 21.94     | 22.04                                | 22.01                                   | 23                                    | 1.5                    |                        |             |
| 20                         | 16QAM      | 50                         | 50      | 22.01     | 22.04                                | 21.95                                   |                                       |                        |                        |             |
| 20                         | 16QAM      | 100                        | 0       | 21.95     | 22.03                                | 21.97                                   |                                       |                        |                        |             |
| 20                         | 64QAM      | 1                          | 0       | 21.99     | 22.06                                | 21.97                                   |                                       |                        |                        |             |
| 20                         | 64QAM      | 1                          | 49      | 21.99     | 22.00                                | 22.01                                   | 23                                    | 1.5                    |                        |             |
| 20                         | 64QAM      | 1                          | 99      | 21.95     | 22.06                                | 21.93                                   |                                       |                        |                        |             |
| 20                         | 64QAM      | 50                         | 0       | 21.00     | 20.99                                | 20.97                                   |                                       |                        |                        |             |
| 20                         | 64QAM      | 50                         | 24      | 21.00     | 21.06                                | 20.94                                   | 22                                    | 2.5                    |                        |             |
| 20                         | 64QAM      | 50                         | 50      | 20.97     | 20.99                                | 20.94                                   |                                       |                        |                        |             |
| 20                         | 64QAM      | 100                        | 0       | 20.95     | 20.96                                | 21.01                                   |                                       |                        |                        |             |
| 20                         | 256QAM     | 1                          | 0       | 18.93     | 18.97                                | 18.95                                   |                                       |                        |                        |             |
| 20                         | 256QAM     | 1                          | 49      | 19.01     | 18.96                                | 18.96                                   | 20                                    | 4.5                    |                        |             |
| 20                         | 256QAM     | 1                          | 99      | 19.02     | 18.96                                | 18.91                                   |                                       |                        |                        |             |
| 20                         | 256QAM     | 50                         | 0       | 18.97     | 19.01                                | 18.94                                   |                                       |                        |                        |             |
| 20                         | 256QAM     | 50                         | 24      | 19.03     | 18.95                                | 18.95                                   | 20                                    | 4.5                    |                        |             |
| 20                         | 256QAM     | 50                         | 50      | 18.96     | 19.05                                | 18.99                                   |                                       |                        |                        |             |
| 20                         | 256QAM     | 100                        | 0       | 18.98     | 19.00                                | 19.00                                   |                                       |                        |                        |             |
| Channel<br>Frequency (MHz) |            |                            |         |           |                                      |                                         |                                       |                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15                         | QPSK       | 1                          | 0       | 1711.5    | 1732.2                               | 1759.7                                  | 24.5                                  | 0                      |                        |             |
| 15                         | QPSK       | 1                          | 37      | 23.46     | 23.46                                | 23.51                                   |                                       |                        |                        |             |
| 15                         | QPSK       | 1                          | 74      | 23.39     | 23.52                                | 23.46                                   |                                       |                        |                        |             |
| 15                         | QPSK       | 36                         | 0       | 22.94     | 23.05                                | 23.01                                   |                                       |                        |                        |             |
| 15                         | QPSK       | 36                         | 20      | 22.92     | 22.91                                | 22.83                                   | 24                                    | 0.5                    |                        |             |
| 15                         | QPSK       | 36                         | 39      | 22.84     | 22.97                                | 22.87                                   |                                       |                        |                        |             |
| 15                         | QPSK       | 75                         | 0       | 22.96     | 22.99                                | 22.97                                   |                                       |                        |                        |             |
| 15                         | 16QAM      | 1                          | 0       | 22.86     | 22.93                                | 22.80                                   |                                       |                        |                        |             |
| 15                         | 16QAM      | 1                          | 37      | 22.95     | 22.96                                | 22.92                                   | 24                                    | 0.5                    |                        |             |
| 15                         | 16QAM      | 1                          | 74      | 22.80     | 22.98                                | 22.78                                   |                                       |                        |                        |             |
| 15                         | 16QAM      | 36                         | 0       | 21.93     | 21.88                                | 21.81                                   |                                       |                        |                        |             |
| 15                         | 16QAM      | 36                         | 20      | 21.80     | 21.89                                | 21.91                                   | 23                                    | 1.5                    |                        |             |
| 15                         | 16QAM      | 36                         | 39      | 21.96     | 21.99                                | 21.86                                   |                                       |                        |                        |             |
| 15                         | 16QAM      | 75                         | 0       | 21.85     | 21.87                                | 21.90                                   |                                       |                        |                        |             |
| 15                         | 64QAM      | 1                          | 0       | 21.84     | 22.01                                | 21.90                                   |                                       |                        |                        |             |
| 15                         | 64QAM      | 1                          | 37      | 21.88     | 21.84                                | 21.86                                   | 23                                    | 1.5                    |                        |             |
| 15                         | 64QAM      | 1                          | 74      | 21.80     | 21.99                                | 21.85                                   |                                       |                        |                        |             |
| 15                         | 64QAM      | 36                         | 0       | 20.99     | 20.98                                | 20.89                                   |                                       |                        |                        |             |
| 15                         | 64QAM      | 36                         | 20      | 20.84     | 21.01                                | 20.79                                   | 22                                    | 2.5                    |                        |             |
| 15                         | 64QAM      | 36                         | 39      | 20.96     | 20.97                                | 20.86                                   |                                       |                        |                        |             |
| 15                         | 64QAM      | 75                         | 0       | 20.85     | 20.88                                | 20.84                                   |                                       |                        |                        |             |
| 15                         | 256QAM     | 1                          | 0       | 18.87     | 18.86                                | 18.87                                   |                                       |                        |                        |             |
| 15                         | 256QAM     | 1                          | 49      | 18.87     | 18.87                                | 18.86                                   | 20                                    | 4.5                    |                        |             |
| 15                         | 256QAM     | 1                          | 99      | 18.88     | 18.85                                | 18.82                                   |                                       |                        |                        |             |
| 15                         | 256QAM     | 50                         | 0       | 18.83     | 18.82                                | 18.84                                   |                                       |                        |                        |             |
| 15                         | 256QAM     | 50                         | 24      | 18.89     | 18.89                                | 18.89                                   | 20                                    | 4.5                    |                        |             |
| 15                         | 256QAM     | 50                         | 39      | 18.98     | 18.85                                | 18.86                                   |                                       |                        |                        |             |
| 15                         | 256QAM     | 75                         | 0       | 18.87     | 18.86                                | 18.85                                   |                                       |                        |                        |             |
| 15                         | 256QAM     | 75                         | 0       | 18.89     | 18.80                                | 18.94                                   |                                       |                        |                        |             |
| Channel<br>Frequency (MHz) |            |                            |         |           |                                      |                                         |                                       |                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10                         | QPSK       | 1                          | 0       | 1715      | 1745                                 | 1776                                    | 24.5                                  | 0                      |                        |             |
| 10                         | QPSK       | 1                          | 37      | 23.28     | 23.25                                | 23.20                                   |                                       |                        |                        |             |
| 10                         | QPSK       | 1                          | 74      | 23.45     | 23.32                                | 23.47                                   |                                       |                        |                        |             |
| 10                         | QPSK       | 1                          | 49      | 23.38     | 23.48                                | 23.42                                   |                                       |                        |                        |             |
| 10                         | QPSK       | 25                         | 0       | 23.01     | 22.95                                | 22.98                                   | 24                                    | 0.5                    |                        |             |
| 10                         | QPSK       | 25                         | 12      | 22.94     | 22.90                                | 22.87                                   |                                       |                        |                        |             |
| 10                         | QPSK       | 25                         | 25      | 22.81     | 22.95                                | 22.85                                   |                                       |                        |                        |             |
| 10                         | QPSK       | 50                         | 0       | 22.99     | 23.01                                | 22.87                                   |                                       |                        |                        |             |
| 10                         | 16QAM      | 1                          | 1       | 22.91     | 23.00                                | 22.82                                   | 24                                    | 0.5                    |                        |             |
| 10                         | 16QAM      | 1                          | 25      | 22.83     | 22.94                                | 22.83                                   |                                       |                        |                        |             |
| 10                         | 16QAM      | 1                          | 49      | 22.67     | 22.82                                | 22.77                                   | 23                                    | 1.5                    |                        |             |
| 10                         | 16QAM      | 25                         | 0       | 21.96     | 21.86                                | 21.77                                   |                                       |                        |                        |             |
| 10                         | 16QAM      | 25                         | 12      | 21.83     | 21.95                                | 21.85                                   |                                       |                        |                        |             |
| 10                         | 16QAM      | 25                         | 25      | 21.84     | 21.69                                | 21.79                                   | 23                                    | 1.5                    |                        |             |
| 10                         | 16QAM      | 50                         | 0       | 21.87     | 21.96                                | 21.81                                   |                                       |                        |                        |             |
| 10                         | 64QAM      | 1                          | 0       | 21.82     | 21.95                                | 21.85                                   |                                       |                        |                        |             |
| 10                         | 64QAM      | 25                         | 0       | 21.81     | 21.84                                | 21.84                                   | 23                                    | 1.5                    |                        |             |
| 10                         | 64QAM      | 1                          | 49      | 21.84     | 22.01                                | 21.82                                   |                                       |                        |                        |             |
| 10                         | 64QAM      | 25                         | 0       | 20.88     | 20.94                                | 20.84                                   |                                       |                        |                        |             |
| 10                         | 64QAM      | 25                         | 12      | 20.82     | 20.87                                | 20.86                                   | 22                                    | 2.5                    |                        |             |
| 10                         | 64QAM      | 25                         | 25      | 20.81     | 20.88                                | 20.83                                   |                                       |                        |                        |             |
| 10                         | 64QAM      | 50                         | 0       | 20.86     | 20.88                                | 20.88                                   |                                       |                        |                        |             |
| 10                         | 256QAM     | 1                          | 18.84   | 18.85     | 18.85                                | 18.84                                   | 20                                    | 4.5                    |                        |             |
| 10                         | 256QAM     | 1                          | 25      | 18.94     | 18.85                                | 18.83                                   |                                       |                        |                        |             |
| 10                         | 256QAM     | 1                          | 49      | 18.87     | 18.91                                | 18.75                                   |                                       |                        |                        |             |
| 10                         | 256QAM     | 25                         | 0       | 18.85     | 18.84                                | 18.78                                   |                                       |                        |                        |             |
| 10                         | 256QAM     | 25                         | 12      | 18.95     | 18.85                                | 18.85                                   | 20                                    | 4.5                    |                        |             |
| 10                         | 256QAM     | 25                         | 25      | 18.80     | 18.97                                | 18.92                                   |                                       |                        |                        |             |
| 10                         | 256QAM     | 50                         | 0       | 18.92     | 18.84                                | 18.87                                   |                                       |                        |                        |             |
| Channel<br>Frequency (MHz) |            |                            |         |           |                                      |                                         |                                       |                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5                          | QPSK       | 1                          | 0       | 1712.5    | 1742.5                               | 1772.5                                  | 24.5                                  | 0                      |                        |             |
| 5                          | QPSK       | 1                          | 12      | 23.43     | 23.43                                | 23.49                                   |                                       |                        |                        |             |
| 5                          | QPSK       | 1                          | 24      | 23.37     | 23.48                                | 23.42                                   |                                       |                        |                        |             |
| 5                          | QPSK       | 12                         | 0       | 23.01     | 22.89                                | 23.07                                   | 24                                    | 0.5                    |                        |             |
| 5                          | QPSK       | 12                         | 7       | 22.95     | 22.82                                | 22.91                                   |                                       |                        |                        |             |
| 5                          | QPSK       | 12                         | 13      | 22.77     | 22.92                                | 22.90                                   |                                       |                        |                        |             |
| 5                          | QPSK       | 25                         | 0       | 22.92     | 23.02                                | 22.90                                   | 24                                    | 0.5                    |                        |             |
| 5                          | 16QAM      | 1                          | 12      | 22.88     | 22.95                                | 22.82                                   |                                       |                        |                        |             |
| 5                          | 16QAM      | 1                          | 24      | 22.84     | 22.81                                | 22.81                                   | 24                                    | 0.5                    |                        |             |
| 5                          | 16QAM      | 12                         | 0       | 21.95     | 21.84                                | 21.87                                   |                                       |                        |                        |             |
| 5                          | 16QAM      | 12                         | 7       | 21.89     | 21.83                                | 21.86                                   | 23                                    | 1.5                    |                        |             |
| 5                          | 16QAM      | 12                         | 13      | 21.93     | 21.90                                | 21.83                                   |                                       |                        |                        |             |
| 5                          | 16QAM      | 25                         | 0       | 21.80     | 21.83                                | 21.92                                   |                                       |                        |                        |             |
| 5                          | 64QAM      | 1                          | 1       | 21.87     | 21.85                                | 21.88                                   | 23                                    | 1.5                    |                        |             |
| 5                          | 64QAM      | 1                          | 12      | 21.90     | 21.88                                | 21.96                                   |                                       |                        |                        |             |
| 5                          | 64QAM      | 1                          | 24      | 21.82     | 21.97                                | 21.80                                   | 22                                    | 2.5                    |                        |             |
| 5                          | 64QAM      | 12                         | 0       | 20.84     | 20.88                                | 20.91                                   |                                       |                        |                        |             |
| 5                          | 64QAM      | 12                         | 7       | 20.84     | 20.85                                | 20.80                                   |                                       |                        |                        |             |
| 5                          | 64QAM      | 12                         | 13      | 20.90     | 20.85                                | 20.80                                   | 20                                    | 4.5                    |                        |             |
| 5                          | 64QAM      | 25                         | 0       | 20.79     | 20.80                                | 20.85                                   |                                       |                        |                        |             |
| 5                          | 256QAM     | 1                          | 0       | 18.84     | 18.84                                | 18.93                                   |                                       |                        |                        |             |
| 5                          | 256QAM     | 1                          | 12      | 18.93     | 18.86                                | 18.83                                   | 20                                    | 4.5                    |                        |             |
| 5                          | 256QAM     | 1                          | 18.84   | 18.87     | 18.81                                | 18.81                                   |                                       |                        |                        |             |
| 5                          | 256QAM     | 12                         | 7       | 18.86     | 18.87                                | 18.86                                   |                                       |                        |                        |             |
| 5                          | 256QAM     | 12                         | 13      | 18.92     | 19.00                                | 18.84                                   | 20                                    | 4.5                    |                        |             |
| 5                          | 256QAM     | 25                         | 0       | 18.82     | 18.89                                | 18.94                                   |                                       |                        |                        |             |
| Channel<br>Frequency (MHz) |            |                            |         |           |                                      |                                         |                                       |                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 3                          | QPSK       | 1                          | 0       | 1710.7    | 1745                                 | 1773.3                                  | 24.5                                  | 0                      |                        |             |
| 3                          | QPSK       | 1                          | 8       | 23.53     | 23.47                                | 23.51                                   |                                       |                        |                        |             |
| 3                          | QPSK       | 1                          | 16      | 23.49     | 23.53                                | 23.41                                   |                                       |                        |                        |             |
| 3                          | QPSK       | 8                          | 0       | 22.96     | 23.00                                | 22.96                                   | 24                                    | 0.5                    |                        |             |
| 3                          | QPSK       | 8                          | 4       | 22.84     | 22.89                                | 22.83                                   |                                       |                        |                        |             |
| 3                          | QPSK       | 8                          | 8       | 22.84     | 23.00                                | 22.91                                   |                                       |                        |                        |             |
| 3                          | QPSK       | 15                         | 0       | 22.96     | 23.02                                | 22.94                                   | 24                                    | 0.5                    |                        |             |
| 3                          | 16QAM      | 1                          | 0       | 22.86     | 22.93                                | 22.84                                   |                                       |                        |                        |             |
| 3                          | 16QAM      | 1                          | 14      | 22.82     | 22.82                                | 22.82                                   | 23                                    | 1.5                    |                        |             |
| 3                          | 16QAM      | 1                          | 28      | 22.85     | 22.84                                | 22.77                                   |                                       |                        |                        |             |
| 3                          | 16QAM      | 8                          | 4       | 21.87     | 21.84                                | 21.91                                   |                                       |                        |                        |             |
| 3                          | 16QAM      | 8                          | 8       | 21.84     | 21.98                                | 21.81                                   | 23                                    | 1.5                    |                        |             |
| 3                          | 16QAM      | 8                          | 7       | 21.84     | 21.96                                | 21.88                                   |                                       |                        |                        |             |
| 3                          | 16QAM      | 15                         | 0       | 21.80     | 21.84                                | 21.84                                   | 23                                    | 1.5                    |                        |             |
| 3                          | 64QAM      | 1                          | 0       | 21.85     | 21.90                                | 21.81                                   |                                       |                        |                        |             |
| 3                          | 64QAM      | 1                          | 8       | 21.88     | 21.84                                | 21.85                                   |                                       |                        |                        |             |
| 3                          | 64QAM      | 1                          | 16      | 21.86     | 21.85                                | 21.84                                   | 22                                    | 2.5                    |                        |             |
| 3                          | 64QAM      | 8                          | 0       | 20.91     | 20.88                                | 20.92                                   |                                       |                        |                        |             |
| 3                          | 64QAM      | 8                          | 4       | 20.84     | 20.97                                | 20.81                                   |                                       |                        |                        |             |
| 3                          | 64QAM      | 8                          | 20.83   | 20.83     | 20.85                                | 18.81                                   | 20                                    | 4.5                    |                        |             |
| 3                          | 64QAM      | 15                         | 0       | 20.85     | 20.85                                | 20.92                                   |                                       |                        |                        |             |
| 3                          | 256QAM     | 1                          | 0       | 18.88     | 18.81                                | 18.85                                   |                                       |                        |                        |             |
| 3                          | 256QAM     | 1                          | 18.85   | 18.81     | 18.87                                | 18.85                                   |                                       |                        |                        |             |
| 3                          | 256QAM     | 1                          | 14      | 18.85     | 18.88                                | 18.78                                   | 20                                    | 4.5                    |                        |             |
| 3                          | 256QAM     | 8                          | 0       | 18.89     | 18.91                                | 18.89                                   |                                       |                        |                        |             |
| 3                          | 256QAM     | 8                          | 4       | 18.91     | 18.87                                | 18.87                                   | 20                                    | 4.5                    |                        |             |
| 3                          | 256QAM     | 8                          | 7       | 18.90     | 18.97                                | 18.88                                   |                                       |                        |                        |             |
| 3                          | 256QAM     | 15                         | 0       | 18.83     | 18.84                                | 18.92                                   |                                       |                        |                        |             |
| Channel<br>Frequency (MHz) |            |                            |         |           |                                      |                                         |                                       |                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 1.4                        | QPSK       | 1                          | 0       | 23.53     | 23.47                                | 23.51                                   | 24.5                                  | 0                      |                        |             |
| 1.4                        | QPSK       | 1                          | 3       | 23.49     | 23.53                                | 23.41                                   |                                       |                        |                        |             |
| 1.4                        | QPSK       | 1                          | 5       | 23.47     | 23.50                                | 23.49                                   |                                       |                        |                        |             |
| 1.4                        | QPSK       | 3                          | 0       | 23.48     | 23.45                                | 23.41                                   | 24                                    | 0.5                    |                        |             |
| 1.4                        | QPSK       | 3                          | 3       | 23.49     | 23.48                                | 23.47                                   |                                       |                        |                        |             |
| 1.4                        | QPSK       | 3                          | 6       | 23.44     | 23.44                                | 23.51                                   |                                       |                        |                        |             |
| 1.4                        | 16QAM      | 1                          | 0       | 23.03     | 23.06                                | 22.92                                   | 24                                    | 0.5                    |                        |             |
| 1.4                        | 16QAM      | 1                          | 3       | 22.98     | 23.01                                | 22.91                                   |                                       |                        |                        |             |
| 1.4                        | 16QAM      | 1                          | 23.00   | 23.05     | 23.02                                | 24                                      | 0.5                                   |                        |                        |             |
| 1.4                        | 16QAM      | 3                          | 0       | 22.97     | 22.98                                | 22.91                                   |                                       |                        |                        |             |
| 1.4                        | 16QAM      | 3                          | 1       | 22.92     | 23.03                                | 22.96                                   |                                       |                        |                        |             |
| 1.4                        | 16QAM      | 3                          | 22.96   | 22.96     | 22.96                                |                                         |                                       |                        |                        |             |
| 1.4                        | 16QAM      | 6                          | 0       | 21.92     | 21.90                                | 21.83                                   | 23                                    | 1.5                    |                        |             |
| 1.4                        | 64QAM      | 1                          | 0       | 21.96     | 21.94                                | 21.86                                   |                                       |                        |                        |             |
| 1.4                        | 64QAM      | 1                          | 21.99   | 21.85     | 21.76                                | 23                                      | 1.5                                   |                        |                        |             |
| 1.4                        | 64QAM      | 1                          | 5       | 21.87     | 21.95                                | 21.76                                   |                                       |                        |                        |             |
| 1.4                        | 64QAM      | 3                          | 0       |           |                                      |                                         |                                       |                        |                        |             |

# Band 38\_Ant 1

| 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<br>Frequency (MHz) |            |         |           | 2600                        | 2604                           | 2610                         | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 37650                       | 38000                          | 38150                        |                        |             |
| 20                         | QPSK       | 1       | 0         | 23.00                       | 23.02                          | 22.99                        | 24                     | 0           |
| 20                         | QPSK       | 1       | 46        | 22.88                       | 22.87                          | 22.91                        |                        |             |
| 20                         | QPSK       | 1       | 89        | 22.84                       | 22.85                          | 22.84                        |                        |             |
| 20                         | QPSK       | 50      | 0         | 22.48                       | 22.50                          | 22.47                        | 23.5                   | 0.5         |
| 20                         | QPSK       | 50      | 24        | 22.39                       | 22.35                          | 22.38                        |                        |             |
| 20                         | QPSK       | 50      | 50        | 22.35                       | 22.34                          | 22.36                        |                        |             |
| 20                         | QPSK       | 100     | 0         | 22.45                       | 22.47                          | 22.43                        | 23.5                   | 0.5         |
| 20                         | 16QAM      | 1       | 0         | 22.42                       | 22.43                          | 22.38                        |                        |             |
| 20                         | 16QAM      | 1       | 46        | 22.43                       | 22.44                          | 22.32                        |                        |             |
| 20                         | 16QAM      | 1       | 89        | 22.34                       | 22.36                          | 22.39                        |                        |             |
| 20                         | 16QAM      | 50      | 0         | 21.39                       | 21.45                          | 21.41                        |                        |             |
| 20                         | 16QAM      | 50      | 24        | 21.35                       | 21.43                          | 21.34                        |                        |             |
| 20                         | 16QAM      | 50      | 50        | 21.45                       | 21.39                          | 21.36                        | 22.5                   | 1.5         |
| 20                         | 16QAM      | 100     | 0         | 21.36                       | 21.36                          | 21.41                        |                        |             |
| 20                         | 16QAM      | 100     | 0         | 21.44                       | 21.44                          | 21.40                        |                        |             |
| 20                         | 64QAM      | 1       | 46        | 21.35                       | 21.41                          | 21.34                        | 22.5                   | 1.5         |
| 20                         | 64QAM      | 1       | 89        | 21.40                       | 21.39                          | 21.35                        |                        |             |
| 20                         | 64QAM      | 50      | 0         | 20.44                       | 20.41                          | 20.39                        |                        |             |
| 20                         | 64QAM      | 50      | 24        | 20.45                       | 20.37                          | 20.37                        | 21.5                   | 2.5         |
| 20                         | 64QAM      | 50      | 50        | 20.40                       | 20.39                          | 20.38                        |                        |             |
| 20                         | 64QAM      | 100     | 0         | 20.40                       | 20.37                          | 20.35                        |                        |             |
| 20                         | 256QAM     | 1       | 0         | 18.35                       | 18.42                          | 18.33                        | 19.5                   | 4.5         |
| 20                         | 256QAM     | 1       | 46        | 18.42                       | 18.39                          | 18.33                        |                        |             |
| 20                         | 256QAM     | 1       | 89        | 18.43                       | 18.47                          | 18.39                        |                        |             |
| 20                         | 256QAM     | 50      | 0         | 18.41                       | 18.38                          | 18.39                        | 19.5                   | 4.5         |
| 20                         | 256QAM     | 50      | 24        | 18.37                       | 18.38                          | 18.39                        |                        |             |
| 20                         | 256QAM     | 50      | 50        | 18.35                       | 18.42                          | 18.37                        |                        |             |
| 20                         | 256QAM     | 100     | 0         | 18.39                       | 18.41                          | 18.43                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           | 37650                       | 38000                          | 38175                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 2577.5                      | 2595                           | 2612.5                       |                        |             |
| 15                         | QPSK       | 1       | 0         | 22.86                       | 22.90                          | 22.91                        | 24                     | 0           |
| 15                         | QPSK       | 1       | 37        | 22.78                       | 22.73                          | 22.85                        |                        |             |
| 15                         | QPSK       | 1       | 74        | 22.75                       | 22.82                          | 22.73                        |                        |             |
| 15                         | QPSK       | 36      | 0         | 22.42                       | 22.35                          | 22.37                        | 23.5                   | 0.5         |
| 15                         | QPSK       | 36      | 20        | 22.34                       | 22.29                          | 22.31                        |                        |             |
| 15                         | QPSK       | 36      | 39        | 22.26                       | 22.25                          | 22.29                        |                        |             |
| 15                         | QPSK       | 75      | 0         | 22.40                       | 22.34                          | 22.38                        | 23.5                   | 0.5         |
| 15                         | 16QAM      | 1       | 1         | 22.34                       | 22.38                          | 22.31                        |                        |             |
| 15                         | 16QAM      | 1       | 37        | 22.29                       | 22.35                          | 22.18                        |                        |             |
| 15                         | 16QAM      | 1       | 74        | 22.19                       | 22.25                          | 22.23                        | 22.5                   | 1.5         |
| 15                         | 16QAM      | 36      | 0         | 21.34                       | 21.31                          | 21.51                        |                        |             |
| 15                         | 16QAM      | 36      | 20        | 21.27                       | 21.27                          | 21.27                        |                        |             |
| 15                         | 16QAM      | 36      | 39        | 21.32                       | 21.25                          | 21.25                        | 22.5                   | 1.5         |
| 15                         | 16QAM      | 75      | 0         | 21.30                       | 21.31                          | 21.38                        |                        |             |
| 15                         | 64QAM      | 1       | 0         | 21.30                       | 21.30                          | 21.29                        |                        |             |
| 15                         | 64QAM      | 1       | 37        | 21.23                       | 21.29                          | 21.24                        | 21.5                   | 2.5         |
| 15                         | 64QAM      | 1       | 74        | 21.28                       | 21.30                          | 21.25                        |                        |             |
| 15                         | 64QAM      | 36      | 0         | 20.29                       | 20.35                          | 20.24                        |                        |             |
| 15                         | 64QAM      | 36      | 20        | 20.37                       | 20.28                          | 20.27                        | 21.5                   | 2.5         |
| 15                         | 64QAM      | 36      | 39        | 20.35                       | 20.33                          | 20.26                        |                        |             |
| 15                         | 64QAM      | 75      | 0         | 20.34                       | 20.26                          | 20.21                        |                        |             |
| 15                         | 256QAM     | 1       | 0         | 18.24                       | 18.29                          | 18.28                        | 19.5                   | 4.5         |
| 15                         | 256QAM     | 1       | 37        | 18.35                       | 18.23                          | 18.18                        |                        |             |
| 15                         | 256QAM     | 1       | 74        | 18.35                       | 18.37                          | 18.28                        |                        |             |
| 15                         | 256QAM     | 36      | 0         | 18.28                       | 18.30                          | 18.31                        | 19.5                   | 4.5         |
| 15                         | 256QAM     | 36      | 20        | 18.32                       | 18.33                          | 18.28                        |                        |             |
| 15                         | 256QAM     | 36      | 39        | 18.26                       | 18.30                          | 18.28                        |                        |             |
| 15                         | 256QAM     | 75      | 0         | 18.34                       | 18.35                          | 18.37                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           | 37650                       | 38000                          | 38200                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 2575                        | 2595                           | 2615                         |                        |             |
| 10                         | QPSK       | 1       | 0         | 22.83                       | 22.86                          | 22.91                        | 24                     | 0           |
| 10                         | QPSK       | 1       | 25        | 22.80                       | 22.79                          | 22.77                        |                        |             |
| 10                         | QPSK       | 1       | 49        | 22.70                       | 22.83                          | 22.69                        |                        |             |
| 10                         | QPSK       | 25      | 0         | 22.40                       | 22.36                          | 22.33                        | 23.5                   | 0.5         |
| 10                         | QPSK       | 25      | 12        | 22.26                       | 22.26                          | 22.23                        |                        |             |
| 10                         | QPSK       | 25      | 25        | 22.22                       | 22.29                          | 22.27                        |                        |             |
| 10                         | QPSK       | 50      | 0         | 22.30                       | 22.35                          | 22.33                        | 23.5                   | 0.5         |
| 10                         | 16QAM      | 1       | 0         | 22.32                       | 22.31                          | 22.31                        |                        |             |
| 10                         | 16QAM      | 1       | 25        | 22.27                       | 22.31                          | 22.27                        |                        |             |
| 10                         | 16QAM      | 1       | 49        | 22.21                       | 22.22                          | 22.27                        | 22.5                   | 1.5         |
| 10                         | 16QAM      | 25      | 0         | 21.27                       | 21.34                          | 21.38                        |                        |             |
| 10                         | 16QAM      | 25      | 12        | 21.26                       | 21.33                          | 21.25                        |                        |             |
| 10                         | 16QAM      | 25      | 25        | 21.33                       | 21.27                          | 21.30                        | 22.5                   | 1.5         |
| 10                         | 16QAM      | 50      | 0         | 21.29                       | 21.26                          | 21.36                        |                        |             |
| 10                         | 64QAM      | 1       | 0         | 21.33                       | 21.36                          | 21.28                        |                        |             |
| 10                         | 64QAM      | 1       | 25        | 21.20                       | 21.27                          | 21.22                        | 21.5                   | 2.5         |
| 10                         | 64QAM      | 25      | 12        | 20.30                       | 20.29                          | 20.27                        |                        |             |
| 10                         | 64QAM      | 25      | 25        | 20.30                       | 20.31                          | 20.30                        |                        |             |
| 10                         | 64QAM      | 50      | 0         | 20.25                       | 20.31                          | 20.21                        | 19.5                   | 4.5         |
| 10                         | 256QAM     | 1       | 0         | 18.16                       | 18.29                          | 18.21                        |                        |             |
| 10                         | 256QAM     | 1       | 25        | 18.27                       | 18.24                          | 18.26                        |                        |             |
| 10                         | 256QAM     | 1       | 49        | 18.29                       | 18.38                          | 18.23                        | 19.5                   | 4.5         |
| 10                         | 256QAM     | 25      | 0         | 18.32                       | 18.33                          | 18.28                        |                        |             |
| 10                         | 256QAM     | 25      | 12        | 18.30                       | 18.25                          | 18.27                        |                        |             |
| 10                         | 256QAM     | 25      | 25        | 18.26                       | 18.29                          | 18.23                        | 19.5                   | 4.5         |
| 10                         | 256QAM     | 50      | 0         | 18.26                       | 18.27                          | 18.32                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 3777.5                      | 38000                          | 38225                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 2577.5                      | 2595                           | 2617.5                       |                        |             |
| 5                          | QPSK       | 1       | 0         | 22.82                       | 22.83                          | 22.88                        | 24                     | 0           |
| 5                          | QPSK       | 1       | 12        | 22.82                       | 22.82                          | 22.75                        |                        |             |
| 5                          | QPSK       | 1       | 24        | 22.77                       | 22.81                          | 22.76                        |                        |             |
| 5                          | QPSK       | 12      | 0         | 22.40                       | 22.42                          | 22.42                        | 23.5                   | 0.5         |
| 5                          | QPSK       | 12      | 7         | 22.34                       | 22.25                          | 22.29                        |                        |             |
| 5                          | QPSK       | 12      | 13        | 22.29                       | 22.21                          | 22.27                        |                        |             |
| 5                          | QPSK       | 25      | 0         | 22.29                       | 22.40                          | 22.38                        | 23.5                   | 0.5         |
| 5                          | 16QAM      | 1       | 0         | 22.37                       | 22.28                          | 22.30                        |                        |             |
| 5                          | 16QAM      | 1       | 12        | 22.27                       | 22.31                          | 22.16                        |                        |             |
| 5                          | 16QAM      | 1       | 24        | 22.20                       | 22.29                          | 22.27                        | 22.5                   | 1.5         |
| 5                          | 16QAM      | 12      | 0         | 21.32                       | 21.37                          | 21.30                        |                        |             |
| 5                          | 16QAM      | 12      | 7         | 21.29                       | 21.31                          | 21.21                        |                        |             |
| 5                          | 16QAM      | 12      | 13        | 21.34                       | 21.31                          | 21.27                        | 22.5                   | 1.5         |
| 5                          | 16QAM      | 25      | 0         | 21.31                       | 21.29                          | 21.36                        |                        |             |
| 5                          | 64QAM      | 1       | 0         | 21.28                       | 21.28                          | 21.30                        |                        |             |
| 5                          | 64QAM      | 1       | 12        | 21.29                       | 21.33                          | 21.25                        | 21.5                   | 2.5         |
| 5                          | 64QAM      | 1       | 24        | 21.33                       | 21.33                          | 21.30                        |                        |             |
| 5                          | 64QAM      | 12      | 0         | 20.30                       | 20.27                          | 20.27                        |                        |             |
| 5                          | 64QAM      | 12      | 7         | 20.34                       | 20.28                          | 20.27                        | 19.5                   | 4.5         |
| 5                          | 64QAM      | 25      | 0         | 20.25                       | 20.22                          | 20.24                        |                        |             |
| 5                          | 256QAM     | 1       | 0         | 18.25                       | 18.33                          | 18.18                        |                        |             |
| 5                          | 256QAM     | 1       | 12        | 18.36                       | 18.33                          | 18.22                        | 19.5                   | 4.5         |
| 5                          | 256QAM     | 1       | 24        | 18.28                       | 18.33                          | 18.29                        |                        |             |
| 5                          | 256QAM     | 12      | 0         | 18.26                       | 18.23                          | 18.23                        |                        |             |
| 5                          | 256QAM     | 12      | 7         | 18.32                       | 18.24                          | 18.23                        | 19.5                   | 4.5         |
| 5                          | 256QAM     | 12      | 13        | 18.26                       | 18.26                          | 18.28                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.23                       | 18.25                          | 18.32                        |                        |             |

## Reduced ENDC Power for State 1

Band 4\_Ant 1

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power Low<br>Ch. Freq. | Power Middle<br>Ch. Freq. | Power High<br>Ch. Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|---------|-----------|------------------------|---------------------------|-------------------------|------------------------|-------------|
| Channel         |            |         |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |
| 20              | QPSK       | 1       | 1       | 0         | 1720                   | 1724.5                    | 1745                    | 24.5                   | 0           |
| 20              | QPSK       | 1       | 1       | 49        | 23.37                  | 23.45                     | 23.32                   |                        |             |
| 20              | QPSK       | 1       | 1       | 99        | 23.38                  | 23.39                     | 23.33                   |                        |             |
| 20              | QPSK       | 50      | 0       | 23.98     | 23.01                  | 22.95                     | 23.05                   |                        |             |
| 20              | QPSK       | 50      | 24      | 0         | 22.93                  | 22.94                     | 22.87                   | 24                     | 0.5         |
| 20              | QPSK       | 50      | 50      | 0         | 22.87                  | 22.89                     | 22.82                   |                        |             |
| 20              | QPSK       | 100     | 0       | 23.84     | 22.85                  | 22.80                     | 22.90                   |                        |             |
| 20              | 16QAM      | 1       | 0       | 0         | 22.85                  | 22.91                     | 22.87                   |                        |             |
| 20              | 16QAM      | 1       | 49      | 0         | 22.87                  | 22.95                     | 22.86                   | 24                     | 0.5         |
| 20              | 16QAM      | 1       | 99      | 0         | 22.93                  | 22.88                     | 22.84                   |                        |             |
| 20              | 16QAM      | 50      | 0       | 0         | 21.85                  | 21.94                     | 21.91                   |                        |             |
| 20              | 16QAM      | 50      | 24      | 0         | 21.86                  | 21.90                     | 21.89                   |                        |             |
| 20              | 16QAM      | 50      | 50      | 0         | 21.88                  | 21.95                     | 21.93                   | 23                     | 1.5         |
| 20              | 16QAM      | 100     | 0       | 0         | 21.83                  | 21.85                     | 21.86                   |                        |             |
| 20              | 64QAM      | 1       | 0       | 0         | 21.86                  | 21.92                     | 21.84                   |                        |             |
| 20              | 64QAM      | 1       | 49      | 0         | 21.86                  | 21.91                     | 21.89                   |                        |             |
| 20              | 64QAM      | 1       | 99      | 0         | 21.85                  | 21.95                     | 21.84                   | 23                     | 1.5         |
| 20              | 64QAM      | 50      | 0       | 0         | 20.92                  | 20.88                     | 20.91                   |                        |             |
| 20              | 64QAM      | 50      | 24      | 0         | 20.91                  | 20.87                     | 20.93                   |                        |             |
| 20              | 64QAM      | 50      | 50      | 0         | 20.92                  | 20.86                     | 20.91                   |                        |             |
| 20              | 256QAM     | 1       | 0       | 0         | 18.85                  | 18.85                     | 18.90                   | 22                     | 2.5         |
| 20              | 256QAM     | 1       | 49      | 0         | 18.82                  | 18.93                     | 18.86                   |                        |             |
| 20              | 256QAM     | 1       | 99      | 0         | 18.88                  | 18.93                     | 18.87                   |                        |             |
| 20              | 256QAM     | 50      | 0       | 0         | 18.85                  | 18.85                     | 18.90                   |                        |             |
| 20              | 256QAM     | 50      | 24      | 0         | 18.92                  | 18.85                     | 18.85                   | 20                     | 4.5         |
| 20              | 256QAM     | 50      | 50      | 0         | 18.93                  | 18.89                     | 18.89                   |                        |             |
| 20              | 256QAM     | 100     | 0       | 0         | 18.90                  | 18.89                     | 18.88                   |                        |             |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |
| 15              | QPSK       | 1       | 0       | 0         | 20.005                 | 20.175                    | 20.355                  | 24.5                   | 0           |
| 15              | QPSK       | 1       | 37      | 0         | 23.41                  | 23.42                     | 23.39                   |                        |             |
| 15              | QPSK       | 1       | 74      | 0         | 23.22                  | 23.34                     | 23.21                   |                        |             |
| 15              | QPSK       | 36      | 0       | 23.30     | 23.27                  | 23.23                     | 23.23                   |                        |             |
| 15              | QPSK       | 36      | 20      | 0         | 22.93                  | 22.85                     | 22.79                   | 24                     | 0.5         |
| 15              | QPSK       | 36      | 36      | 0         | 22.79                  | 22.84                     | 22.78                   |                        |             |
| 15              | QPSK       | 75      | 0       | 22.74     | 22.79                  | 22.72                     | 22.72                   |                        |             |
| 15              | QPSK       | 75      | 0       | 22.70     | 22.81                  | 22.65                     | 22.65                   |                        |             |
| 15              | 16QAM      | 1       | 0       | 0         | 22.79                  | 22.80                     | 22.77                   | 24                     | 0.5         |
| 15              | 16QAM      | 1       | 37      | 0         | 22.81                  | 22.81                     | 22.70                   |                        |             |
| 15              | 16QAM      | 1       | 74      | 0         | 22.87                  | 22.80                     | 22.71                   |                        |             |
| 15              | 16QAM      | 36      | 0       | 21.72     | 21.83                  | 21.67                     | 21.67                   |                        |             |
| 15              | 16QAM      | 36      | 20      | 0         | 21.74                  | 21.83                     | 21.79                   | 23                     | 1.5         |
| 15              | 16QAM      | 36      | 39      | 0         | 21.72                  | 21.80                     | 21.71                   |                        |             |
| 15              | 16QAM      | 75      | 0       | 21.74     | 21.75                  | 21.80                     | 21.80                   |                        |             |
| 15              | 64QAM      | 1       | 0       | 0         | 21.75                  | 21.77                     | 21.71                   |                        |             |
| 15              | 64QAM      | 1       | 37      | 0         | 21.78                  | 21.77                     | 21.80                   | 23                     | 1.5         |
| 15              | 64QAM      | 1       | 74      | 0         | 21.77                  | 21.84                     | 21.78                   |                        |             |
| 15              | 64QAM      | 36      | 0       | 20.81     | 20.80                  | 20.81                     | 20.81                   |                        |             |
| 15              | 64QAM      | 36      | 20      | 0         | 20.85                  | 20.72                     | 20.72                   |                        |             |
| 15              | 64QAM      | 36      | 39      | 0         | 20.83                  | 20.79                     | 20.82                   | 22                     | 2.5         |
| 15              | 64QAM      | 75      | 0       | 20.77     | 20.75                  | 20.75                     | 20.75                   |                        |             |
| 15              | 256QAM     | 1       | 0       | 0         | 18.71                  | 18.73                     | 18.77                   |                        |             |
| 15              | 256QAM     | 1       | 37      | 0         | 18.69                  | 18.77                     | 18.70                   |                        |             |
| 15              | 256QAM     | 36      | 0       | 0         | 18.73                  | 18.75                     | 18.71                   | 20                     | 4.5         |
| 15              | 256QAM     | 36      | 20      | 0         | 18.79                  | 18.73                     | 18.74                   |                        |             |
| 15              | 256QAM     | 36      | 39      | 0         | 18.87                  | 18.74                     | 18.75                   |                        |             |
| 15              | 256QAM     | 75      | 0       | 0         | 18.80                  | 18.83                     | 18.81                   |                        |             |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |
| 10              | QPSK       | 1       | 0       | 0         | 23.115                 | 23.25                     | 23.50                   | 24.5                   | 0           |
| 10              | QPSK       | 1       | 25      | 0         | 23.27                  | 23.34                     | 23.32                   |                        |             |
| 10              | QPSK       | 1       | 49      | 0         | 23.29                  | 23.34                     | 23.17                   |                        |             |
| 10              | QPSK       | 25      | 0       | 22.93     | 22.87                  | 22.88                     | 22.88                   |                        |             |
| 10              | QPSK       | 25      | 12      | 0         | 22.80                  | 22.72                     | 22.76                   | 24                     | 0.5         |
| 10              | QPSK       | 25      | 25      | 0         | 22.78                  | 22.85                     | 22.72                   |                        |             |
| 10              | QPSK       | 50      | 0       | 0         | 22.75                  | 22.73                     | 22.73                   |                        |             |
| 10              | 16QAM      | 1       | 0       | 0         | 22.71                  | 22.76                     | 22.80                   |                        |             |
| 10              | 16QAM      | 1       | 25      | 0         | 22.81                  | 22.83                     | 22.78                   | 24                     | 0.5         |
| 10              | 16QAM      | 1       | 49      | 0         | 22.83                  | 22.78                     | 22.78                   |                        |             |
| 10              | 16QAM      | 25      | 0       | 21.82     | 21.81                  | 21.89                     | 21.89                   |                        |             |
| 10              | 16QAM      | 25      | 12      | 0         | 21.74                  | 21.79                     | 21.81                   |                        |             |
| 10              | 16QAM      | 25      | 25      | 0         | 21.74                  | 21.84                     | 21.67                   | 23                     | 1.5         |
| 10              | 16QAM      | 50      | 0       | 0         | 21.77                  | 21.79                     | 21.78                   |                        |             |
| 10              | 64QAM      | 1       | 0       | 0         | 21.77                  | 21.88                     | 21.75                   |                        |             |
| 10              | 64QAM      | 1       | 25      | 0         | 21.77                  | 21.83                     | 21.81                   |                        |             |
| 10              | 64QAM      | 1       | 49      | 0         | 21.74                  | 21.82                     | 21.68                   | 23                     | 1.5         |
| 10              | 64QAM      | 25      | 0       | 20.80     | 20.78                  | 20.81                     | 20.81                   |                        |             |
| 10              | 64QAM      | 25      | 12      | 0         | 20.84                  | 20.75                     | 20.77                   |                        |             |
| 10              | 64QAM      | 25      | 25      | 0         | 20.83                  | 20.73                     | 20.76                   |                        |             |
| 10              | 64QAM      | 50      | 0       | 0         | 20.73                  | 20.78                     | 20.86                   | 22                     | 2.5         |
| 10              | 256QAM     | 1       | 0       | 0         | 18.76                  | 18.74                     | 18.82                   |                        |             |
| 10              | 256QAM     | 1       | 25      | 0         | 18.80                  | 18.75                     | 18.75                   |                        |             |
| 10              | 256QAM     | 1       | 49      | 0         | 18.75                  | 18.84                     | 18.78                   |                        |             |
| 10              | 256QAM     | 25      | 0       | 0         | 18.69                  | 18.75                     | 18.79                   |                        |             |
| 10              | 256QAM     | 25      | 12      | 0         | 18.87                  | 18.72                     | 18.76                   | 20                     | 4.5         |
| 10              | 256QAM     | 25      | 25      | 0         | 18.84                  | 18.80                     | 18.84                   |                        |             |
| 10              | 256QAM     | 50      | 0       | 0         | 18.78                  | 18.75                     | 18.77                   |                        |             |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |
| 5               | QPSK       | 1       | 0       | 0         | 23.42                  | 23.35                     | 23.35                   | 24.5                   | 0           |
| 5               | QPSK       | 1       | 12      | 0         | 23.30                  | 23.35                     | 23.35                   |                        |             |
| 5               | QPSK       | 1       | 24      | 0         | 23.25                  | 23.28                     | 23.24                   |                        |             |
| 5               | QPSK       | 12      | 0       | 22.93     | 22.92                  | 22.80                     | 22.80                   |                        |             |
| 5               | QPSK       | 12      | 6       | 0         | 22.78                  | 22.87                     | 22.77                   | 24                     | 0.5         |
| 5               | QPSK       | 12      | 13      | 0         | 22.71                  | 22.81                     | 22.76                   |                        |             |
| 5               | QPSK       | 25      | 0       | 0         | 22.74                  | 22.79                     | 22.70                   |                        |             |
| 5               | 16QAM      | 1       | 0       | 0         | 22.74                  | 22.86                     | 22.76                   |                        |             |
| 5               | 16QAM      | 1       | 12      | 0         | 22.80                  | 22.80                     | 22.81                   | 24                     | 0.5         |
| 5               | 16QAM      | 1       | 24      | 0         | 22.84                  | 22.80                     | 22.73                   |                        |             |
| 5               | 16QAM      | 12      | 0       | 0         | 21.78                  | 21.81                     | 21.69                   |                        |             |
| 5               | 16QAM      | 12      | 7       | 0         | 21.80                  | 21.74                     | 21.80                   |                        |             |
| 5               | 16QAM      | 12      | 13      | 0         | 21.79                  | 21.80                     | 21.69                   | 23                     | 1.5         |
| 5               | 16QAM      | 25      | 0       | 0         | 21.68                  | 21.71                     | 21.67                   |                        |             |
| 5               | 64QAM      | 1       | 0       | 0         | 21.73                  | 21.79                     | 21.78                   |                        |             |
| 5               | 64QAM      | 1       | 12      | 0         | 21.81                  | 21.80                     | 21.76                   |                        |             |
| 5               | 64QAM      | 1       | 24      | 0         | 21.71                  | 21.80                     | 21.77                   | 22                     | 2.5         |
| 5               | 64QAM      | 12      | 0       | 0         | 20.83                  | 20.76                     | 20.79                   |                        |             |
| 5               | 64QAM      | 12      | 6       | 0         | 20.76                  | 20.75                     | 20.73                   |                        |             |
| 5               | 64QAM      | 12      | 13      | 0         | 20.84                  | 20.70                     | 20.85                   |                        |             |
| 5               | 64QAM      | 25      | 0       | 0         | 20.73                  | 20.78                     | 20.77                   | 20                     | 4.5         |
| 5               | 256QAM     | 1       | 0       | 0         | 18.80                  | 18.78                     | 18.76                   |                        |             |
| 5               | 256QAM     | 1       | 12      | 0         | 18.87                  | 18.84                     | 18.73                   |                        |             |
| 5               | 256QAM     | 1       | 24      | 0         | 18.70                  | 18.74                     | 18.80                   |                        |             |
| 5               | 256QAM     | 12      | 7       | 0         | 18.85                  | 18.80                     | 18.80                   |                        |             |
| 5               | 256QAM     | 12      | 13      | 0         | 18.86                  | 18.75                     | 18.75                   | 20                     | 4.5         |
| 5               | 256QAM     | 25      | 0       | 0         | 18.75                  | 18.81                     | 18.82                   |                        |             |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |
| 3               | QPSK       | 1       | 0       | 0         | 23.38                  | 23.41                     | 23.31                   | 24.5                   | 0           |
| 3               | QPSK       | 1       | 8       | 0         | 23.21                  | 23.38                     | 23.17                   |                        |             |
| 3               | QPSK       | 1       | 14      | 0         | 23.25                  | 23.24                     | 23.28                   |                        |             |
| 3               | QPSK       | 8       | 0       | 22.85     | 22.95                  | 22.82                     | 22.82                   |                        |             |
| 3               | QPSK       | 8       | 7       | 0         | 22.74                  | 22.78                     | 22.76                   | 24                     | 0.5         |
| 3               | QPSK       | 8       | 14      | 0         | 22.68                  | 22.75                     | 22.72                   |                        |             |
| 3               | 16QAM      | 1       | 0       | 0         | 22.74                  | 22.76                     | 22.73                   |                        |             |
| 3               | 16QAM      | 1       | 8       | 0         | 22.79                  | 22.80                     | 22.70                   |                        |             |
| 3               | 16QAM      | 1       | 14      | 0         | 22.87                  | 22.79                     | 22.76                   | 24                     | 0.5         |
| 3               | 16QAM      | 8       | 0       | 21.77     | 21.89                  | 21.76                     | 21.76                   |                        |             |
| 3               | 16QAM      | 8       | 7       | 0         | 21.70                  | 21.77                     | 21.75                   |                        |             |
| 3               | 16QAM      | 7       | 0       | 21.75     | 21.80                  | 21.67                     | 21.67                   |                        |             |
| 3               | 16QAM      | 15      | 0       | 0         | 21.78                  | 21.79                     | 21.79                   | 23                     | 1.5         |
| 3               | 64QAM      | 1       | 0       | 0         | 21.74                  | 21.86                     | 21.71                   |                        |             |
| 3               | 64QAM      | 1       | 8       | 0         | 21.79                  | 21.78                     | 21.73                   | 23                     | 1.5         |
| 3               | 64QAM      | 1       | 14      | 0         | 21.75                  | 21.81                     | 21.73                   |                        |             |
| 3               | 64QAM      | 8       | 0       | 0         | 20.76                  | 20.75                     | 20.76                   |                        |             |
| 3               | 64QAM      | 8       | 7       | 0         | 20.85                  | 20.71                     | 20.83                   |                        |             |
| 3               | 64QAM      | 8       | 14      | 0         | 20.77                  | 20.62                     | 20.83                   | 22                     | 2.5         |
| 3               | 256QAM     | 1       | 0       | 0         | 18.69                  | 18.80                     | 18.76                   |                        |             |
| 3               | 256QAM     | 1       | 8       | 0         | 18.68                  | 18.88                     | 18.61                   |                        |             |
| 3               | 256QAM     | 1       | 14      | 0         | 18.77                  | 18.87                     | 18.75                   |                        |             |
| 3               | 256QAM     | 8       | 0       | 0         | 18.76                  | 18.71                     | 18.83                   | 20                     | 4.5         |
| 3               | 256QAM     | 8       | 7       | 0         | 18.83                  | 18.78                     | 18.75                   |                        |             |
| 3               | 256QAM     | 8       | 14      | 0         | 18.80                  | 18.75                     | 18.75                   |                        |             |
| 3               | 256QAM     | 15      | 0       | 0         | 18.84                  | 18.81                     | 18.78                   |                        |             |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |
| 1.4             | QPSK       | 1       | 0       | 0         | 23.39                  | 23.44                     | 23.32                   | 24.5                   | 0           |
| 1.4             | QPSK       | 1       | 0       | 23.38     | 23.42                  | 23.39                     | 23.39                   |                        |             |
| 1.4             | QPSK       | 1       | 5       | 0         | 23.38                  | 23.37                     | 23.41                   |                        |             |
| 1.4             | QPSK       | 3       | 0       | 23.38     | 23.44                  | 23.40                     | 23.40                   |                        |             |
| 1.4             | QPSK       | 3       | 3       | 0         | 23.41                  | 23.39                     | 23.39                   | 24                     | 0.5         |
| 1.4             | QPSK       | 3       | 3       | 23.42     | 23.37                  | 23.40                     | 23.40                   |                        |             |
| 1.4             | 16QAM      | 1       | 0       | 22.83     | 22.96                  | 22.89                     | 22.89                   |                        |             |
| 1.4             | 16QAM      | 1       | 3       | 22.82     | 22.86                  | 22.84                     | 22.84                   |                        |             |
| 1.4             | 16QAM      | 1       | 3       | 22.82     | 22.86                  | 22.86                     | 22.86                   | 24                     | 0.5         |
| 1.4             | 16QAM      | 3       | 0       | 22.89     | 22.96                  | 22.89                     | 22.89                   |                        |             |
| 1.4             | 16QAM      | 3       | 1       | 22.92     | 22.96                  | 22.89                     | 22.89                   |                        |             |
| 1.4             | 16QAM      | 3       | 1       | 22.92     | 22.93                  | 22.90                     | 22.90                   |                        |             |
| 1.4             | 64QAM      | 1       | 0       | 21.83     | 21.79                  | 21.79                     | 21.79                   | 23                     | 1.5         |
| 1.4             | 64QAM      | 1       | 3       | 21.77     | 21.82                  | 21.78                     | 21.78                   |                        |             |
| 1.4             | 64QAM      | 1       | 5       | 21.74     | 21.77                  | 21.74                     | 21.74                   |                        |             |
| 1.4             | 64QAM      | 3       | 0       | 21.70     | 21.83                  | 21.78                     | 21.78                   |                        |             |
| 1.4             | 64QAM      | 3       | 3       | 21.81     | 21.67                  | 21.75                     | 21.75                   | 22                     | 2.5         |
| 1.4             | 64QAM      | 3       | 3       | 21.79     | 21.79                  | 21.73                     | 21.73                   |                        |             |
| 1.4             | 64QAM      | 6       | 0       | 20.75     | 20.77                  | 20.75                     | 20.75                   |                        |             |
| 1.4             | 256QAM     | 1       | 0       | 18.79     | 18.83                  | 18.82                     | 18.82                   |                        |             |
| 1.4             | 256QAM     | 1       | 5       | 0         | 18.73                  | 18.77                     | 18.77                   | 20                     | 4.5         |
| 1.4             | 256QAM     | 1       | 5       | 18.72     | 18.80                  | 18.77                     | 18.77                   |                        |             |
| 1.4             | 256QAM     | 3       | 0       | 18.71     | 18.82                  | 18.80                     | 18.82                   |                        |             |
| 1.4             | 256QAM     | 3       | 1       | 18.86     | 18.73                  | 18.69                     | 18.69                   |                        |             |
| 1.4             | 256QAM     | 3       | 3       | 18.84     | 18.79                  | 18.75                     | 18.75                   |                        |             |

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| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>20850 | Power Middle<br>Ch. / Freq.<br>21100 | Power High<br>Ch. / Freq.<br>21350 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|
| Channel<br>Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 20                         | QPSK       | 1       | 0         | 2510                              | 2535                                 | 2560                               | 9                      | 0           |
| 20                         | QPSK       | 1       | 49        | 7.88                              | 7.88                                 | 7.97                               |                        |             |
| 20                         | QPSK       | 1       | 99        | 7.85                              | 7.91                                 | 7.90                               |                        |             |
| 20                         | QPSK       | 50      | 0         | 8.02                              | 8.05                                 | 8.00                               | 9                      | 0           |
| 20                         | QPSK       | 50      | 24        | 7.86                              | 7.94                                 | 7.91                               |                        |             |
| 20                         | QPSK       | 50      | 50        | 7.90                              | 7.94                                 | 7.90                               |                        |             |
| 20                         | QPSK       | 100     | 0         | 8.07                              | 8.03                                 | 7.99                               | 9                      | 0           |
| 20                         | 16QAM      | 1       | 0         | 7.96                              | 7.85                                 | 7.96                               |                        |             |
| 20                         | 16QAM      | 1       | 49        | 7.87                              | 7.95                                 | 7.89                               |                        |             |
| 20                         | 16QAM      | 50      | 0         | 7.95                              | 7.95                                 | 7.97                               | 9                      | 0           |
| 20                         | 16QAM      | 50      | 24        | 7.98                              | 7.87                                 | 7.88                               |                        |             |
| 20                         | 16QAM      | 50      | 50        | 7.97                              | 7.88                                 | 7.85                               |                        |             |
| 20                         | 16QAM      | 100     | 0         | 7.92                              | 7.85                                 | 7.88                               | 9                      | 0           |
| 20                         | 64QAM      | 1       | 0         | 7.85                              | 7.94                                 | 7.97                               |                        |             |
| 20                         | 64QAM      | 1       | 49        | 7.95                              | 7.91                                 | 7.89                               |                        |             |
| 20                         | 64QAM      | 1       | 99        | 7.88                              | 7.91                                 | 7.86                               | 9                      | 0           |
| 20                         | 64QAM      | 50      | 0         | 7.86                              | 7.94                                 | 7.94                               |                        |             |
| 20                         | 64QAM      | 50      | 24        | 7.90                              | 7.86                                 | 7.89                               |                        |             |
| 20                         | 64QAM      | 50      | 50        | 7.90                              | 7.86                                 | 7.87                               | 9                      | 0           |
| 20                         | 64QAM      | 100     | 0         | 7.91                              | 7.90                                 | 7.94                               |                        |             |
| 20                         | 256QAM     | 1       | 49        | 7.92                              | 7.90                                 | 7.86                               |                        |             |
| 20                         | 256QAM     | 1       | 99        | 7.91                              | 7.86                                 | 7.93                               | 9                      | 0           |
| 20                         | 256QAM     | 1       | 149       | 7.93                              | 7.89                                 | 7.93                               |                        |             |
| 20                         | 256QAM     | 50      | 0         | 7.97                              | 7.97                                 | 7.87                               |                        |             |
| 20                         | 256QAM     | 50      | 24        | 7.97                              | 7.97                                 | 7.87                               | 9                      | 0           |
| 20                         | 256QAM     | 50      | 50        | 7.90                              | 7.88                                 | 7.96                               |                        |             |
| 20                         | 256QAM     | 100     | 0         | 7.95                              | 7.91                                 | 7.98                               |                        |             |
| Channel<br>Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 15                         | QPSK       | 1       | 0         | 25915                             | 26165                                | 26415                              | 9                      | 0           |
| 15                         | QPSK       | 1       | 37        | 7.91                              | 7.83                                 | 7.91                               |                        |             |
| 15                         | QPSK       | 1       | 74        | 7.85                              | 7.95                                 | 7.94                               |                        |             |
| 15                         | QPSK       | 36      | 0         | 7.88                              | 7.91                                 | 7.88                               | 9                      | 0           |
| 15                         | QPSK       | 36      | 20        | 7.86                              | 7.94                                 | 7.87                               |                        |             |
| 15                         | QPSK       | 36      | 39        | 7.88                              | 7.91                                 | 7.86                               |                        |             |
| 15                         | QPSK       | 75      | 0         | 7.86                              | 7.87                                 | 7.96                               | 9                      | 0           |
| 15                         | 16QAM      | 1       | 0         | 7.96                              | 7.98                                 | 7.97                               |                        |             |
| 15                         | 16QAM      | 1       | 37        | 7.97                              | 7.94                                 | 7.92                               |                        |             |
| 15                         | 16QAM      | 1       | 74        | 7.97                              | 7.90                                 | 7.97                               | 9                      | 0           |
| 15                         | 16QAM      | 36      | 0         | 7.98                              | 7.93                                 | 7.90                               |                        |             |
| 15                         | 16QAM      | 36      | 20        | 7.98                              | 7.98                                 | 7.95                               |                        |             |
| 15                         | 16QAM      | 36      | 39        | 7.87                              | 7.90                                 | 7.93                               | 9                      | 0           |
| 15                         | 16QAM      | 75      | 0         | 7.88                              | 7.94                                 | 7.94                               |                        |             |
| 15                         | 64QAM      | 1       | 0         | 7.97                              | 7.91                                 | 7.96                               |                        |             |
| 15                         | 64QAM      | 1       | 37        | 7.95                              | 7.85                                 | 7.92                               | 9                      | 0           |
| 15                         | 64QAM      | 1       | 74        | 7.88                              | 7.87                                 | 7.95                               |                        |             |
| 15                         | 64QAM      | 36      | 0         | 7.95                              | 7.94                                 | 7.90                               |                        |             |
| 15                         | 64QAM      | 36      | 20        | 7.90                              | 7.97                                 | 7.97                               | 9                      | 0           |
| 15                         | 64QAM      | 36      | 39        | 7.96                              | 7.92                                 | 7.89                               |                        |             |
| 15                         | 64QAM      | 75      | 0         | 7.94                              | 7.88                                 | 7.91                               |                        |             |
| 15                         | 256QAM     | 1       | 0         | 7.95                              | 7.95                                 | 7.87                               | 9                      | 0           |
| 15                         | 256QAM     | 1       | 37        | 7.94                              | 7.88                                 | 7.87                               |                        |             |
| 15                         | 256QAM     | 1       | 74        | 7.92                              | 7.88                                 | 7.89                               |                        |             |
| 15                         | 256QAM     | 36      | 0         | 7.95                              | 7.94                                 | 7.87                               | 9                      | 0           |
| 15                         | 256QAM     | 36      | 20        | 7.94                              | 7.92                                 | 7.92                               |                        |             |
| 15                         | 256QAM     | 36      | 39        | 7.86                              | 7.95                                 | 7.98                               |                        |             |
| 15                         | 256QAM     | 75      | 0         | 7.89                              | 7.96                                 | 7.91                               | 9                      | 0           |
| 15                         | 256QAM     | 75      | 0         | 20890                             | 21100                                | 21400                              |                        |             |
| 15                         | 256QAM     | 75      | 0         | 20905                             | 21100                                | 21400                              |                        |             |
| Channel<br>Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 10                         | QPSK       | 1       | 0         | 25905                             | 26155                                | 26405                              | 9                      | 0           |
| 10                         | QPSK       | 1       | 25        | 7.92                              | 7.95                                 | 7.97                               |                        |             |
| 10                         | QPSK       | 1       | 49        | 7.88                              | 7.91                                 | 7.92                               |                        |             |
| 10                         | QPSK       | 25      | 0         | 7.89                              | 7.89                                 | 7.88                               | 9                      | 0           |
| 10                         | QPSK       | 25      | 12        | 7.97                              | 7.94                                 | 7.96                               |                        |             |
| 10                         | QPSK       | 25      | 25        | 7.95                              | 7.88                                 | 7.96                               |                        |             |
| 10                         | QPSK       | 50      | 0         | 7.92                              | 7.96                                 | 7.92                               | 9                      | 0           |
| 10                         | 16QAM      | 1       | 0         | 7.94                              | 7.85                                 | 7.91                               |                        |             |
| 10                         | 16QAM      | 1       | 7.85      | 7.91                              | 7.98                                 | 7.98                               |                        |             |
| 10                         | 16QAM      | 1       | 49        | 7.85                              | 7.98                                 | 7.92                               | 9                      | 0           |
| 10                         | 16QAM      | 25      | 0         | 7.90                              | 7.88                                 | 7.85                               |                        |             |
| 10                         | 16QAM      | 25      | 12        | 7.89                              | 7.88                                 | 7.92                               |                        |             |
| 10                         | 16QAM      | 25      | 25        | 7.85                              | 7.97                                 | 7.95                               | 9                      | 0           |
| 10                         | 16QAM      | 50      | 0         | 7.97                              | 7.88                                 | 7.85                               |                        |             |
| 10                         | 64QAM      | 1       | 0         | 7.87                              | 7.91                                 | 7.89                               |                        |             |
| 10                         | 64QAM      | 1       | 25        | 7.95                              | 7.97                                 | 7.93                               | 9                      | 0           |
| 10                         | 64QAM      | 1       | 49        | 7.93                              | 7.95                                 | 7.89                               |                        |             |
| 10                         | 64QAM      | 25      | 0         | 7.91                              | 7.85                                 | 7.93                               |                        |             |
| 10                         | 64QAM      | 25      | 12        | 7.96                              | 7.89                                 | 7.91                               | 9                      | 0           |
| 10                         | 64QAM      | 25      | 25        | 7.89                              | 7.97                                 | 7.98                               |                        |             |
| 10                         | 64QAM      | 50      | 0         | 7.95                              | 7.85                                 | 7.94                               |                        |             |
| 10                         | 256QAM     | 1       | 0         | 7.94                              | 7.85                                 | 7.97                               | 9                      | 0           |
| 10                         | 256QAM     | 1       | 25        | 7.92                              | 7.95                                 | 7.96                               |                        |             |
| 10                         | 256QAM     | 1       | 49        | 7.94                              | 7.97                                 | 7.97                               |                        |             |
| 10                         | 256QAM     | 25      | 0         | 7.86                              | 7.88                                 | 7.88                               | 9                      | 0           |
| 10                         | 256QAM     | 25      | 12        | 7.90                              | 7.94                                 | 7.93                               |                        |             |
| 10                         | 256QAM     | 25      | 25        | 7.87                              | 7.97                                 | 7.95                               |                        |             |
| 10                         | 256QAM     | 50      | 0         | 7.87                              | 7.87                                 | 7.95                               | 9                      | 0           |
| 10                         | 256QAM     | 50      | 0         | 20915                             | 21100                                | 21425                              |                        |             |
| 10                         | 256QAM     | 50      | 0         | 20930                             | 21100                                | 21425                              |                        |             |
| Channel<br>Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 5                          | QPSK       | 1       | 0         | 7.88                              | 7.91                                 | 7.95                               | 9                      | 0           |
| 5                          | QPSK       | 1       | 8         | 7.86                              | 7.95                                 | 7.96                               |                        |             |
| 5                          | QPSK       | 1       | 24        | 7.94                              | 7.95                                 | 7.87                               |                        |             |
| 5                          | QPSK       | 12      | 0         | 7.86                              | 7.88                                 | 7.90                               | 9                      | 0           |
| 5                          | QPSK       | 12      | 6         | 7.95                              | 7.89                                 | 7.96                               |                        |             |
| 5                          | QPSK       | 12      | 13        | 7.89                              | 7.90                                 | 7.92                               |                        |             |
| 5                          | QPSK       | 25      | 0         | 7.92                              | 7.87                                 | 7.85                               | 9                      | 0           |
| 5                          | 16QAM      | 1       | 0         | 7.89                              | 7.98                                 | 7.90                               |                        |             |
| 5                          | 16QAM      | 1       | 12        | 7.89                              | 7.90                                 | 7.92                               |                        |             |
| 5                          | 16QAM      | 1       | 24        | 7.90                              | 7.97                                 | 7.91                               | 9                      | 0           |
| 5                          | 16QAM      | 12      | 0         | 7.85                              | 7.95                                 | 7.96                               |                        |             |
| 5                          | 16QAM      | 12      | 7         | 7.94                              | 7.94                                 | 7.88                               |                        |             |
| 5                          | 16QAM      | 12      | 13        | 7.92                              | 7.94                                 | 7.90                               | 9                      | 0           |
| 5                          | 16QAM      | 25      | 0         | 7.95                              | 7.89                                 | 7.95                               |                        |             |
| 5                          | 64QAM      | 1       | 0         | 7.95                              | 7.86                                 | 7.90                               |                        |             |
| 5                          | 64QAM      | 1       | 12        | 7.86                              | 7.94                                 | 7.87                               | 9                      | 0           |
| 5                          | 64QAM      | 1       | 24        | 7.90                              | 7.95                                 | 7.95                               |                        |             |
| 5                          | 64QAM      | 12      | 0         | 7.89                              | 7.97                                 | 7.93                               |                        |             |
| 5                          | 64QAM      | 12      | 7         | 7.97                              | 7.86                                 | 7.89                               | 9                      | 0           |
| 5                          | 64QAM      | 12      | 13        | 7.93                              | 7.85                                 | 7.97                               |                        |             |
| 5                          | 64QAM      | 25      | 0         | 7.87                              | 7.98                                 | 7.91                               |                        |             |
| 5                          | 256QAM     | 1       | 0         | 7.89                              | 7.86                                 | 7.92                               | 9                      | 0           |
| 5                          | 256QAM     | 1       | 12        | 7.95                              | 7.85                                 | 7.95                               |                        |             |
| 5                          | 256QAM     | 1       | 24        | 7.93                              | 7.88                                 | 7.98                               |                        |             |
| 5                          | 256QAM     | 12      | 0         | 7.96                              | 7.97                                 | 7.95                               | 9                      | 0           |
| 5                          | 256QAM     | 12      | 7         | 7.91                              | 7.91                                 | 7.92                               |                        |             |
| 5                          | 256QAM     | 12      | 13        | 7.85                              | 7.88                                 | 7.93                               |                        |             |
| 5                          | 256QAM     | 25      | 0         | 7.95                              | 7.95                                 | 7.98                               | 9                      | 0           |
| 5                          | 256QAM     | 25      | 0         | 21015                             | 21100                                | 21450                              |                        |             |
| 5                          | 256QAM     | 25      | 0         | 21030                             | 21100                                | 21450                              |                        |             |

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| BW [MHz]                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq.<br>17200 | Power<br>Middle<br>Ch. / Freq.<br>17372 | Power<br>High<br>Ch. / Freq.<br>17572 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|--------------------------------------|-----------------------------------------|---------------------------------------|------------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                         |                                       |                        |             |
| 20                         | QPSK       | 1       | 0         | 23.33                                | 23.33                                   | 23.33                                 | 24.5                   | 0           |
| 20                         | QPSK       | 1       | 49        | 23.58                                | 23.60                                   | 23.56                                 |                        |             |
| 20                         | QPSK       | 1       | 99        | 23.52                                | 23.57                                   | 23.54                                 |                        |             |
| 20                         | QPSK       | 50      | 0         | 23.36                                | 23.41                                   | 23.40                                 | 24                     | 0.5         |
| 20                         | QPSK       | 50      | 24        | 23.02                                | 22.98                                   | 22.98                                 |                        |             |
| 20                         | QPSK       | 50      | 50        | 22.92                                | 23.06                                   | 23.00                                 |                        |             |
| 20                         | QPSK       | 100     | 0         | 23.35                                | 23.05                                   | 23.03                                 | 24                     | 0.5         |
| 20                         | 16QAM      | 1       | 0         | 22.97                                | 23.05                                   | 22.93                                 |                        |             |
| 20                         | 16QAM      | 1       | 49        | 23.01                                | 23.06                                   | 22.97                                 |                        |             |
| 20                         | 16QAM      | 50      | 0         | 22.03                                | 22.00                                   | 21.92                                 | 23                     | 1.5         |
| 20                         | 16QAM      | 50      | 24        | 21.94                                | 22.04                                   | 22.01                                 |                        |             |
| 20                         | 16QAM      | 50      | 50        | 22.01                                | 22.04                                   | 21.95                                 |                        |             |
| 20                         | 16QAM      | 100     | 0         | 21.95                                | 22.03                                   | 21.97                                 | 23                     | 1.5         |
| 20                         | 64QAM      | 1       | 0         | 21.94                                | 22.06                                   | 21.97                                 |                        |             |
| 20                         | 64QAM      | 1       | 99        | 21.95                                | 22.06                                   | 21.93                                 |                        |             |
| 20                         | 64QAM      | 50      | 0         | 21.00                                | 20.99                                   | 20.97                                 | 22                     | 2.5         |
| 20                         | 64QAM      | 50      | 24        | 21.05                                | 20.99                                   | 20.94                                 |                        |             |
| 20                         | 64QAM      | 50      | 50        | 20.97                                | 20.99                                   | 20.94                                 |                        |             |
| 20                         | 64QAM      | 100     | 0         | 20.95                                | 20.96                                   | 21.01                                 | 20                     | 4.5         |
| 20                         | 256QAM     | 1       | 0         | 18.93                                | 18.97                                   | 18.98                                 |                        |             |
| 20                         | 256QAM     | 1       | 49        | 19.01                                | 18.96                                   | 18.96                                 |                        |             |
| 20                         | 256QAM     | 1       | 99        | 19.02                                | 18.96                                   | 18.91                                 | 20                     | 4.5         |
| 20                         | 256QAM     | 50      | 0         | 18.97                                | 18.91                                   | 18.94                                 |                        |             |
| 20                         | 256QAM     | 50      | 24        | 19.03                                | 18.95                                   | 18.95                                 |                        |             |
| 20                         | 256QAM     | 50      | 50        | 18.95                                | 18.95                                   | 18.95                                 |                        |             |
| 20                         | 256QAM     | 100     | 0         | 18.98                                | 19.00                                   | 19.00                                 | 20                     | 4.5         |
| 20                         | 256QAM     | 100     | 0         | 18.98                                | 19.00                                   | 19.00                                 |                        |             |
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                         |                                       |                        |             |
| 15                         | QPSK       | 1       | 0         | 23.28                                | 23.24                                   | 23.20                                 | 24.5                   | 0           |
| 15                         | QPSK       | 1       | 37        | 23.46                                | 23.46                                   | 23.51                                 |                        |             |
| 15                         | QPSK       | 1       | 74        | 23.39                                | 23.42                                   | 23.48                                 |                        |             |
| 15                         | QPSK       | 36      | 0         | 22.94                                | 23.05                                   | 23.01                                 | 24                     | 0.5         |
| 15                         | QPSK       | 36      | 20        | 22.92                                | 22.91                                   | 22.83                                 |                        |             |
| 15                         | QPSK       | 36      | 50        | 22.94                                | 22.93                                   | 22.87                                 |                        |             |
| 15                         | QPSK       | 75      | 0         | 22.96                                | 22.99                                   | 22.97                                 | 24                     | 0.5         |
| 15                         | 16QAM      | 1       | 0         | 22.86                                | 22.93                                   | 22.80                                 |                        |             |
| 15                         | 16QAM      | 1       | 74        | 22.94                                | 22.90                                   | 22.78                                 |                        |             |
| 15                         | 16QAM      | 36      | 0         | 21.93                                | 21.86                                   | 21.81                                 | 23                     | 1.5         |
| 15                         | 16QAM      | 36      | 20        | 21.89                                | 21.87                                   | 21.80                                 |                        |             |
| 15                         | 16QAM      | 36      | 50        | 21.85                                | 21.81                                   | 21.87                                 |                        |             |
| 15                         | 16QAM      | 75      | 0         | 21.85                                | 21.81                                   | 21.87                                 | 23                     | 1.5         |
| 15                         | 64QAM      | 1       | 0         | 21.84                                | 21.84                                   | 21.80                                 |                        |             |
| 15                         | 64QAM      | 1       | 74        | 21.89                                | 21.89                                   | 21.85                                 |                        |             |
| 15                         | 64QAM      | 36      | 0         | 20.99                                | 20.99                                   | 20.99                                 | 22                     | 2.5         |
| 15                         | 64QAM      | 36      | 20        | 20.94                                | 21.01                                   | 20.99                                 |                        |             |
| 15                         | 64QAM      | 36      | 50        | 20.96                                | 20.97                                   | 20.90                                 |                        |             |
| 15                         | 64QAM      | 75      | 0         | 20.95                                | 20.99                                   | 20.94                                 | 20                     | 4.5         |
| 15                         | 256QAM     | 1       | 0         | 18.87                                | 18.86                                   | 18.87                                 |                        |             |
| 15                         | 256QAM     | 1       | 37        | 18.87                                | 18.87                                   | 18.89                                 |                        |             |
| 15                         | 256QAM     | 1       | 74        | 18.88                                | 18.82                                   | 18.84                                 | 20                     | 4.5         |
| 15                         | 256QAM     | 36      | 0         | 18.82                                | 18.89                                   | 18.89                                 |                        |             |
| 15                         | 256QAM     | 36      | 20        | 18.85                                | 18.85                                   | 18.85                                 |                        |             |
| 15                         | 256QAM     | 36      | 50        | 18.87                                | 18.86                                   | 18.85                                 |                        |             |
| 15                         | 256QAM     | 75      | 0         | 18.89                                | 18.90                                   | 18.95                                 | 20                     | 4.5         |
| 15                         | 256QAM     | 75      | 0         | 18.89                                | 18.90                                   | 18.95                                 |                        |             |
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                         |                                       |                        |             |
| 10                         | QPSK       | 1       | 0         | 23.25                                | 23.25                                   | 23.20                                 | 24.5                   | 0           |
| 10                         | QPSK       | 1       | 37        | 23.45                                | 23.47                                   | 23.47                                 |                        |             |
| 10                         | QPSK       | 1       | 49        | 23.38                                | 23.48                                   | 23.42                                 |                        |             |
| 10                         | QPSK       | 25      | 0         | 23.01                                | 22.95                                   | 22.98                                 | 24                     | 0.5         |
| 10                         | QPSK       | 25      | 12        | 22.94                                | 22.91                                   | 22.87                                 |                        |             |
| 10                         | QPSK       | 25      | 25        | 22.81                                | 22.95                                   | 22.85                                 |                        |             |
| 10                         | QPSK       | 50      | 0         | 22.89                                | 23.01                                   | 22.87                                 | 24                     | 0.5         |
| 10                         | 16QAM      | 1       | 0         | 22.91                                | 22.92                                   | 22.82                                 |                        |             |
| 10                         | 16QAM      | 1       | 25        | 22.93                                | 22.94                                   | 22.83                                 |                        |             |
| 10                         | 16QAM      | 25      | 0         | 22.87                                | 22.82                                   | 22.85                                 | 23                     | 1.5         |
| 10                         | 16QAM      | 25      | 12        | 21.94                                | 21.99                                   | 21.79                                 |                        |             |
| 10                         | 16QAM      | 25      | 50        | 21.97                                | 21.95                                   | 21.81                                 |                        |             |
| 10                         | 64QAM      | 1       | 0         | 21.82                                | 21.95                                   | 21.85                                 | 23                     | 1.5         |
| 10                         | 64QAM      | 1       | 25        | 21.91                                | 21.94                                   | 21.87                                 |                        |             |
| 10                         | 64QAM      | 1       | 49        | 21.84                                | 22.01                                   | 21.82                                 |                        |             |
| 10                         | 64QAM      | 25      | 0         | 20.88                                | 20.94                                   | 20.84                                 | 22                     | 2.5         |
| 10                         | 64QAM      | 25      | 12        | 20.92                                | 20.97                                   | 20.85                                 |                        |             |
| 10                         | 64QAM      | 25      | 25        | 20.81                                | 20.89                                   | 20.83                                 |                        |             |
| 10                         | 64QAM      | 50      | 0         | 20.86                                | 20.88                                   | 20.88                                 | 20                     | 4.5         |
| 10                         | 256QAM     | 1       | 0         | 18.84                                | 18.85                                   | 18.85                                 |                        |             |
| 10                         | 256QAM     | 1       | 25        | 18.94                                | 18.85                                   | 18.83                                 |                        |             |
| 10                         | 256QAM     | 1       | 49        | 18.87                                | 18.91                                   | 18.75                                 | 20                     | 4.5         |
| 10                         | 256QAM     | 25      | 0         | 18.85                                | 18.84                                   | 18.78                                 |                        |             |
| 10                         | 256QAM     | 25      | 12        | 18.95                                | 18.85                                   | 18.85                                 |                        |             |
| 10                         | 256QAM     | 25      | 25        | 18.86                                | 18.97                                   | 18.92                                 |                        |             |
| 10                         | 256QAM     | 50      | 0         | 18.92                                | 18.84                                   | 18.87                                 | 20                     | 4.5         |
| 10                         | 256QAM     | 50      | 0         | 18.92                                | 18.84                                   | 18.87                                 |                        |             |
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                         |                                       |                        |             |
| 5                          | QPSK       | 1       | 0         | 23.25                                | 23.25                                   | 23.20                                 | 24.5                   | 0           |
| 5                          | QPSK       | 1       | 12        | 23.43                                | 23.44                                   | 23.49                                 |                        |             |
| 5                          | QPSK       | 1       | 24        | 23.37                                | 23.46                                   | 23.42                                 |                        |             |
| 5                          | QPSK       | 12      | 0         | 23.01                                | 22.95                                   | 23.01                                 | 24                     | 0.5         |
| 5                          | QPSK       | 12      | 7         | 22.95                                | 22.82                                   | 22.91                                 |                        |             |
| 5                          | QPSK       | 12      | 13        | 22.77                                | 22.92                                   | 22.80                                 |                        |             |
| 5                          | QPSK       | 25      | 0         | 22.92                                | 22.82                                   | 22.90                                 | 24                     | 0.5         |
| 5                          | 16QAM      | 1       | 0         | 22.83                                | 22.96                                   | 22.87                                 |                        |             |
| 5                          | 16QAM      | 1       | 12        | 22.88                                | 22.95                                   | 22.82                                 |                        |             |
| 5                          | 16QAM      | 12      | 0         | 21.95                                | 21.84                                   | 21.87                                 | 23                     | 1.5         |
| 5                          | 16QAM      | 12      | 7         | 21.89                                | 21.93                                   | 21.85                                 |                        |             |
| 5                          | 16QAM      | 12      | 13        | 21.93                                | 21.90                                   | 21.83                                 |                        |             |
| 5                          | 16QAM      | 25      | 0         | 21.80                                | 21.93                                   | 21.82                                 | 23                     | 1.5         |
| 5                          | 64QAM      | 1       | 0         | 21.87                                | 21.95                                   | 21.88                                 |                        |             |
| 5                          | 64QAM      | 1       | 12        | 21.90                                | 21.89                                   | 21.96                                 |                        |             |
| 5                          | 64QAM      | 1       | 24        | 21.82                                | 21.97                                   | 21.90                                 | 22                     | 2.5         |
| 5                          | 64QAM      | 12      | 0         | 20.84                                | 20.84                                   | 20.91                                 |                        |             |
| 5                          | 64QAM      | 12      | 7         | 20.84                                | 20.85                                   | 20.80                                 |                        |             |
| 5                          | 64QAM      | 12      | 13        | 20.90                                | 20.85                                   | 20.80                                 | 20                     | 4.5         |
| 5                          | 64QAM      | 25      | 0         | 20.79                                | 20.95                                   | 20.85                                 |                        |             |
| 5                          | 256QAM     | 1       | 0         | 18.84                                | 18.84                                   | 18.93                                 |                        |             |
| 5                          | 256QAM     | 1       | 12        | 18.93                                | 18.86                                   | 18.83                                 | 20                     | 4.5         |
| 5                          | 256QAM     | 24      | 0         | 18.85                                | 18.87                                   | 18.81                                 |                        |             |
| 5                          | 256QAM     | 12      | 0         | 18.85                                | 18.87                                   | 18.86                                 | 20                     | 4.5         |
| 5                          | 256QAM     | 12      | 7         | 18.86                                | 18.83                                   | 18.83                                 |                        |             |
| 5                          | 256QAM     | 12      | 13        | 18.82                                | 18.90                                   | 18.84                                 |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.82                                | 18.89                                   | 18.94                                 | 20                     | 4.5         |
| 5                          | 256QAM     | 25      | 0         | 18.82                                | 18.89                                   | 18.94                                 |                        |             |
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                         |                                       |                        |             |
| 3                          | QPSK       | 1       | 0         | 23.21                                | 23.28                                   | 23.23                                 | 24.5                   | 0           |
| 3                          | QPSK       | 1       | 6         | 23.47                                | 23.44                                   | 23.49                                 |                        |             |
| 3                          | QPSK       | 1       | 12        | 23.39                                | 23.47                                   | 23.40                                 |                        |             |
| 3                          | QPSK       | 8       | 0         | 22.96                                | 23.00                                   | 22.99                                 | 24                     | 0.5         |
| 3                          | QPSK       | 8       | 4         | 22.94                                | 22.89                                   | 22.83                                 |                        |             |
| 3                          | QPSK       | 8       | 8         | 22.84                                | 23.00                                   | 22.91                                 |                        |             |
| 3                          | QPSK       | 15      | 0         | 22.96                                | 23.02                                   | 22.94                                 | 24                     | 0.5         |
| 3                          | 16QAM      | 1       | 0         | 22.86                                | 22.95                                   | 22.81                                 |                        |             |
| 3                          | 16QAM      | 1       | 6         | 22.92                                | 22.82                                   | 22.92                                 |                        |             |
| 3                          | 16QAM      | 1       | 14        | 22.85                                | 22.84                                   | 22.77                                 | 23                     | 1.5         |
| 3                          | 16QAM      | 8       | 0         | 21.97                                | 21.97                                   | 21.78                                 |                        |             |
| 3                          | 16QAM      | 8       | 4         | 21.84                                | 21.93                                   | 21.91                                 |                        |             |
| 3                          | 16QAM      | 8       | 7         | 21.94                                | 21.96                                   | 21.88                                 | 23                     | 1.5         |
| 3                          | 16QAM      | 15      | 0         | 21.80                                | 21.94                                   | 21.81                                 |                        |             |
| 3                          | 64QAM      | 1       | 0         | 21.85                                | 21.90                                   | 21.81                                 |                        |             |
| 3                          | 64QAM      | 1       | 8         | 21.88                                | 21.94                                   | 21.85                                 | 22                     | 2.5         |
| 3                          | 64QAM      | 1       | 15        | 21.98                                | 21.91                                   | 21.84                                 |                        |             |
| 3                          | 64QAM      | 8       | 0         | 20.91                                | 20.80                                   | 20.92                                 |                        |             |
| 3                          | 64QAM      | 8       | 4         | 20.84                                | 20.97                                   | 20.81                                 | 20                     | 4.5         |
| 3                          | 64QAM      | 8       | 7         | 20.83                                | 20.93                                   | 20.85                                 |                        |             |
| 3                          | 64QAM      | 15      | 0         | 20.85                                | 20.85                                   | 20.92                                 |                        |             |
| 3                          | 256QAM     | 1       | 0         | 18.88                                | 18.81                                   | 18.85                                 | 20                     | 4.5         |
| 3                          | 256QAM     | 1       | 8         | 18.88                                | 18.85                                   | 18.87                                 |                        |             |
| 3                          | 256QAM     | 1       | 14        | 18.95                                | 18.88                                   | 18.78                                 |                        |             |
| 3                          | 256QAM     | 8       | 0         | 18.89                                | 18.91                                   | 18.89                                 | 20                     | 4.5         |
| 3                          | 256QAM     | 8       | 7         | 18.91                                | 18.87                                   | 18.82                                 |                        |             |
| 3                          | 256QAM     | 8       | 7         | 18.90                                | 18.97                                   | 18.80                                 |                        |             |
| 3                          | 256QAM     | 15      | 0         | 18.83                                | 18.94                                   | 18.92                                 | 20                     | 4.5         |
| 3                          | 256QAM     | 15      | 0         | 18.83                                | 18.94                                   | 18.92                                 |                        |             |
| Channel<br>Frequency (MHz) |            |         |           |                                      |                                         |                                       |                        |             |
| 1.4                        | QPSK       | 1       | 0         | 23.53                                | 23.47                                   | 23.51                                 | 24.5                   | 0           |
| 1.4                        | QPSK       | 1       | 5         | 23.49                                | 23.49                                   | 23.41                                 |                        |             |
| 1.4                        | QPSK       | 1       | 5         | 23.47                                | 23.50                                   | 23.49                                 |                        |             |
| 1.4                        | QPSK       | 3       | 0         | 23.46                                | 23.45                                   | 23.41                                 | 24                     | 0.5         |
| 1.4                        | QPSK       | 3       | 0         | 23.46                                | 23.48                                   | 23.47                                 |                        |             |
| 1.4                        | QPSK       | 3       | 3         | 23.48                                | 23.44                                   | 23.51                                 |                        |             |
| 1.4                        | QPSK       | 3       | 3         | 23.44                                | 23.57                                   | 23.58                                 | 24                     | 0.5         |
| 1.4                        | 16QAM      | 1       | 0         | 23.03                                | 23.06                                   | 22.92                                 |                        |             |
| 1.4                        | 16QAM      | 1       | 3         | 22.88                                | 23.01                                   | 22.81                                 |                        |             |
| 1.4                        | 16QAM      | 3       | 0         | 23.00                                | 23.05                                   | 23.03                                 | 24                     | 0.5         |
| 1.4                        | 16QAM      | 3       | 1         | 22.97                                | 22.98                                   | 22.91                                 |                        |             |
| 1.4                        | 16QAM      | 3       | 1         | 22.92                                | 23.03                                   | 22.96                                 |                        |             |
| 1.4                        | 16QAM      | 3       | 3         | 22.95                                | 22.96                                   | 22.99                                 | 23                     | 1.5         |
| 1.4                        | 64QAM      | 1       | 0         | 21.92                                | 21.90                                   | 21.83                                 |                        |             |
| 1.4                        | 64QAM      | 1       | 0         | 21.89                                | 21.94                                   | 21.86                                 |                        |             |
| 1.4                        | 64QAM      | 3       | 0         | 21.95                                | 21.85                                   | 21.82                                 | 23                     | 1.5         |
| 1.4                        | 64QAM      | 3       | 1         | 21.87                                | 21.95                                   | 21.76                                 |                        |             |
| 1.4                        | 64QAM      | 3       | 3         | 21.96                                | 21.84                                   | 21.77                                 |                        |             |
| 1.4                        | 64QAM      | 6       | 0         | 20.91                                | 20.94                                   | 20.85                                 | 22                     | 2.5         |
| 1.4                        | 256QAM     | 1       | 0         | 18.87                                | 18.85                                   | 18.90                                 |                        |             |
| 1.4                        | 256QAM     | 1       | 3         | 18.91                                | 18.81                                   | 18.89                                 |                        |             |
| 1.4                        | 256QAM     | 1       | 5         | 18.94                                | 18.83                                   | 18.84                                 | 20                     | 4.5         |
| 1.4                        | 256QAM     | 3       | 0         | 18.88                                | 18.85                                   | 18.89                                 |                        |             |
| 1.4                        | 256QAM     | 3       | 1         | 18.93                                | 18.80                                   | 18.87                                 |                        |             |
| 1.4                        | 256QAM     | 3       | 3         | 18.89                                | 18.96                                   | 18.88                                 | 20                     | 4.5         |
| 1.4                        | 256QAM     | 3       | 3         | 18.87                                | 18.97                                   | 18.80                                 |                        |             |

# Band 38\_Ant 1

| 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<br>Frequency (MHz) |            |         |           | 2600                        | 2606                           | 2610                         | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 37650                       | 38000                          | 38150                        |                        |             |
| 20                         | QPSK       | 1       | 0         | 18.39                       | 18.58                          | 18.53                        | 19.5                   | 0           |
| 20                         | QPSK       | 1       | 46        | 18.48                       | 18.49                          | 18.48                        |                        |             |
| 20                         | QPSK       | 1       | 89        | 18.41                       | 18.48                          | 18.46                        |                        |             |
| 20                         | QPSK       | 50      | 0         | 18.51                       | 18.53                          | 18.50                        | 19.5                   | 0           |
| 20                         | QPSK       | 50      | 24        | 18.44                       | 18.37                          | 18.37                        |                        |             |
| 20                         | QPSK       | 50      | 50        | 18.40                       | 18.43                          | 18.35                        |                        |             |
| 20                         | QPSK       | 100     | 0         | 18.50                       | 18.51                          | 18.48                        | 19.5                   | 0           |
| 20                         | 16QAM      | 1       | 0         | 18.40                       | 18.37                          | 18.40                        |                        |             |
| 20                         | 16QAM      | 1       | 46        | 18.46                       | 18.37                          | 18.42                        |                        |             |
| 20                         | 16QAM      | 1       | 89        | 18.40                       | 18.40                          | 18.42                        |                        |             |
| 20                         | 16QAM      | 50      | 0         | 18.48                       | 18.40                          | 18.40                        |                        |             |
| 20                         | 16QAM      | 50      | 24        | 18.42                       | 18.42                          | 18.41                        |                        |             |
| 20                         | 16QAM      | 50      | 50        | 18.46                       | 18.40                          | 18.42                        | 19.5                   | 0           |
| 20                         | 16QAM      | 100     | 0         | 18.45                       | 18.48                          | 18.35                        |                        |             |
| 20                         | 16QAM      | 1       | 0         | 18.38                       | 18.47                          | 18.40                        |                        |             |
| 20                         | 64QAM      | 1       | 46        | 18.42                       | 18.46                          | 18.42                        |                        |             |
| 20                         | 64QAM      | 1       | 89        | 18.45                       | 18.39                          | 18.44                        |                        |             |
| 20                         | 64QAM      | 50      | 0         | 18.38                       | 18.48                          | 18.35                        |                        |             |
| 20                         | 64QAM      | 50      | 24        | 18.40                       | 18.44                          | 18.35                        | 19.5                   | 0           |
| 20                         | 64QAM      | 50      | 50        | 18.44                       | 18.48                          | 18.38                        |                        |             |
| 20                         | 64QAM      | 100     | 0         | 18.40                       | 18.37                          | 18.42                        |                        |             |
| 20                         | 256QAM     | 1       | 0         | 18.35                       | 18.42                          | 18.33                        | 19.5                   | 0           |
| 20                         | 256QAM     | 1       | 46        | 18.42                       | 18.39                          | 18.33                        |                        |             |
| 20                         | 256QAM     | 1       | 89        | 18.43                       | 18.47                          | 18.39                        |                        |             |
| 20                         | 256QAM     | 50      | 0         | 18.41                       | 18.38                          | 18.39                        | 19.5                   | 0           |
| 20                         | 256QAM     | 50      | 24        | 18.37                       | 18.38                          | 18.39                        |                        |             |
| 20                         | 256QAM     | 50      | 50        | 18.35                       | 18.42                          | 18.37                        |                        |             |
| 20                         | 256QAM     | 100     | 0         | 18.39                       | 18.41                          | 18.43                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           | 37650                       | 38000                          | 38175                        |                        |             |
| 15                         | QPSK       | 1       | 0         | 18.39                       | 18.38                          | 18.44                        | 19.5                   | 0           |
| 15                         | QPSK       | 1       | 37        | 18.44                       | 18.38                          | 18.39                        |                        |             |
| 15                         | QPSK       | 1       | 74        | 18.38                       | 18.40                          | 18.40                        |                        |             |
| 15                         | QPSK       | 36      | 0         | 18.44                       | 18.40                          | 18.41                        | 19.5                   | 0           |
| 15                         | QPSK       | 36      | 36        | 18.35                       | 18.41                          | 18.37                        |                        |             |
| 15                         | QPSK       | 36      | 89        | 18.37                       | 18.37                          | 18.42                        |                        |             |
| 15                         | QPSK       | 75      | 0         | 18.43                       | 18.48                          | 18.42                        | 19.5                   | 0           |
| 15                         | 16QAM      | 1       | 0         | 18.38                       | 18.39                          | 18.41                        |                        |             |
| 15                         | 16QAM      | 1       | 37        | 18.42                       | 18.39                          | 18.38                        |                        |             |
| 15                         | 16QAM      | 36      | 0         | 18.45                       | 18.47                          | 18.40                        | 19.5                   | 0           |
| 15                         | 16QAM      | 36      | 20        | 18.41                       | 18.39                          | 18.34                        |                        |             |
| 15                         | 16QAM      | 36      | 36        | 18.44                       | 18.39                          | 18.41                        |                        |             |
| 15                         | 16QAM      | 75      | 0         | 18.39                       | 18.39                          | 18.45                        | 19.5                   | 0           |
| 15                         | 64QAM      | 1       | 0         | 18.45                       | 18.38                          | 18.45                        |                        |             |
| 15                         | 64QAM      | 1       | 37        | 18.46                       | 18.39                          | 18.38                        |                        |             |
| 15                         | 64QAM      | 1       | 74        | 18.41                       | 18.41                          | 18.34                        | 19.5                   | 0           |
| 15                         | 64QAM      | 36      | 0         | 18.37                       | 18.48                          | 18.34                        |                        |             |
| 15                         | 64QAM      | 36      | 20        | 18.44                       | 18.43                          | 18.35                        |                        |             |
| 15                         | 64QAM      | 36      | 36        | 18.44                       | 18.39                          | 18.38                        | 19.5                   | 0           |
| 15                         | 64QAM      | 75      | 0         | 18.39                       | 18.44                          | 18.36                        |                        |             |
| 15                         | 64QAM      | 75      | 0         | 18.38                       | 18.43                          | 18.42                        |                        |             |
| 15                         | 256QAM     | 1       | 0         | 18.24                       | 18.29                          | 18.28                        | 19.5                   | 0           |
| 15                         | 256QAM     | 1       | 37        | 18.35                       | 18.35                          | 18.18                        |                        |             |
| 15                         | 256QAM     | 1       | 74        | 18.35                       | 18.37                          | 18.28                        |                        |             |
| 15                         | 256QAM     | 36      | 0         | 18.28                       | 18.30                          | 18.31                        | 19.5                   | 0           |
| 15                         | 256QAM     | 36      | 20        | 18.32                       | 18.33                          | 18.28                        |                        |             |
| 15                         | 256QAM     | 36      | 36        | 18.28                       | 18.30                          | 18.28                        |                        |             |
| 15                         | 256QAM     | 75      | 0         | 18.34                       | 18.35                          | 18.37                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           | 37650                       | 38000                          | 38200                        |                        |             |
| 10                         | QPSK       | 1       | 0         | 18.39                       | 18.40                          | 18.42                        | 19.5                   | 0           |
| 10                         | QPSK       | 1       | 25        | 18.44                       | 18.46                          | 18.38                        |                        |             |
| 10                         | QPSK       | 1       | 49        | 18.41                       | 18.39                          | 18.40                        |                        |             |
| 10                         | QPSK       | 25      | 0         | 18.37                       | 18.48                          | 18.42                        | 19.5                   | 0           |
| 10                         | QPSK       | 25      | 12        | 18.38                       | 18.43                          | 18.37                        |                        |             |
| 10                         | QPSK       | 25      | 25        | 18.44                       | 18.41                          | 18.34                        |                        |             |
| 10                         | 16QAM      | 50      | 0         | 18.42                       | 18.39                          | 18.39                        | 19.5                   | 0           |
| 10                         | 16QAM      | 1       | 0         | 18.40                       | 18.38                          | 18.42                        |                        |             |
| 10                         | 16QAM      | 1       | 25        | 18.41                       | 18.42                          | 18.37                        |                        |             |
| 10                         | 16QAM      | 1       | 49        | 18.38                       | 18.41                          | 18.34                        | 19.5                   | 0           |
| 10                         | 16QAM      | 25      | 0         | 18.45                       | 18.37                          | 18.45                        |                        |             |
| 10                         | 16QAM      | 25      | 12        | 18.46                       | 18.45                          | 18.38                        |                        |             |
| 10                         | 16QAM      | 25      | 25        | 18.45                       | 18.37                          | 18.42                        | 19.5                   | 0           |
| 10                         | 16QAM      | 50      | 0         | 18.45                       | 18.40                          | 18.40                        |                        |             |
| 10                         | 64QAM      | 1       | 0         | 18.41                       | 18.48                          | 18.43                        |                        |             |
| 10                         | 64QAM      | 1       | 25        | 18.45                       | 18.46                          | 18.43                        | 19.5                   | 0           |
| 10                         | 64QAM      | 1       | 49        | 18.46                       | 18.47                          | 18.35                        |                        |             |
| 10                         | 64QAM      | 25      | 0         | 18.39                       | 18.48                          | 18.40                        |                        |             |
| 10                         | 64QAM      | 25      | 12        | 18.38                       | 18.37                          | 18.42                        | 19.5                   | 0           |
| 10                         | 64QAM      | 25      | 25        | 18.44                       | 18.41                          | 18.42                        |                        |             |
| 10                         | 64QAM      | 50      | 0         | 18.44                       | 18.39                          | 18.43                        |                        |             |
| 10                         | 256QAM     | 1       | 0         | 18.16                       | 18.29                          | 18.21                        | 19.5                   | 0           |
| 10                         | 256QAM     | 1       | 25        | 18.27                       | 18.24                          | 18.26                        |                        |             |
| 10                         | 256QAM     | 1       | 49        | 18.29                       | 18.38                          | 18.23                        |                        |             |
| 10                         | 256QAM     | 25      | 0         | 18.32                       | 18.33                          | 18.28                        | 19.5                   | 0           |
| 10                         | 256QAM     | 25      | 12        | 18.30                       | 18.25                          | 18.27                        |                        |             |
| 10                         | 256QAM     | 25      | 25        | 18.26                       | 18.29                          | 18.23                        |                        |             |
| 10                         | 256QAM     | 50      | 0         | 18.26                       | 18.27                          | 18.32                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           | 37775                       | 38000                          | 38225                        |                        |             |
| 5                          | QPSK       | 1       | 0         | 18.45                       | 18.41                          | 18.43                        | 19.5                   | 0           |
| 5                          | QPSK       | 1       | 12        | 18.45                       | 18.45                          | 18.34                        |                        |             |
| 5                          | QPSK       | 1       | 24        | 18.35                       | 18.48                          | 18.37                        |                        |             |
| 5                          | QPSK       | 12      | 0         | 18.42                       | 18.47                          | 18.41                        | 19.5                   | 0           |
| 5                          | QPSK       | 12      | 7         | 18.36                       | 18.45                          | 18.39                        |                        |             |
| 5                          | QPSK       | 12      | 13        | 18.37                       | 18.42                          | 18.40                        |                        |             |
| 5                          | QPSK       | 25      | 0         | 18.36                       | 18.44                          | 18.35                        | 19.5                   | 0           |
| 5                          | 16QAM      | 1       | 0         | 18.42                       | 18.40                          | 18.37                        |                        |             |
| 5                          | 16QAM      | 1       | 12        | 18.41                       | 18.42                          | 18.38                        |                        |             |
| 5                          | 16QAM      | 1       | 24        | 18.41                       | 18.48                          | 18.45                        | 19.5                   | 0           |
| 5                          | 16QAM      | 12      | 0         | 18.46                       | 18.45                          | 18.40                        |                        |             |
| 5                          | 16QAM      | 12      | 7         | 18.36                       | 18.39                          | 18.37                        |                        |             |
| 5                          | 16QAM      | 12      | 13        | 18.42                       | 18.45                          | 18.37                        | 19.5                   | 0           |
| 5                          | 16QAM      | 25      | 0         | 18.42                       | 18.44                          | 18.34                        |                        |             |
| 5                          | 64QAM      | 1       | 0         | 18.46                       | 18.47                          | 18.39                        |                        |             |
| 5                          | 64QAM      | 1       | 12        | 18.35                       | 18.37                          | 18.38                        | 19.5                   | 0           |
| 5                          | 64QAM      | 1       | 24        | 18.37                       | 18.42                          | 18.35                        |                        |             |
| 5                          | 64QAM      | 12      | 0         | 18.39                       | 18.47                          | 18.37                        |                        |             |
| 5                          | 64QAM      | 12      | 7         | 18.42                       | 18.42                          | 18.38                        | 19.5                   | 0           |
| 5                          | 64QAM      | 12      | 13        | 18.45                       | 18.38                          | 18.41                        |                        |             |
| 5                          | 64QAM      | 25      | 0         | 18.36                       | 18.41                          | 18.37                        |                        |             |
| 5                          | 256QAM     | 1       | 0         | 18.25                       | 18.33                          | 18.18                        | 19.5                   | 0           |
| 5                          | 256QAM     | 1       | 12        | 18.36                       | 18.33                          | 18.22                        |                        |             |
| 5                          | 256QAM     | 1       | 24        | 18.28                       | 18.35                          | 18.29                        |                        |             |
| 5                          | 256QAM     | 12      | 0         | 18.28                       | 18.23                          | 18.23                        | 19.5                   | 0           |
| 5                          | 256QAM     | 12      | 7         | 18.32                       | 18.24                          | 18.23                        |                        |             |
| 5                          | 256QAM     | 12      | 13        | 18.28                       | 18.26                          | 18.28                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.23                       | 18.25                          | 18.32                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel<br>Frequency (MHz) |            |         |           | 37775                       | 38000                          | 38225                        |                        |             |

### Reduced ENDC Power for State 3

| Band 4_Ant 1              |            |         |           |                        |                         |                           |                        |             |  |
|---------------------------|------------|---------|-----------|------------------------|-------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq. | Power High<br>Ch./Freq. | Power Middle<br>Ch./Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel 20176 20176 20176 |            |         |           |                        |                         |                           |                        |             |  |
| Frequency (MHz)           |            |         |           |                        |                         |                           |                        |             |  |
| 20                        | QPSK       | 1       | 0         | 19.52                  | 19.53                   | 19.50                     |                        |             |  |
| 20                        | QPSK       | 1       | 49        | 19.44                  | 19.42                   | 19.46                     | 20.5                   | 0           |  |
| 20                        | QPSK       | 1       | 99        | 19.36                  | 19.39                   | 19.43                     |                        |             |  |
| 20                        | QPSK       | 50      | 0         | 19.50                  | 19.51                   | 19.48                     |                        |             |  |
| 20                        | QPSK       | 50      | 24        | 19.43                  | 19.46                   | 19.45                     | 20.5                   | 0           |  |
| 20                        | QPSK       | 50      | 50        | 19.43                  | 19.39                   | 19.41                     |                        |             |  |
| 20                        | QPSK       | 100     | 0         | 19.46                  | 19.48                   | 19.45                     |                        |             |  |
| 20                        | 16QAM      | 1       | 0         | 19.37                  | 19.45                   | 19.41                     |                        |             |  |
| 20                        | 16QAM      | 1       | 49        | 19.44                  | 19.46                   | 19.38                     | 20.5                   | 0           |  |
| 20                        | 16QAM      | 1       | 99        | 19.44                  | 19.39                   | 19.34                     |                        |             |  |
| 20                        | 16QAM      | 50      | 0         | 19.41                  | 19.43                   | 19.43                     |                        |             |  |
| 20                        | 16QAM      | 50      | 24        | 19.44                  | 19.37                   | 19.37                     | 20.5                   | 0           |  |
| 20                        | 16QAM      | 50      | 50        | 19.45                  | 19.39                   | 19.35                     |                        |             |  |
| 20                        | 16QAM      | 100     | 0         | 19.38                  | 19.38                   | 19.38                     |                        |             |  |
| 20                        | 64QAM      | 1       | 0         | 19.42                  | 19.38                   | 19.39                     |                        |             |  |
| 20                        | 64QAM      | 1       | 49        | 19.39                  | 19.43                   | 19.39                     | 20.5                   | 0           |  |
| 20                        | 64QAM      | 1       | 99        | 19.38                  | 19.35                   | 19.35                     |                        |             |  |
| 20                        | 64QAM      | 50      | 0         | 19.38                  | 19.37                   | 19.42                     |                        |             |  |
| 20                        | 64QAM      | 50      | 24        | 19.43                  | 19.40                   | 19.34                     |                        |             |  |
| 20                        | 64QAM      | 50      | 50        | 19.36                  | 19.41                   | 19.41                     | 20.5                   | 0           |  |
| 20                        | 64QAM      | 100     | 0         | 19.45                  | 19.38                   | 19.37                     |                        |             |  |
| 20                        | 256QAM     | 1       | 0         | 18.85                  | 18.89                   | 18.90                     |                        |             |  |
| 20                        | 256QAM     | 1       | 49        | 18.82                  | 18.83                   | 18.86                     | 20                     | 0.5         |  |
| 20                        | 256QAM     | 1       | 99        | 18.88                  | 18.93                   | 18.87                     |                        |             |  |
| 20                        | 256QAM     | 50      | 0         | 18.85                  | 18.85                   | 18.89                     |                        |             |  |
| 20                        | 256QAM     | 50      | 24        | 18.92                  | 18.85                   | 18.85                     | 20                     | 0.5         |  |
| 20                        | 256QAM     | 50      | 50        | 18.93                  | 18.91                   | 18.89                     |                        |             |  |
| 20                        | 256QAM     | 100     | 0         | 18.90                  | 18.89                   | 18.89                     |                        |             |  |
| Channel 20176 20176 20176 |            |         |           |                        |                         |                           |                        |             |  |
| Frequency (MHz)           |            |         |           |                        |                         |                           |                        |             |  |
| 15                        | QPSK       | 1       | 0         | 19.38                  | 19.43                   | 19.43                     |                        |             |  |
| 15                        | QPSK       | 1       | 37        | 19.37                  | 19.45                   | 19.41                     | 20.5                   | 0           |  |
| 15                        | QPSK       | 1       | 74        | 19.35                  | 19.35                   | 19.33                     |                        |             |  |
| 15                        | QPSK       | 36      | 0         | 19.38                  | 19.35                   | 19.35                     |                        |             |  |
| 15                        | QPSK       | 36      | 20        | 19.40                  | 19.44                   | 19.34                     | 20.5                   | 0           |  |
| 15                        | QPSK       | 36      | 39        | 19.39                  | 19.40                   | 19.34                     |                        |             |  |
| 15                        | QPSK       | 72      | 0         | 19.34                  | 19.47                   | 19.40                     |                        |             |  |
| 15                        | 16QAM      | 1       | 0         | 19.34                  | 19.36                   | 19.36                     |                        |             |  |
| 15                        | 16QAM      | 1       | 37        | 19.39                  | 19.42                   | 19.36                     | 20.5                   | 0           |  |
| 15                        | 16QAM      | 1       | 74        | 19.36                  | 19.40                   | 19.35                     |                        |             |  |
| 15                        | 16QAM      | 36      | 0         | 19.41                  | 19.36                   | 19.35                     |                        |             |  |
| 15                        | 16QAM      | 36      | 20        | 19.44                  | 19.44                   | 19.34                     | 20.5                   | 0           |  |
| 15                        | 16QAM      | 36      | 39        | 19.41                  | 19.43                   | 19.33                     |                        |             |  |
| 15                        | 16QAM      | 72      | 0         | 19.36                  | 19.36                   | 19.38                     |                        |             |  |
| 15                        | 64QAM      | 1       | 0         | 19.35                  | 19.36                   | 19.39                     |                        |             |  |
| 15                        | 64QAM      | 1       | 37        | 19.35                  | 19.35                   | 19.34                     | 20.5                   | 0           |  |
| 15                        | 64QAM      | 1       | 74        | 19.34                  | 19.38                   | 19.41                     |                        |             |  |
| 15                        | 64QAM      | 36      | 0         | 19.36                  | 19.40                   | 19.36                     |                        |             |  |
| 15                        | 64QAM      | 36      | 20        | 19.40                  | 19.44                   | 19.42                     | 20.5                   | 0           |  |
| 15                        | 64QAM      | 36      | 39        | 19.45                  | 19.41                   | 19.32                     |                        |             |  |
| 15                        | 64QAM      | 72      | 0         | 19.34                  | 19.37                   | 19.33                     |                        |             |  |
| 15                        | 256QAM     | 1       | 0         | 18.71                  | 18.73                   | 18.77                     |                        |             |  |
| 15                        | 256QAM     | 1       | 37        | 18.69                  | 18.77                   | 18.70                     | 20                     | 0.5         |  |
| 15                        | 256QAM     | 1       | 74        | 18.83                  | 18.86                   | 18.79                     |                        |             |  |
| 15                        | 256QAM     | 36      | 0         | 18.79                  | 18.78                   | 18.74                     |                        |             |  |
| 15                        | 256QAM     | 36      | 20        | 18.87                  | 18.74                   | 18.75                     | 20                     | 0.5         |  |
| 15                        | 256QAM     | 36      | 39        | 18.79                  | 18.81                   | 18.81                     |                        |             |  |
| 15                        | 256QAM     | 72      | 0         | 18.80                  | 18.76                   | 18.81                     |                        |             |  |
| Channel 20176 20176 20176 |            |         |           |                        |                         |                           |                        |             |  |
| Frequency (MHz)           |            |         |           |                        |                         |                           |                        |             |  |
| 10                        | QPSK       | 1       | 0         | 19.40                  | 19.37                   | 19.43                     |                        |             |  |
| 10                        | QPSK       | 1       | 25        | 19.43                  | 19.40                   | 19.36                     | 20.5                   | 0           |  |
| 10                        | QPSK       | 49      | 0         | 19.40                  | 19.43                   | 19.33                     |                        |             |  |
| 10                        | QPSK       | 25      | 0         | 19.44                  | 19.45                   | 19.39                     |                        |             |  |
| 10                        | QPSK       | 25      | 12        | 19.42                  | 19.39                   | 19.41                     | 20.5                   | 0           |  |
| 10                        | QPSK       | 25      | 25        | 19.41                  | 19.40                   | 19.36                     |                        |             |  |
| 10                        | QPSK       | 50      | 0         | 19.41                  | 19.36                   | 19.32                     |                        |             |  |
| 10                        | 16QAM      | 1       | 0         | 19.38                  | 19.45                   | 19.34                     |                        |             |  |
| 10                        | 16QAM      | 1       | 25        | 19.34                  | 19.38                   | 19.38                     | 20.5                   | 0           |  |
| 10                        | 16QAM      | 1       | 49        | 19.38                  | 19.42                   | 19.40                     |                        |             |  |
| 10                        | 16QAM      | 25      | 0         | 19.40                  | 19.46                   | 19.36                     |                        |             |  |
| 10                        | 16QAM      | 25      | 12        | 19.35                  | 19.44                   | 19.41                     | 20.5                   | 0           |  |
| 10                        | 16QAM      | 25      | 25        | 19.44                  | 19.45                   | 19.35                     |                        |             |  |
| 10                        | 16QAM      | 50      | 0         | 19.37                  | 19.43                   | 19.33                     |                        |             |  |
| 10                        | 64QAM      | 1       | 0         | 19.42                  | 19.33                   | 19.42                     |                        |             |  |
| 10                        | 64QAM      | 1       | 25        | 19.38                  | 19.38                   | 19.36                     | 20.5                   | 0           |  |
| 10                        | 64QAM      | 49      | 0         | 19.43                  | 19.38                   | 19.38                     |                        |             |  |
| 10                        | 64QAM      | 25      | 0         | 19.35                  | 19.40                   | 19.34                     |                        |             |  |
| 10                        | 64QAM      | 25      | 12        | 19.38                  | 19.46                   | 19.42                     | 20.5                   | 0           |  |
| 10                        | 64QAM      | 25      | 25        | 19.44                  | 19.43                   | 19.41                     |                        |             |  |
| 10                        | 64QAM      | 50      | 0         | 19.34                  | 19.45                   | 19.33                     |                        |             |  |
| 10                        | 256QAM     | 1       | 0         | 18.76                  | 18.74                   | 18.82                     |                        |             |  |
| 10                        | 256QAM     | 1       | 25        | 18.67                  | 18.80                   | 18.78                     | 20                     | 0.5         |  |
| 10                        | 256QAM     | 1       | 49        | 18.76                  | 18.84                   | 18.78                     |                        |             |  |
| 10                        | 256QAM     | 25      | 0         | 18.69                  | 18.75                   | 18.79                     |                        |             |  |
| 10                        | 256QAM     | 25      | 12        | 18.87                  | 18.74                   | 18.75                     | 20                     | 0.5         |  |
| 10                        | 256QAM     | 25      | 25        | 18.84                  | 18.80                   | 18.84                     |                        |             |  |
| 10                        | 256QAM     | 50      | 0         | 18.78                  | 18.75                   | 18.77                     |                        |             |  |
| Channel 20176 20176 20176 |            |         |           |                        |                         |                           |                        |             |  |
| Frequency (MHz)           |            |         |           |                        |                         |                           |                        |             |  |
| 5                         | QPSK       | 1       | 0         | 19.42                  | 19.37                   | 19.42                     |                        |             |  |
| 5                         | QPSK       | 1       | 12        | 19.39                  | 19.37                   | 19.37                     | 20.5                   | 0           |  |
| 5                         | QPSK       | 1       | 24        | 19.34                  | 19.43                   | 19.43                     |                        |             |  |
| 5                         | QPSK       | 12      | 0         | 19.45                  | 19.46                   | 19.35                     |                        |             |  |
| 5                         | QPSK       | 12      | 12        | 19.38                  | 19.40                   | 19.40                     | 20.5                   | 0           |  |
| 5                         | QPSK       | 12      | 13        | 19.34                  | 19.42                   | 19.33                     |                        |             |  |
| 5                         | QPSK       | 29      | 0         | 19.39                  | 19.43                   | 19.38                     |                        |             |  |
| 5                         | 16QAM      | 1       | 0         | 19.42                  | 19.38                   | 19.41                     |                        |             |  |
| 5                         | 16QAM      | 1       | 12        | 19.42                  | 19.35                   | 19.42                     | 20.5                   | 0           |  |
| 5                         | 16QAM      | 1       | 24        | 19.44                  | 19.43                   | 19.40                     |                        |             |  |
| 5                         | 16QAM      | 12      | 0         | 19.45                  | 19.36                   | 19.32                     |                        |             |  |
| 5                         | 16QAM      | 12      | 7         | 19.38                  | 19.36                   | 19.41                     | 20.5                   | 0           |  |
| 5                         | 16QAM      | 12      | 13        | 19.35                  | 19.42                   | 19.42                     |                        |             |  |
| 5                         | 16QAM      | 25      | 0         | 19.41                  | 19.37                   | 19.41                     |                        |             |  |
| 5                         | 64QAM      | 1       | 0         | 19.34                  | 19.39                   | 19.32                     |                        |             |  |
| 5                         | 64QAM      | 1       | 12        | 19.36                  | 19.37                   | 19.37                     | 20.5                   | 0           |  |
| 5                         | 64QAM      | 1       | 24        | 19.43                  | 19.40                   | 19.36                     |                        |             |  |
| 5                         | 64QAM      | 12      | 0         | 19.40                  | 19.45                   | 19.34                     |                        |             |  |
| 5                         | 64QAM      | 12      | 7         | 19.45                  | 19.41                   | 19.45                     | 20.5                   | 0           |  |
| 5                         | 64QAM      | 12      | 13        | 19.45                  | 19.44                   | 19.34                     |                        |             |  |
| 5                         | 64QAM      | 25      | 0         | 19.38                  | 19.35                   | 19.32                     |                        |             |  |
| 5                         | 256QAM     | 1       | 0         | 18.60                  | 18.78                   | 18.74                     |                        |             |  |
| 5                         | 256QAM     | 1       | 12        | 18.67                  | 18.84                   | 18.73                     | 20                     | 0.5         |  |
| 5                         | 256QAM     | 1       | 24        | 18.73                  | 18.77                   | 18.75                     |                        |             |  |
| 5                         | 256QAM     | 12      | 0         | 18.70                  | 18.80                   | 18.74                     |                        |             |  |
| 5                         | 256QAM     | 12      | 7         | 18.85                  | 18.80                   | 18.80                     | 20                     | 0.5         |  |
| 5                         | 256QAM     | 12      | 13        | 18.86                  | 18.75                   | 18.75                     |                        |             |  |
| 5                         | 256QAM     | 25      | 0         | 18.75                  | 18.82                   | 18.82                     |                        |             |  |
| Channel 20176 20176 20176 |            |         |           |                        |                         |                           |                        |             |  |
| Frequency (MHz)           |            |         |           |                        |                         |                           |                        |             |  |
| 3                         | QPSK       | 1       | 0         | 19.34                  | 19.42                   | 19.42                     |                        |             |  |
| 3                         | QPSK       | 1       | 8         | 19.38                  | 19.36                   | 19.35                     | 20.5                   | 0           |  |
| 3                         | QPSK       | 14      | 0         | 19.34                  | 19.42                   | 19.42                     |                        |             |  |
| 3                         | QPSK       | 8       | 0         | 19.38                  | 19.45                   | 19.37                     |                        |             |  |
| 3                         | QPSK       | 8       | 7         | 19.39                  | 19.43                   | 19.36                     | 20.5                   | 0           |  |
| 3                         | QPSK       | 15      | 0         | 19.43                  | 19.35                   | 19.41                     |                        |             |  |
| 3                         | 16QAM      | 1       | 0         | 19.40                  | 19.41                   | 19.33                     |                        |             |  |
| 3                         | 16QAM      | 1       | 8         | 19.35                  | 19.45                   | 19.35                     | 20.5                   | 0           |  |
| 3                         | 16QAM      | 1       | 14        | 19.38                  | 19.46                   | 19.40                     |                        |             |  |
| 3                         | 16QAM      | 8       | 0         | 19.44                  | 19.37                   | 19.40                     | 20.5                   | 0           |  |
| 3                         | 16QAM      | 8       | 7         | 19.44                  | 19.40                   | 19.35                     |                        |             |  |
| 3                         | 16QAM      | 15      | 0         | 19.40                  | 19.43                   | 19.33                     |                        |             |  |
| 3                         | 64QAM      | 1       | 0         | 19.34                  | 19.41                   | 19.37                     |                        |             |  |
| 3                         | 64QAM      | 1       | 8         | 19.45                  | 19.48                   | 19.41                     | 20.5                   | 0           |  |
| 3                         | 64QAM      | 1       | 14        | 19.35                  | 19.46                   | 19.41                     |                        |             |  |
| 3                         | 64QAM      | 8       | 0         | 19.39                  | 19.35                   | 19.36                     | 20.5                   | 0           |  |
| 3                         | 64QAM      | 8       | 7         | 19.44                  | 19.37                   | 19.36                     |                        |             |  |
| 3                         | 64QAM      | 15      | 0         | 19.45                  | 19.36                   | 19.34                     |                        |             |  |
| 3                         | 256QAM     | 1       | 0         | 18.69                  | 18.80                   | 18.76                     |                        |             |  |
| 3                         | 256QAM     | 1       | 8         | 18.68                  | 18.87                   | 18.81                     | 20                     | 0.5         |  |
| 3                         | 256QAM     | 1       | 14        | 18.77                  | 18.87                   | 18.75                     |                        |             |  |
| 3                         | 256QAM     | 8       | 0         | 18.76                  | 18.71                   | 18.83                     |                        |             |  |
| 3                         | 256QAM     | 8       | 7         | 18.83                  | 18.72                   | 18.79                     | 20                     | 0.5         |  |
| 3                         | 256QAM     | 8       | 14        | 18.80                  | 18.75                   | 18.79                     |                        |             |  |
| 3                         | 256QAM     | 15      | 0         | 18.84                  | 18.81                   | 18.78                     |                        |             |  |
| Channel 20176 20176 20176 |            |         |           |                        |                         |                           |                        |             |  |
| Frequency (MHz)           |            |         |           |                        |                         |                           |                        |             |  |
| 1.4                       | QPSK       | 1       | 0         | 19.34                  | 19.42                   | 19.35                     |                        |             |  |
| 1.4                       | QPSK       | 1       | 3         | 19.34                  | 19.42                   | 19.42                     | 20.5                   | 0           |  |
| 1.4                       | QPSK       | 1       | 5         | 19.42                  | 19.43                   | 19.34                     |                        |             |  |
| 1.4                       | QPSK       | 3       | 0         | 19.39                  | 19.46                   | 19.36                     |                        |             |  |
| 1.4                       | QPSK       | 3       | 3         | 19.41                  | 19.43                   | 19.39                     |                        |             |  |
| 1.4                       | QPSK       | 3       | 3         | 19.41                  | 19.45                   | 19.38                     |                        |             |  |
| 1.4                       | QPSK       | 6       | 0         | 19.37                  | 19.48                   | 19.36                     | 20.5                   | 0           |  |
| 1.4                       | 16QAM      | 1       | 0         | 19.42                  | 19.42                   | 19.45                     |                        |             |  |
| 1.4                       | 16QAM      | 1       | 3         | 19.39                  | 19.48                   | 19.34                     |                        |             |  |
| 1.4                       | 16QAM      | 1       | 5         | 19.38                  | 19.48                   | 19.36                     | 20.5                   | 0           |  |
| 1.4                       | 16QAM      | 3       | 0         | 19.38                  | 19.43                   | 19.41                     |                        |             |  |
| 1.4                       | 16QAM      | 3       | 1         | 19.36                  | 19.41                   | 19.36                     |                        |             |  |
| 1.4                       | 16QAM      | 3       | 3         | 19.34                  | 19.39                   | 19.35                     |                        |             |  |
| 1.4                       | 16QAM      | 6       | 0         | 19.38                  | 19.43                   | 19.41                     | 20.5                   | 0           |  |
| 1.4                       | 64QAM      | 1       | 0         | 19.42                  | 19.39                   | 19.36                     |                        |             |  |
| 1.4                       | 64QAM      | 1       | 3         | 19.38                  | 19.37                   | 19.41                     |                        |             |  |
| 1.4                       | 64QAM      | 3       | 0         | 19.37                  | 19.38                   | 19.40                     | 20.5                   | 0           |  |
| 1.4                       | 64QAM      | 3       | 3         | 19.36                  | 19.37                   | 19.38                     |                        |             |  |
| 1.4                       | 64QAM      | 3       | 3         | 19.44                  | 19.38                   | 19.32                     | 20.5                   | 0           |  |
| 1.4                       | 2          |         |           |                        |                         |                           |                        |             |  |

| Band 5_Ant 0               |            |         |           |                                 |                                  |                                  |                        |             |  |
|----------------------------|------------|---------|-----------|---------------------------------|----------------------------------|----------------------------------|------------------------|-------------|--|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low<br>Ch./Freq.<br>20450 | Power High<br>Ch./Freq.<br>20625 | Power High<br>Ch./Freq.<br>20800 | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel<br>Frequency (MHz) |            |         |           |                                 |                                  |                                  |                        |             |  |
| 10                         | QPSK       | 1       | 0         | 23.98                           | 23.05                            | 24.03                            | 25                     | 0           |  |
| 10                         | QPSK       | 1       | 25        | 23.92                           | 23.94                            | 24.01                            |                        |             |  |
| 10                         | QPSK       | 25      | 0         | 22.92                           | 23.05                            | 23.03                            |                        |             |  |
| 10                         | QPSK       | 25      | 12        | 22.89                           | 22.96                            | 22.92                            | 24                     | 1           |  |
| 10                         | QPSK       | 25      | 22        | 22.88                           | 22.88                            | 23.02                            |                        |             |  |
| 10                         | QPSK       | 50      | 0         | 22.90                           | 23.05                            | 23.01                            |                        |             |  |
| 10                         | 16QAM      | 1       | 0         | 23.09                           | 23.41                            | 23.34                            | 24                     | 1           |  |
| 10                         | 16QAM      | 1       | 25        | 23.06                           | 23.15                            | 23.17                            |                        |             |  |
| 10                         | 16QAM      | 25      | 49        | 23.23                           | 23.10                            | 23.20                            |                        |             |  |
| 10                         | 16QAM      | 25      | 0         | 21.97                           | 21.96                            | 22.02                            | 23                     | 2           |  |
| 10                         | 16QAM      | 25      | 12        | 21.93                           | 21.97                            | 21.94                            |                        |             |  |
| 10                         | 16QAM      | 25      | 25        | 21.89                           | 21.89                            | 22.03                            |                        |             |  |
| 10                         | 16QAM      | 50      | 0         | 21.93                           | 21.87                            | 22.06                            | 23                     | 2           |  |
| 10                         | 64QAM      | 1       | 0         | 22.07                           | 22.13                            | 22.23                            |                        |             |  |
| 10                         | 64QAM      | 1       | 25        | 22.01                           | 22.16                            | 22.03                            |                        |             |  |
| 10                         | 64QAM      | 1       | 49        | 22.18                           | 22.08                            | 22.22                            | 22                     | 3           |  |
| 10                         | 64QAM      | 25      | 0         | 20.98                           | 20.93                            | 21.06                            |                        |             |  |
| 10                         | 64QAM      | 25      | 12        | 20.95                           | 20.98                            | 21.00                            |                        |             |  |
| 10                         | 64QAM      | 25      | 25        | 20.95                           | 20.91                            | 21.11                            | 20                     | 5           |  |
| 10                         | 64QAM      | 50      | 0         | 20.94                           | 20.92                            | 21.07                            |                        |             |  |
| 10                         | 256QAM     | 1       | 0         | 18.68                           | 18.84                            | 18.70                            |                        |             |  |
| 10                         | 256QAM     | 1       | 18        | 18.62                           | 18.73                            | 18.66                            | 20                     | 5           |  |
| 10                         | 256QAM     | 1       | 49        | 18.79                           | 18.58                            | 18.89                            |                        |             |  |
| 10                         | 256QAM     | 25      | 0         | 18.69                           | 18.83                            | 18.69                            |                        |             |  |
| 10                         | 256QAM     | 25      | 12        | 18.56                           | 18.65                            | 18.75                            | 20                     | 5           |  |
| 10                         | 256QAM     | 25      | 25        | 18.64                           | 18.63                            | 18.74                            |                        |             |  |
| 10                         | 256QAM     | 50      | 0         | 18.72                           | 18.80                            | 18.68                            |                        |             |  |
| Channel<br>Frequency (MHz) |            |         |           |                                 |                                  |                                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 5                          | QPSK       | 1       | 0         | 23.83                           | 23.88                            | 23.97                            | 25                     | 0           |  |
| 5                          | QPSK       | 1       | 12        | 23.82                           | 23.86                            | 23.85                            |                        |             |  |
| 5                          | QPSK       | 1       | 24        | 23.81                           | 23.90                            | 23.83                            |                        |             |  |
| 5                          | QPSK       | 12      | 0         | 22.81                           | 22.88                            | 22.93                            | 24                     | 1           |  |
| 5                          | QPSK       | 12      | 7         | 22.78                           | 22.79                            | 22.77                            |                        |             |  |
| 5                          | QPSK       | 12      | 13        | 22.73                           | 22.79                            | 22.86                            |                        |             |  |
| 5                          | QPSK       | 25      | 0         | 22.77                           | 22.89                            | 22.88                            | 24                     | 1           |  |
| 5                          | 16QAM      | 1       | 8         | 22.97                           | 23.17                            | 23.11                            |                        |             |  |
| 5                          | 16QAM      | 1       | 12        | 22.91                           | 23.00                            | 23.05                            |                        |             |  |
| 5                          | 16QAM      | 1       | 24        | 23.04                           | 22.99                            | 23.14                            | 23                     | 2           |  |
| 5                          | 16QAM      | 12      | 8         | 21.82                           | 21.74                            | 21.84                            |                        |             |  |
| 5                          | 16QAM      | 12      | 7         | 21.77                           | 21.91                            | 21.88                            |                        |             |  |
| 5                          | 16QAM      | 12      | 13        | 21.70                           | 21.80                            | 21.85                            | 23                     | 2           |  |
| 5                          | 64QAM      | 1       | 8         | 21.84                           | 21.81                            | 21.97                            |                        |             |  |
| 5                          | 64QAM      | 1       | 0         | 21.90                           | 21.97                            | 22.01                            |                        |             |  |
| 5                          | 64QAM      | 1       | 12        | 21.90                           | 22.07                            | 21.94                            | 22                     | 3           |  |
| 5                          | 64QAM      | 12      | 24        | 21.10                           | 21.92                            | 22.15                            |                        |             |  |
| 5                          | 64QAM      | 12      | 0         | 20.92                           | 20.81                            | 20.99                            |                        |             |  |
| 5                          | 64QAM      | 12      | 7         | 20.89                           | 20.81                            | 20.87                            | 20                     | 5           |  |
| 5                          | 64QAM      | 12      | 13        | 20.89                           | 20.84                            | 21.01                            |                        |             |  |
| 5                          | 64QAM      | 25      | 0         | 20.82                           | 20.79                            | 20.95                            |                        |             |  |
| 5                          | 256QAM     | 1       | 0         | 18.56                           | 18.67                            | 18.58                            | 20                     | 5           |  |
| 5                          | 256QAM     | 1       | 18        | 18.50                           | 18.65                            | 18.60                            |                        |             |  |
| 5                          | 256QAM     | 1       | 24        | 18.60                           | 18.80                            | 18.78                            |                        |             |  |
| 5                          | 256QAM     | 12      | 0         | 18.54                           | 18.69                            | 18.59                            | 20                     | 5           |  |
| 5                          | 256QAM     | 12      | 7         | 18.42                           | 18.55                            | 18.68                            |                        |             |  |
| 5                          | 256QAM     | 12      | 13        | 18.57                           | 18.68                            | 18.67                            |                        |             |  |
| 5                          | 256QAM     | 25      | 0         | 18.56                           | 18.65                            | 18.62                            |                        |             |  |
| Channel<br>Frequency (MHz) |            |         |           |                                 |                                  |                                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 3                          | QPSK       | 1       | 0         | 23.79                           | 23.89                            | 23.88                            | 25                     | 0           |  |
| 3                          | QPSK       | 1       | 14        | 23.78                           | 23.87                            | 23.86                            |                        |             |  |
| 3                          | QPSK       | 1       | 14        | 23.75                           | 23.93                            | 23.90                            |                        |             |  |
| 3                          | QPSK       | 8       | 0         | 22.80                           | 22.90                            | 22.87                            | 24                     | 1           |  |
| 3                          | QPSK       | 8       | 4         | 22.80                           | 22.78                            | 22.78                            |                        |             |  |
| 3                          | QPSK       | 8       | 7         | 22.79                           | 22.79                            | 22.79                            |                        |             |  |
| 3                          | QPSK       | 15      | 0         | 22.74                           | 22.93                            | 22.85                            | 24                     | 1           |  |
| 3                          | 16QAM      | 1       | 0         | 22.84                           | 23.31                            | 23.18                            |                        |             |  |
| 3                          | 16QAM      | 1       | 8         | 22.94                           | 22.98                            | 23.10                            |                        |             |  |
| 3                          | 16QAM      | 8       | 14        | 23.09                           | 23.02                            | 23.09                            | 23                     | 2           |  |
| 3                          | 16QAM      | 8       | 0         | 21.90                           | 21.84                            | 21.89                            |                        |             |  |
| 3                          | 16QAM      | 8       | 4         | 21.74                           | 21.83                            | 21.85                            |                        |             |  |
| 3                          | 16QAM      | 8       | 7         | 21.82                           | 21.77                            | 21.95                            | 22                     | 3           |  |
| 3                          | 64QAM      | 1       | 0         | 21.96                           | 22.01                            | 21.92                            |                        |             |  |
| 3                          | 64QAM      | 1       | 8         | 21.87                           | 21.94                            | 21.90                            |                        |             |  |
| 3                          | 64QAM      | 1       | 14        | 22.01                           | 21.90                            | 22.08                            | 20                     | 5           |  |
| 3                          | 64QAM      | 8       | 0         | 20.83                           | 20.78                            | 20.97                            |                        |             |  |
| 3                          | 64QAM      | 8       | 4         | 20.76                           | 20.82                            | 20.84                            |                        |             |  |
| 3                          | 64QAM      | 8       | 7         | 20.80                           | 20.77                            | 20.98                            | 24                     | 1           |  |
| 3                          | 64QAM      | 15      | 0         | 20.84                           | 20.78                            | 20.95                            |                        |             |  |
| 3                          | 256QAM     | 1       | 0         | 18.62                           | 18.73                            | 18.64                            |                        |             |  |
| 3                          | 256QAM     | 1       | 8         | 18.50                           | 18.72                            | 18.50                            | 20                     | 5           |  |
| 3                          | 256QAM     | 1       | 14        | 18.73                           | 18.87                            | 18.74                            |                        |             |  |
| 3                          | 256QAM     | 8       | 0         | 18.50                           | 18.70                            | 18.63                            |                        |             |  |
| 3                          | 256QAM     | 8       | 4         | 18.49                           | 18.67                            | 18.58                            | 20                     | 5           |  |
| 3                          | 256QAM     | 8       | 7         | 18.48                           | 18.74                            | 18.65                            |                        |             |  |
| 3                          | 256QAM     | 15      | 0         | 18.63                           | 18.70                            | 18.62                            |                        |             |  |
| Channel<br>Frequency (MHz) |            |         |           |                                 |                                  |                                  | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 1.4                        | QPSK       | 1       | 0         | 23.97                           | 20.525                           | 20.643                           | 25                     | 0           |  |
| 1.4                        | QPSK       | 1       | 3         | 23.91                           | 23.50                            | 23.53                            |                        |             |  |
| 1.4                        | QPSK       | 1       | 3         | 23.74                           | 23.81                            | 23.94                            |                        |             |  |
| 1.4                        | QPSK       | 1       | 5         | 23.75                           | 23.95                            | 23.89                            | 24                     | 1           |  |
| 1.4                        | QPSK       | 3       | 3         | 23.76                           | 23.83                            | 23.88                            |                        |             |  |
| 1.4                        | QPSK       | 3       | 1         | 23.81                           | 23.85                            | 23.76                            |                        |             |  |
| 1.4                        | QPSK       | 3       | 3         | 23.73                           | 23.77                            | 23.83                            | 23                     | 2           |  |
| 1.4                        | QPSK       | 8       | 0         | 22.80                           | 22.86                            | 22.83                            |                        |             |  |
| 1.4                        | 16QAM      | 1       | 0         | 23.02                           | 23.19                            | 23.18                            |                        |             |  |
| 1.4                        | 16QAM      | 1       | 3         | 23.00                           | 23.02                            | 22.99                            | 23                     | 2           |  |
| 1.4                        | 16QAM      | 1       | 5         | 23.12                           | 22.91                            | 23.13                            |                        |             |  |
| 1.4                        | 16QAM      | 3       | 0         | 22.91                           | 22.83                            | 22.83                            |                        |             |  |
| 1.4                        | 16QAM      | 3       | 1         | 22.84                           | 22.79                            | 22.81                            | 23                     | 2           |  |
| 1.4                        | 16QAM      | 3       | 3         | 22.77                           | 22.83                            | 22.82                            |                        |             |  |
| 1.4                        | 16QAM      | 6       | 0         | 21.84                           | 21.70                            | 21.97                            |                        |             |  |
| 1.4                        | 64QAM      | 1       | 0         | 21.92                           | 21.97                            | 22.01                            | 23                     | 2           |  |
| 1.4                        | 64QAM      | 1       | 3         | 21.86                           | 21.98                            | 21.92                            |                        |             |  |
| 1.4                        | 64QAM      | 3       | 5         | 22.05                           | 21.97                            | 22.16                            |                        |             |  |
| 1.4                        | 64QAM      | 3       | 0         | 21.87                           | 21.86                            | 21.92                            | 23                     | 2           |  |
| 1.4                        | 64QAM      | 3       | 1         | 21.79                           | 21.90                            | 21.83                            |                        |             |  |
| 1.4                        | 64QAM      | 3       | 3         | 21.89                           | 21.81                            | 21.93                            |                        |             |  |
| 1.4                        | 64QAM      | 8       | 0         | 20.75                           | 20.81                            | 21.01                            | 22                     | 3           |  |
| 1.4                        | 256QAM     | 1       | 3         | 18.52                           | 18.28                            | 18.23                            |                        |             |  |
| 1.4                        | 256QAM     | 1       | 3         | 18.54                           | 18.95                            | 18.51                            |                        |             |  |
| 1.4                        | 256QAM     | 1       | 5         | 18.65                           | 18.85                            | 18.71                            | 20                     | 5           |  |
| 1.4                        | 256QAM     | 3       | 3         | 18.57                           | 18.25                            | 18.25                            |                        |             |  |
| 1.4                        | 256QAM     | 3       | 1         | 18.45                           | 18.98                            | 18.53                            |                        |             |  |
| 1.4                        | 256QAM     | 3       | 3         | 18.56                           | 18.71                            | 18.61                            | 20                     | 5           |  |
| 1.4                        | 256QAM     | 3       | 5         | 18.59                           | 18.72                            | 18.61                            |                        |             |  |
| 1.4                        | 256QAM     | 3       | 1         | 18.45                           | 18.98                            | 18.53                            |                        |             |  |

Band 7\_Ant 1

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>20850 | Power Middle<br>Ch. / Freq.<br>21100 | Power High<br>Ch. / Freq.<br>21350 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 20              | QPSK       | 1       | 0         | 2510                              | 2535                                 | 2560                               |                        |             |
| 20              | QPSK       | 1       | 49        | 7.88                              | 7.88                                 | 7.97                               | 9                      | 0           |
| 20              | QPSK       | 1       | 99        | 7.85                              | 7.91                                 | 7.90                               |                        |             |
| 20              | QPSK       | 50      | 0         | 7.92                              | 7.95                                 | 8.00                               |                        |             |
| 20              | QPSK       | 50      | 24        | 7.98                              | 7.94                                 | 7.91                               | 9                      | 0           |
| 20              | QPSK       | 50      | 50        | 7.90                              | 7.94                                 | 7.90                               |                        |             |
| 20              | QPSK       | 100     | 0         | 7.97                              | 7.93                                 | 7.89                               |                        |             |
| 20              | 16QAM      | 1       | 0         | 7.98                              | 7.95                                 | 7.98                               |                        |             |
| 20              | 16QAM      | 1       | 49        | 7.87                              | 7.95                                 | 7.89                               | 9                      | 0           |
| 20              | 16QAM      | 1       | 99        | 7.95                              | 7.95                                 | 7.97                               |                        |             |
| 20              | 16QAM      | 50      | 0         | 7.98                              | 7.87                                 | 7.88                               |                        |             |
| 20              | 16QAM      | 50      | 24        | 7.97                              | 7.88                                 | 7.85                               | 9                      | 0           |
| 20              | 16QAM      | 50      | 50        | 7.88                              | 7.90                                 | 7.88                               |                        |             |
| 20              | 16QAM      | 100     | 0         | 7.92                              | 7.85                                 | 7.88                               |                        |             |
| 20              | 64QAM      | 1       | 0         | 7.85                              | 7.94                                 | 7.97                               |                        |             |
| 20              | 64QAM      | 1       | 49        | 7.95                              | 7.91                                 | 7.90                               | 9                      | 0           |
| 20              | 64QAM      | 1       | 99        | 7.88                              | 7.91                                 | 7.88                               |                        |             |
| 20              | 64QAM      | 50      | 0         | 7.86                              | 7.94                                 | 7.94                               |                        |             |
| 20              | 64QAM      | 50      | 24        | 7.90                              | 7.86                                 | 7.90                               | 9                      | 0           |
| 20              | 64QAM      | 50      | 50        | 7.90                              | 7.86                                 | 7.87                               |                        |             |
| 20              | 64QAM      | 100     | 0         | 7.91                              | 7.90                                 | 7.94                               |                        |             |
| 20              | 256QAM     | 1       | 0         | 7.92                              | 7.90                                 | 7.96                               |                        |             |
| 20              | 256QAM     | 1       | 49        | 7.91                              | 7.86                                 | 7.93                               | 9                      | 0           |
| 20              | 256QAM     | 1       | 99        | 7.93                              | 7.89                                 | 7.93                               |                        |             |
| 20              | 256QAM     | 50      | 0         | 7.96                              | 7.98                                 | 7.91                               |                        |             |
| 20              | 256QAM     | 50      | 24        | 7.97                              | 7.97                                 | 7.87                               | 9                      | 0           |
| 20              | 256QAM     | 50      | 50        | 7.90                              | 7.88                                 | 7.96                               |                        |             |
| 20              | 256QAM     | 100     | 0         | 7.95                              | 7.91                                 | 7.98                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 15              | QPSK       | 1       | 0         | 20845                             | 21100                                | 21375                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 37        | 7.93                              | 7.93                                 | 7.97                               | 9                      | 0           |
| 15              | QPSK       | 1       | 74        | 7.95                              | 7.95                                 | 7.94                               |                        |             |
| 15              | QPSK       | 36      | 0         | 7.88                              | 7.91                                 | 7.88                               |                        |             |
| 15              | QPSK       | 36      | 20        | 7.86                              | 7.94                                 | 7.87                               | 9                      | 0           |
| 15              | QPSK       | 36      | 39        | 7.88                              | 7.91                                 | 7.86                               |                        |             |
| 15              | QPSK       | 75      | 0         | 7.86                              | 7.87                                 | 7.96                               |                        |             |
| 15              | 16QAM      | 1       | 0         | 7.96                              | 7.96                                 | 7.97                               |                        |             |
| 15              | 16QAM      | 1       | 37        | 7.97                              | 7.94                                 | 7.92                               | 9                      | 0           |
| 15              | 16QAM      | 1       | 74        | 7.97                              | 7.90                                 | 7.96                               |                        |             |
| 15              | 16QAM      | 36      | 0         | 7.98                              | 7.93                                 | 7.90                               |                        |             |
| 15              | 16QAM      | 36      | 20        | 7.98                              | 7.98                                 | 7.95                               | 9                      | 0           |
| 15              | 16QAM      | 36      | 39        | 7.87                              | 7.90                                 | 7.93                               |                        |             |
| 15              | 16QAM      | 75      | 0         | 7.88                              | 7.94                                 | 7.94                               |                        |             |
| 15              | 64QAM      | 1       | 0         | 7.91                              | 7.91                                 | 7.96                               |                        |             |
| 15              | 64QAM      | 1       | 37        | 7.95                              | 7.85                                 | 7.92                               | 9                      | 0           |
| 15              | 64QAM      | 1       | 74        | 7.88                              | 7.87                                 | 7.95                               |                        |             |
| 15              | 64QAM      | 36      | 0         | 7.96                              | 7.94                                 | 7.96                               |                        |             |
| 15              | 64QAM      | 36      | 20        | 7.90                              | 7.97                                 | 7.97                               | 9                      | 0           |
| 15              | 64QAM      | 36      | 39        | 7.96                              | 7.92                                 | 7.89                               |                        |             |
| 15              | 64QAM      | 75      | 0         | 7.98                              | 7.98                                 | 7.91                               |                        |             |
| 15              | 256QAM     | 1       | 0         | 7.95                              | 7.95                                 | 7.87                               |                        |             |
| 15              | 256QAM     | 1       | 37        | 7.94                              | 7.88                                 | 7.87                               | 9                      | 0           |
| 15              | 256QAM     | 1       | 74        | 7.90                              | 7.88                                 | 7.96                               |                        |             |
| 15              | 256QAM     | 36      | 0         | 7.95                              | 7.94                                 | 7.87                               |                        |             |
| 15              | 256QAM     | 36      | 20        | 7.94                              | 7.92                                 | 7.92                               | 9                      | 0           |
| 15              | 256QAM     | 36      | 39        | 7.86                              | 7.95                                 | 7.98                               |                        |             |
| 15              | 256QAM     | 75      | 0         | 7.89                              | 7.96                                 | 7.91                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 10              | QPSK       | 1       | 0         | 20775                             | 21100                                | 21400                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 25        | 7.92                              | 7.88                                 | 7.90                               | 9                      | 0           |
| 10              | QPSK       | 1       | 49        | 7.92                              | 7.95                                 | 7.97                               |                        |             |
| 10              | QPSK       | 25      | 0         | 7.90                              | 7.89                                 | 7.88                               |                        |             |
| 10              | QPSK       | 25      | 12        | 7.97                              | 7.94                                 | 7.96                               | 9                      | 0           |
| 10              | QPSK       | 25      | 25        | 7.95                              | 7.88                                 | 7.96                               |                        |             |
| 10              | QPSK       | 50      | 0         | 7.92                              | 7.96                                 | 7.92                               |                        |             |
| 10              | 16QAM      | 1       | 0         | 7.94                              | 7.85                                 | 7.91                               |                        |             |
| 10              | 16QAM      | 1       | 25        | 7.89                              | 7.91                                 | 7.98                               | 9                      | 0           |
| 10              | 16QAM      | 1       | 49        | 7.85                              | 7.98                                 | 7.92                               |                        |             |
| 10              | 16QAM      | 25      | 0         | 7.90                              | 7.88                                 | 7.85                               |                        |             |
| 10              | 16QAM      | 25      | 12        | 7.89                              | 7.88                                 | 7.92                               | 9                      | 0           |
| 10              | 16QAM      | 25      | 25        | 7.85                              | 7.87                                 | 7.95                               |                        |             |
| 10              | 16QAM      | 50      | 0         | 7.97                              | 7.88                                 | 7.85                               |                        |             |
| 10              | 64QAM      | 1       | 0         | 7.87                              | 7.91                                 | 7.89                               |                        |             |
| 10              | 64QAM      | 1       | 25        | 7.95                              | 7.97                                 | 7.93                               | 9                      | 0           |
| 10              | 64QAM      | 1       | 49        | 7.93                              | 7.95                                 | 7.89                               |                        |             |
| 10              | 64QAM      | 25      | 0         | 7.91                              | 7.85                                 | 7.94                               |                        |             |
| 10              | 64QAM      | 25      | 12        | 7.96                              | 7.89                                 | 7.91                               | 9                      | 0           |
| 10              | 64QAM      | 25      | 25        | 7.89                              | 7.87                                 | 7.98                               |                        |             |
| 10              | 64QAM      | 50      | 0         | 7.95                              | 7.85                                 | 7.94                               |                        |             |
| 10              | 256QAM     | 1       | 0         | 7.94                              | 7.85                                 | 7.97                               |                        |             |
| 10              | 256QAM     | 1       | 25        | 7.92                              | 7.96                                 | 7.96                               | 9                      | 0           |
| 10              | 256QAM     | 1       | 49        | 7.94                              | 7.97                                 | 7.97                               |                        |             |
| 10              | 256QAM     | 25      | 0         | 7.86                              | 7.88                                 | 7.88                               |                        |             |
| 10              | 256QAM     | 25      | 12        | 7.98                              | 7.94                                 | 7.93                               | 9                      | 0           |
| 10              | 256QAM     | 25      | 25        | 7.87                              | 7.97                                 | 7.95                               |                        |             |
| 10              | 256QAM     | 50      | 0         | 7.87                              | 7.87                                 | 7.95                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 5               | QPSK       | 1       | 0         | 20925                             | 20935                                | 20975.5                            | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0         | 7.88                              | 7.91                                 | 7.95                               | 9                      | 0           |
| 5               | QPSK       | 1       | 12        | 7.86                              | 7.95                                 | 7.96                               |                        |             |
| 5               | QPSK       | 1       | 24        | 7.94                              | 7.95                                 | 7.87                               |                        |             |
| 5               | QPSK       | 12      | 0         | 7.86                              | 7.88                                 | 7.90                               |                        |             |
| 5               | QPSK       | 12      | 6         | 7.95                              | 7.89                                 | 7.96                               | 9                      | 0           |
| 5               | QPSK       | 12      | 13        | 7.89                              | 7.90                                 | 7.92                               |                        |             |
| 5               | QPSK       | 25      | 0         | 7.92                              | 7.87                                 | 7.85                               |                        |             |
| 5               | 16QAM      | 1       | 0         | 7.89                              | 7.98                                 | 7.90                               |                        |             |
| 5               | 16QAM      | 1       | 12        | 7.89                              | 7.90                                 | 7.92                               | 9                      | 0           |
| 5               | 16QAM      | 1       | 24        | 7.90                              | 7.97                                 | 7.91                               |                        |             |
| 5               | 16QAM      | 12      | 0         | 7.85                              | 7.95                                 | 7.96                               |                        |             |
| 5               | 16QAM      | 12      | 7         | 7.94                              | 7.94                                 | 7.88                               | 9                      | 0           |
| 5               | 16QAM      | 12      | 13        | 7.92                              | 7.94                                 | 7.90                               |                        |             |
| 5               | 16QAM      | 25      | 0         | 7.95                              | 7.89                                 | 7.95                               |                        |             |
| 5               | 64QAM      | 1       | 0         | 7.95                              | 7.86                                 | 7.90                               |                        |             |
| 5               | 64QAM      | 1       | 12        | 7.86                              | 7.94                                 | 7.87                               | 9                      | 0           |
| 5               | 64QAM      | 1       | 24        | 7.90                              | 7.95                                 | 7.95                               |                        |             |
| 5               | 64QAM      | 12      | 0         | 7.89                              | 7.97                                 | 7.93                               |                        |             |
| 5               | 64QAM      | 12      | 7         | 7.97                              | 7.86                                 | 7.89                               | 9                      | 0           |
| 5               | 64QAM      | 12      | 13        | 7.93                              | 7.85                                 | 7.97                               |                        |             |
| 5               | 64QAM      | 25      | 0         | 7.87                              | 7.98                                 | 7.91                               |                        |             |
| 5               | 256QAM     | 1       | 0         | 7.89                              | 7.86                                 | 7.92                               |                        |             |
| 5               | 256QAM     | 1       | 12        | 7.92                              | 7.85                                 | 7.95                               | 9                      | 0           |
| 5               | 256QAM     | 1       | 24        | 7.93                              | 7.88                                 | 7.98                               |                        |             |
| 5               | 256QAM     | 12      | 0         | 7.96                              | 7.97                                 | 7.95                               |                        |             |
| 5               | 256QAM     | 12      | 7         | 7.93                              | 7.91                                 | 7.92                               | 9                      | 0           |
| 5               | 256QAM     | 12      | 13        | 7.85                              | 7.88                                 | 7.93                               |                        |             |
| 5               | 256QAM     | 25      | 0         | 7.95                              | 7.95                                 | 7.98                               |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>13070 | Power Middle<br>Ch. / Freq.<br>13272 | Power High<br>Ch. / Freq.<br>13572 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 20              | QPSK       | 1       | 1         | 1720                              | 1745                                 | 1770                               |                        |             |
| 20              | QPSK       | 1       | 49        | 19.81                             | 19.92                                | 19.98                              | 20.5                   | 0           |
| 20              | QPSK       | 1       | 99        | 19.84                             | 19.57                                | 19.44                              |                        |             |
| 20              | QPSK       | 50      | 0         | 19.88                             | 19.60                                | 19.57                              |                        |             |
| 20              | QPSK       | 50      | 24        | 19.48                             | 19.48                                | 19.48                              | 20.5                   | 0           |
| 20              | QPSK       | 50      | 50        | 19.51                             | 19.44                                | 19.45                              |                        |             |
| 20              | QPSK       | 100     | 0         | 19.55                             | 19.57                                | 19.53                              |                        |             |
| 20              | 16QAM      | 1       | 0         | 19.47                             | 19.49                                | 19.43                              |                        |             |
| 20              | 16QAM      | 1       | 49        | 19.48                             | 19.53                                | 19.49                              | 20.5                   | 0           |
| 20              | 16QAM      | 1       | 99        | 19.47                             | 19.47                                | 19.47                              |                        |             |
| 20              | 16QAM      | 50      | 0         | 19.49                             | 19.54                                | 19.51                              |                        |             |
| 20              | 16QAM      | 50      | 24        | 19.42                             | 19.52                                | 19.44                              | 20.5                   | 0           |
| 20              | 16QAM      | 50      | 50        | 19.47                             | 19.44                                | 19.42                              |                        |             |
| 20              | 16QAM      | 100     | 0         | 19.49                             | 19.43                                | 19.45                              |                        |             |
| 20              | 64QAM      | 1       | 0         | 19.51                             | 19.47                                | 19.48                              |                        |             |
| 20              | 64QAM      | 1       | 49        | 19.45                             | 19.49                                | 19.42                              | 20.5                   | 0           |
| 20              | 64QAM      | 1       | 99        | 19.02                             | 19.96                                | 19.91                              |                        |             |
| 20              | 64QAM      | 50      | 0         | 19.07                             | 19.01                                | 19.94                              |                        |             |
| 20              | 64QAM      | 50      | 24        | 19.03                             | 18.95                                | 18.95                              | 20                     | 0.5         |
| 20              | 64QAM      | 50      | 50        | 18.96                             | 19.05                                | 18.99                              |                        |             |
| 20              | 256QAM     | 100     | 0         | 18.98                             | 19.09                                | 19.00                              |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 15              | QPSK       | 1       | 0         | 13047                             | 13232                                | 13297                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 37        | 13.92                             | 13.91                                | 13.95                              | 20.5                   | 0           |
| 15              | QPSK       | 1       | 74        | 19.52                             | 19.52                                | 19.50                              |                        |             |
| 15              | QPSK       | 36      | 0         | 19.46                             | 19.51                                | 19.48                              |                        |             |
| 15              | QPSK       | 36      | 20        | 19.52                             | 19.53                                | 19.44                              | 20.5                   | 0           |
| 15              | QPSK       | 36      | 39        | 19.46                             | 19.47                                | 19.51                              |                        |             |
| 15              | QPSK       | 75      | 0         | 19.51                             | 19.55                                | 19.52                              |                        |             |
| 15              | 16QAM      | 1       | 0         | 19.44                             | 19.48                                | 19.48                              | 20.5                   | 0           |
| 15              | 16QAM      | 1       | 37        | 19.48                             | 19.49                                | 19.41                              |                        |             |
| 15              | 16QAM      | 1       | 74        | 19.45                             | 19.41                                | 19.41                              |                        |             |
| 15              | 16QAM      | 36      | 0         | 19.47                             | 19.49                                | 19.45                              |                        |             |
| 15              | 16QAM      | 36      | 20        | 19.47                             | 19.45                                | 19.47                              | 20.5                   | 0           |
| 15              | 16QAM      | 36      | 39        | 19.46                             | 19.50                                | 19.52                              |                        |             |
| 15              | 16QAM      | 75      | 0         | 19.43                             | 19.50                                | 19.46                              |                        |             |
| 15              | 64QAM      | 1       | 0         | 19.42                             | 19.55                                | 19.47                              |                        |             |
| 15              | 64QAM      | 1       | 37        | 19.48                             | 19.44                                | 19.44                              | 20.5                   | 0           |
| 15              | 64QAM      | 1       | 74        | 19.44                             | 19.45                                | 19.45                              |                        |             |
| 15              | 64QAM      | 36      | 0         | 19.43                             | 19.55                                | 19.44                              |                        |             |
| 15              | 64QAM      | 36      | 20        | 19.53                             | 19.45                                | 19.45                              | 20.5                   | 0           |
| 15              | 64QAM      | 36      | 39        | 19.50                             | 19.44                                | 19.48                              |                        |             |
| 15              | 64QAM      | 75      | 0         | 19.46                             | 19.48                                | 19.51                              |                        |             |
| 15              |            |         |           |                                   |                                      |                                    |                        |             |

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| BW (MHz)                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq.                                                       | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm)      | MPR<br>(dB) |   |
|----------------------------|------------|---------|-----------|-----------------------------------------------------------------------------------|--------------------------------|------------------------------|-----------------------------|-------------|---|
| Channel<br>Frequency (MHz) |            |         |           | 2580                                                                              | 38000                          | 2610                         |                             |             |   |
| 20                         | QPSK       | 1       | 0         | 2032                                                                              | 2033                           | 2030                         | 21.5                        | 0           |   |
| 20                         | QPSK       | 1       | 46        | 2038                                                                              | 2048                           | 2045                         |                             |             |   |
| 20                         | QPSK       | 1       | 89        | 2037                                                                              | 2037                           | 2041                         |                             |             |   |
| 20                         | QPSK       | 50      | 0         | 2030                                                                              | 2031                           | 2048                         |                             |             |   |
| 20                         | QPSK       | 50      | 24        | 2036                                                                              | 2043                           | 2038                         | 21.5                        | 0           |   |
| 20                         | QPSK       | 50      | 50        | 2041                                                                              | 2041                           | 2039                         |                             |             |   |
| 20                         | QPSK       | 100     | 0         | 2048                                                                              | 2030                           | 2047                         |                             |             |   |
| 20                         | 16QAM      | 1       | 0         | 2037                                                                              | 2045                           | 2039                         |                             |             |   |
| 20                         | 16QAM      | 1       | 46        | 2045                                                                              | 2043                           | 2036                         | 21.5                        | 0           |   |
| 20                         | 16QAM      | 1       | 89        | 2044                                                                              | 2038                           | 2042                         |                             |             |   |
| 20                         | 16QAM      | 50      | 0         | 2039                                                                              | 2045                           | 2034                         |                             |             |   |
| 20                         | 16QAM      | 50      | 24        | 2041                                                                              | 2044                           | 2038                         |                             |             |   |
| 20                         | 16QAM      | 50      | 50        | 2034                                                                              | 2039                           | 2042                         | 21.5                        | 0           |   |
| 20                         | 16QAM      | 100     | 0         | 2041                                                                              | 2038                           | 2036                         |                             |             |   |
| 20                         | 64QAM      | 1       | 0         | 2038                                                                              | 2045                           | 2034                         |                             |             |   |
| 20                         | 64QAM      | 1       | 46        | 2044                                                                              | 2042                           | 2039                         |                             | 21.5        | 0 |
| 20                         | 64QAM      | 1       | 89        | 2037                                                                              | 2040                           | 2037                         |                             |             |   |
| 20                         | 64QAM      | 50      | 0         | 2044                                                                              | 2041                           | 2039                         |                             |             |   |
| 20                         | 64QAM      | 50      | 24        | 2045                                                                              | 2037                           | 2037                         |                             | 21.5        | 0 |
| 20                         | 64QAM      | 50      | 50        | 2040                                                                              | 2039                           | 2038                         |                             |             |   |
| 20                         | 64QAM      | 100     | 0         | 2040                                                                              | 2037                           | 2035                         |                             |             |   |
| 20                         | 256QAM     | 1       | 0         | 1835                                                                              | 1842                           | 1833                         | 19.5                        | 2           |   |
| 20                         | 256QAM     | 1       | 46        | 1842                                                                              | 1839                           | 1833                         |                             |             |   |
| 20                         | 256QAM     | 1       | 89        | 1843                                                                              | 1847                           | 1839                         |                             |             |   |
| 20                         | 256QAM     | 50      | 0         | 1841                                                                              | 1838                           | 1839                         |                             | 19.5        | 2 |
| 20                         | 256QAM     | 50      | 24        | 1837                                                                              | 1838                           | 1839                         |                             |             |   |
| 20                         | 256QAM     | 50      | 50        | 1835                                                                              | 1842                           | 1837                         |                             |             |   |
| 20                         | 256QAM     | 100     | 0         | 1839                                                                              | 1841                           | 1843                         |                             |             |   |
| Channel<br>Frequency (MHz) |            |         |           | 37650                                                                             | 38000                          | 38175                        | Tune-up limit<br>(dBm)      | MPR<br>(dB) |   |
|                            |            |         |           | 2577.5                                                                            | 2586                           | 2612.5                       | 21.5 <th rowspan="2">0</th> | 0           |   |
|                            |            |         |           | 2036                                                                              | 2045                           | 2041                         |                             |             |   |
| 15                         | QPSK       | 1       | 0         | 2036 <th>2045</th> <th>2041</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2045                           | 2041                         | 21.5                        | 0           |   |
| 15                         | QPSK       | 1       | 37        | 2043 <th>2048</th> <th>2039</th>                                                  | 2048                           | 2039                         |                             |             |   |
| 15                         | QPSK       | 1       | 74        | 2035 <th>2041</th> <th>2040</th>                                                  | 2041                           | 2040                         |                             |             |   |
| 15                         | QPSK       | 36      | 0         | 2042 <th>2045</th> <th>2035</th>                                                  | 2045                           | 2035                         |                             |             |   |
| 15                         | QPSK       | 36      | 20        | 2042 <th>2044</th> <th>2042</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2044                           | 2042                         | 21.5                        | 0           |   |
| 15                         | QPSK       | 36      | 36        | 2035 <th>2040</th> <th>2036</th>                                                  | 2040                           | 2036                         |                             |             |   |
| 15                         | QPSK       | 75      | 0         | 2044 <th>2037</th> <th>2038</th>                                                  | 2037                           | 2038                         |                             |             |   |
| 15                         | 16QAM      | 1       | 0         | 2039 <th>2037</th> <th>2036</th>                                                  | 2037                           | 2036                         |                             |             |   |
| 15                         | 16QAM      | 1       | 37        | 2038 <th>2040</th> <th>2039</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2040                           | 2039                         | 21.5                        | 0           |   |
| 15                         | 16QAM      | 1       | 74        | 2038 <th>2041</th> <th>2034</th>                                                  | 2041                           | 2034                         |                             |             |   |
| 15                         | 16QAM      | 36      | 0         | 2037 <th>2048</th> <th>2040</th>                                                  | 2048                           | 2040                         |                             |             |   |
| 15                         | 16QAM      | 36      | 20        | 2035                                                                              | 2042                           | 2040                         |                             |             |   |
| 15                         | 16QAM      | 36      | 36        | 2042 <th>2036</th> <th>2032</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2036                           | 2032                         | 21.5                        | 0           |   |
| 15                         | 16QAM      | 75      | 0         | 2044 <th>2045</th> <th>2038</th>                                                  | 2045                           | 2038                         |                             |             |   |
| 15                         | 64QAM      | 1       | 0         | 2043 <th>2038</th> <th>2042</th>                                                  | 2038                           | 2042                         |                             |             |   |
| 15                         | 64QAM      | 1       | 37        | 2039 <th>2042</th> <th>2040</th>                                                  | 2042                           | 2040                         |                             |             |   |
| 15                         | 64QAM      | 1       | 74        | 2038 <th>2041</th> <th>2043</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2041                           | 2043                         | 21.5                        | 0           |   |
| 15                         | 64QAM      | 36      | 0         | 2029                                                                              | 2035                           | 2024                         |                             |             |   |
| 15                         | 64QAM      | 36      | 20        | 2037 <th>2028</th> <th>2027</th>                                                  | 2028                           | 2027                         |                             |             |   |
| 15                         | 64QAM      | 36      | 36        | 2035 <th>2033</th> <th>2026</th>                                                  | 2033                           | 2026                         |                             |             |   |
| 15                         | 64QAM      | 75      | 0         | 2034 <th>2026</th> <th>2021</th> <td rowspan="7">19.5</td> <td rowspan="3">2</td> | 2026                           | 2021                         | 19.5                        | 2           |   |
| 15                         | 256QAM     | 1       | 0         | 1824 <th>1829</th> <th>1828</th>                                                  | 1829                           | 1828                         |                             |             |   |
| 15                         | 256QAM     | 1       | 37        | 1835 <th>1823</th> <th>1818</th>                                                  | 1823                           | 1818                         |                             |             |   |
| 15                         | 256QAM     | 1       | 74        | 1835 <th>1837</th> <th>1828</th> <td rowspan="4">19.5</td> <td rowspan="4">2</td> | 1837                           | 1828                         |                             | 19.5        | 2 |
| 15                         | 256QAM     | 36      | 0         | 1828 <th>1830</th> <th>1831</th>                                                  | 1830                           | 1831                         |                             |             |   |
| 15                         | 256QAM     | 36      | 20        | 1832 <th>1833</th> <th>1828</th>                                                  | 1833                           | 1828                         |                             |             |   |
| 15                         | 256QAM     | 36      | 36        | 1832 <th>1830</th> <th>1828</th>                                                  | 1830                           | 1828                         |                             |             |   |
| 15                         | 256QAM     | 75      | 0         | 1834 <th>1835</th> <th>1837</th>                                                  | 1835                           | 1837                         |                             |             |   |
| Channel<br>Frequency (MHz) |            |         |           | 37650                                                                             | 38000                          | 38225                        | Tune-up limit<br>(dBm)      | MPR<br>(dB) |   |
|                            |            |         |           | 2575                                                                              | 2586                           | 2615                         | 21.5 <th rowspan="2">0</th> | 0           |   |
|                            |            |         |           | 2045                                                                              | 2038                           | 2037                         |                             |             |   |
| 10                         | QPSK       | 1       | 0         | 2045 <th>2038</th> <th>2037</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2038                           | 2037                         | 21.5                        | 0           |   |
| 10                         | QPSK       | 1       | 25        | 2037 <th>2041</th> <th>2041</th>                                                  | 2041                           | 2041                         |                             |             |   |
| 10                         | QPSK       | 1       | 49        | 2035 <th>2048</th> <th>2035</th>                                                  | 2048                           | 2035                         |                             |             |   |
| 10                         | QPSK       | 25      | 0         | 2044 <th>2045</th> <th>2042</th>                                                  | 2045                           | 2042                         |                             |             |   |
| 10                         | QPSK       | 25      | 12        | 2039 <th>2036</th> <th>2042</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2036                           | 2042                         | 21.5                        | 0           |   |
| 10                         | QPSK       | 25      | 25        | 2045 <th>2043</th> <th>2032</th>                                                  | 2043                           | 2032                         |                             |             |   |
| 10                         | QPSK       | 50      | 0         | 2043 <th>2045</th> <th>2032</th>                                                  | 2045                           | 2032                         |                             |             |   |
| 10                         | 16QAM      | 1       | 0         | 2034 <th>2039</th> <th>2037</th>                                                  | 2039                           | 2037                         |                             |             |   |
| 10                         | 16QAM      | 1       | 25        | 2039 <th>2038</th> <th>2041</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2038                           | 2041                         | 21.5                        | 0           |   |
| 10                         | 16QAM      | 1       | 49        | 2044 <th>2035</th> <th>2038</th>                                                  | 2035                           | 2038                         |                             |             |   |
| 10                         | 16QAM      | 25      | 0         | 2038 <th>2044</th> <th>2039</th>                                                  | 2044                           | 2039                         |                             |             |   |
| 10                         | 16QAM      | 25      | 12        | 2045 <th>2042</th> <th>2033</th>                                                  | 2042                           | 2033                         |                             |             |   |
| 10                         | 16QAM      | 25      | 25        | 2040 <th>2044</th> <th>2039</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2044                           | 2039                         | 21.5                        | 0           |   |
| 10                         | 16QAM      | 50      | 0         | 2035 <th>2043</th> <th>2039</th>                                                  | 2043                           | 2039                         |                             |             |   |
| 10                         | 64QAM      | 1       | 0         | 2040 <th>2038</th> <th>2034</th>                                                  | 2038                           | 2034                         |                             |             |   |
| 10                         | 64QAM      | 1       | 25        | 2041 <th>2040</th> <th>2042</th>                                                  | 2040                           | 2042                         |                             |             |   |
| 10                         | 64QAM      | 1       | 49        | 2040 <th>2046</th> <th>2032</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2046                           | 2032                         | 21.5                        | 0           |   |
| 10                         | 64QAM      | 25      | 0         | 2030 <th>2028</th> <th>2023</th>                                                  | 2028                           | 2023                         |                             |             |   |
| 10                         | 64QAM      | 25      | 12        | 2030 <th>2026</th> <th>2027</th>                                                  | 2026                           | 2027                         |                             |             |   |
| 10                         | 64QAM      | 25      | 25        | 2024 <th>2031</th> <th>2030</th>                                                  | 2031                           | 2030                         |                             |             |   |
| 10                         | 64QAM      | 50      | 0         | 2025 <th>2031</th> <th>2021</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2031                           | 2021                         | 21.5                        | 0           |   |
| 10                         | 256QAM     | 1       | 0         | 1816                                                                              | 1829                           | 1821                         |                             |             |   |
| 10                         | 256QAM     | 1       | 25        | 1827                                                                              | 1824                           | 1826                         |                             |             |   |
| 10                         | 256QAM     | 1       | 49        | 1829 <th>1838</th> <th>1823</th>                                                  | 1838                           | 1823                         |                             |             |   |
| 10                         | 256QAM     | 25      | 0         | 1832                                                                              | 1832                           | 1828                         | 19.5                        | 2           |   |
| 10                         | 256QAM     | 25      | 12        | 1830 <th>1825</th> <th>1827</th>                                                  | 1825                           | 1827                         |                             |             |   |
| 10                         | 256QAM     | 25      | 25        | 1826 <th>1829</th> <th>1823</th>                                                  | 1829                           | 1823                         |                             |             |   |
| 10                         | 256QAM     | 50      | 0         | 1826 <th>1827</th> <th>1832</th>                                                  | 1827                           | 1832                         |                             |             |   |
| Channel<br>Frequency (MHz) |            |         |           | 37775                                                                             | 38000                          | 38225                        | Tune-up limit<br>(dBm)      | MPR<br>(dB) |   |
|                            |            |         |           | 2572.5                                                                            | 2585                           | 2617.5                       | 21.5 <th rowspan="2">0</th> | 0           |   |
|                            |            |         |           | 2043                                                                              | 2041                           | 2035                         |                             |             |   |
| 5                          | QPSK       | 1       | 0         | 2043 <th>2041</th> <th>2035</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2041                           | 2035                         | 21.5                        | 0           |   |
| 5                          | QPSK       | 1       | 12        | 2039 <th>2035</th> <th>2032</th>                                                  | 2035                           | 2032                         |                             |             |   |
| 5                          | QPSK       | 1       | 24        | 2044 <th>2040</th> <th>2033</th>                                                  | 2040                           | 2033                         |                             |             |   |
| 5                          | QPSK       | 12      | 0         | 2036 <th>2042</th> <th>2036</th>                                                  | 2042                           | 2036                         |                             |             |   |
| 5                          | QPSK       | 12      | 7         | 2039 <th>2039</th> <th>2034</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2039                           | 2034                         | 21.5                        | 0           |   |
| 5                          | QPSK       | 12      | 13        | 2041 <th>2043</th> <th>2034</th>                                                  | 2043                           | 2034                         |                             |             |   |
| 5                          | QPSK       | 25      | 0         | 2042 <th>2038</th> <th>2038</th>                                                  | 2038                           | 2038                         |                             |             |   |
| 5                          | 16QAM      | 1       | 0         | 2034 <th>2041</th> <th>2037</th>                                                  | 2041                           | 2037                         |                             |             |   |
| 5                          | 16QAM      | 1       | 12        | 2034 <th>2037</th> <th>2039</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2037                           | 2039                         | 21.5                        | 0           |   |
| 5                          | 16QAM      | 1       | 24        | 2042 <th>2044</th> <th>2034</th>                                                  | 2044                           | 2034                         |                             |             |   |
| 5                          | 16QAM      | 12      | 0         | 2044 <th>2039</th> <th>2042</th>                                                  | 2039                           | 2042                         |                             |             |   |
| 5                          | 16QAM      | 12      | 7         | 2035 <th>2039</th> <th>2043</th>                                                  | 2039                           | 2043                         |                             |             |   |
| 5                          | 16QAM      | 12      | 13        | 2039 <th>2046</th> <th>2043</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2046                           | 2043                         | 21.5                        | 0           |   |
| 5                          | 16QAM      | 25      | 0         | 2039 <th>2040</th> <th>2032</th>                                                  | 2040                           | 2032                         |                             |             |   |
| 5                          | 64QAM      | 1       | 0         | 2035 <th>2041</th> <th>2032</th>                                                  | 2041                           | 2032                         |                             |             |   |
| 5                          | 64QAM      | 1       | 12        | 2036 <th>2046</th> <th>2033</th>                                                  | 2046                           | 2033                         |                             |             |   |
| 5                          | 64QAM      | 1       | 24        | 2036 <th>2042</th> <th>2037</th> <td rowspan="4">21.5</td> <td rowspan="4">0</td> | 2042                           | 2037                         | 21.5                        | 0           |   |
| 5                          | 64QAM      | 12      | 0         | 2030 <th>2027</th> <th>2027</th>                                                  | 2027                           | 2027                         |                             |             |   |
| 5                          | 64QAM      | 12      | 7         | 2034 <th>2028</th> <th>2027</th>                                                  | 2028                           | 2027                         |                             |             |   |
| 5                          | 64QAM      | 12      | 13        | 2035 <th>2033</th> <th>2023</th>                                                  | 2033                           | 2023                         |                             |             |   |
| 5                          | 64QAM      | 25      | 0         | 2025 <th>2022</th> <th>2024</th> <td rowspan="4">19.5</td> <td rowspan="4">2</td> | 2022                           | 2024                         | 19.5                        | 2           |   |
| 5                          | 256QAM     | 25      | 0         | 1825 <th>1833</th> <th>1818</th>                                                  | 1833                           | 1818                         |                             |             |   |
| 5                          | 256QAM     | 1       | 12        | 1836 <th>1833</th> <th>1822</th>                                                  | 1833                           | 1822                         |                             |             |   |
| 5                          | 256QAM     | 1       | 24        | 1826 <th>1823</th> <th>1829</th>                                                  | 1823                           | 1829                         |                             |             |   |
| 5                          | 256QAM     | 12      | 0         | 1826 <th>1823</th> <th>1823</th> <td rowspan="4">19.5</td> <td rowspan="4">2</td> | 1823                           | 1823                         | 19.5                        | 2           |   |
| 5                          | 256QAM     | 12      | 7         | 1832 <th>1824</th> <th>1823</th>                                                  | 1824                           | 1823                         |                             |             |   |
| 5                          | 256QAM     | 12      | 13        | 1832 <th>1826</th> <th>1826</th>                                                  | 1826                           | 1826                         |                             |             |   |
| 5                          | 256QAM     | 25      | 0         | 1823 <th>1825</th> <th>1832</th>                                                  | 1825                           | 1832                         |                             |             |   |

## Reduced ENDG Power for State 4

Band 4\_Ant 1

| BW (MHz)        | Modulation | Channel | RB Size | RB Offset | Power Low<br>Ch. Freq. | Power Middle<br>Ch. Freq. | Power High<br>Ch. Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |  |
|-----------------|------------|---------|---------|-----------|------------------------|---------------------------|-------------------------|------------------------|-------------|--|--|
| Channel         |            |         |         |           |                        |                           |                         |                        |             |  |  |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |  |  |
| 20              | QPSK       | 1       | 0       | 0         | 1720                   | 1732.5                    | 1745                    | 18.5                   | 0           |  |  |
| 20              | QPSK       | 1       | 48      | 0         | 1743                   | 1743                      | 1743                    |                        |             |  |  |
| 20              | QPSK       | 1       | 96      | 0         | 1737                   | 1741                      | 1741                    |                        |             |  |  |
| 20              | QPSK       | 50      | 0       | 0         | 1750                   | 1752                      | 1748                    |                        |             |  |  |
| 20              | QPSK       | 50      | 24      | 0         | 1739                   | 1737                      | 1732                    | 18.5                   | 0           |  |  |
| 20              | QPSK       | 50      | 50      | 0         | 1738                   | 1742                      | 1739                    |                        |             |  |  |
| 20              | QPSK       | 100     | 0       | 0         | 1748                   | 1750                      | 1747                    |                        |             |  |  |
| 20              | 16QAM      | 1       | 0       | 0         | 1738                   | 1739                      | 1733                    |                        |             |  |  |
| 20              | 16QAM      | 1       | 48      | 0         | 1742                   | 1738                      | 1742                    | 18.5                   | 0           |  |  |
| 20              | 16QAM      | 1       | 96      | 0         | 1742                   | 1745                      | 1732                    |                        |             |  |  |
| 20              | 16QAM      | 50      | 0       | 0         | 1737                   | 1747                      | 1743                    |                        |             |  |  |
| 20              | 16QAM      | 50      | 24      | 0         | 1745                   | 1742                      | 1739                    |                        |             |  |  |
| 20              | 16QAM      | 50      | 50      | 0         | 1734                   | 1741                      | 1734                    | 18.5                   | 0           |  |  |
| 20              | 16QAM      | 100     | 0       | 0         | 1744                   | 1739                      | 1742                    |                        |             |  |  |
| 20              | 64QAM      | 1       | 0       | 0         | 1741                   | 1742                      | 1742                    |                        |             |  |  |
| 20              | 64QAM      | 1       | 48      | 0         | 1744                   | 1737                      | 1738                    |                        |             |  |  |
| 20              | 64QAM      | 1       | 96      | 0         | 1744                   | 1748                      | 1733                    | 18.5                   | 0           |  |  |
| 20              | 64QAM      | 50      | 0       | 0         | 1740                   | 1738                      | 1738                    |                        |             |  |  |
| 20              | 64QAM      | 50      | 24      | 0         | 1738                   | 1744                      | 1739                    |                        |             |  |  |
| 20              | 64QAM      | 50      | 50      | 0         | 1742                   | 1738                      | 1732                    |                        |             |  |  |
| 20              | 64QAM      | 100     | 0       | 0         | 1738                   | 1740                      | 1743                    | 18.5                   | 0           |  |  |
| 20              | 256QAM     | 1       | 0       | 0         | 1740                   | 1739                      | 1734                    |                        |             |  |  |
| 20              | 256QAM     | 1       | 48      | 0         | 1743                   | 1740                      | 1733                    |                        |             |  |  |
| 20              | 256QAM     | 1       | 96      | 0         | 1739                   | 1744                      | 1740                    |                        |             |  |  |
| 20              | 256QAM     | 50      | 0       | 0         | 1740                   | 1745                      | 1741                    | 18.5                   | 0           |  |  |
| 20              | 256QAM     | 50      | 24      | 0         | 1741                   | 1742                      | 1738                    |                        |             |  |  |
| 20              | 256QAM     | 50      | 50      | 0         | 1734                   | 1742                      | 1732                    |                        |             |  |  |
| 20              | 256QAM     | 100     | 0       | 0         | 1738                   | 1740                      | 1743                    |                        |             |  |  |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |  |  |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |  |  |
| 15              | QPSK       | 1       | 0       | 0         | 1717.5                 | 1722.5                    | 1727.5                  | 18.5                   | 0           |  |  |
| 15              | QPSK       | 1       | 37      | 0         | 1740                   | 1736                      | 1742                    |                        |             |  |  |
| 15              | QPSK       | 1       | 74      | 0         | 1743                   | 1738                      | 1741                    |                        |             |  |  |
| 15              | QPSK       | 36      | 0       | 0         | 1735                   | 1738                      | 1738                    |                        |             |  |  |
| 15              | QPSK       | 36      | 20      | 0         | 1745                   | 1736                      | 1737                    | 18.5                   | 0           |  |  |
| 15              | QPSK       | 36      | 36      | 0         | 1738                   | 1745                      | 1738                    |                        |             |  |  |
| 15              | QPSK       | 36      | 52      | 0         | 1742                   | 1743                      | 1739                    |                        |             |  |  |
| 15              | 16QAM      | 1       | 0       | 0         | 1743                   | 1737                      | 1738                    |                        |             |  |  |
| 15              | 16QAM      | 1       | 37      | 0         | 1738                   | 1745                      | 1743                    | 18.5                   | 0           |  |  |
| 15              | 16QAM      | 1       | 74      | 0         | 1738                   | 1744                      | 1738                    |                        |             |  |  |
| 15              | 16QAM      | 36      | 0       | 0         | 1742                   | 1740                      | 1739                    |                        |             |  |  |
| 15              | 16QAM      | 36      | 20      | 0         | 1745                   | 1736                      | 1737                    |                        |             |  |  |
| 15              | 16QAM      | 36      | 39      | 0         | 1743                   | 1748                      | 1743                    | 18.5                   | 0           |  |  |
| 15              | 16QAM      | 75      | 0       | 0         | 1739                   | 1739                      | 1738                    |                        |             |  |  |
| 15              | 64QAM      | 1       | 0       | 0         | 1740                   | 1745                      | 1743                    |                        |             |  |  |
| 15              | 64QAM      | 1       | 37      | 0         | 1745                   | 1738                      | 1734                    |                        |             |  |  |
| 15              | 64QAM      | 1       | 74      | 0         | 1743                   | 1741                      | 1735                    | 18.5                   | 0           |  |  |
| 15              | 64QAM      | 36      | 0       | 0         | 1743                   | 1738                      | 1738                    |                        |             |  |  |
| 15              | 64QAM      | 36      | 20      | 0         | 1740                   | 1747                      | 1732                    |                        |             |  |  |
| 15              | 64QAM      | 36      | 39      | 0         | 1735                   | 1745                      | 1741                    |                        |             |  |  |
| 15              | 256QAM     | 1       | 0       | 0         | 1742                   | 1742                      | 1739                    | 18.5                   | 0           |  |  |
| 15              | 256QAM     | 1       | 37      | 0         | 1738                   | 1743                      | 1738                    |                        |             |  |  |
| 15              | 256QAM     | 1       | 74      | 0         | 1743                   | 1744                      | 1740                    |                        |             |  |  |
| 15              | 256QAM     | 36      | 0       | 0         | 1734                   | 1738                      | 1739                    |                        |             |  |  |
| 15              | 256QAM     | 36      | 20      | 0         | 1737                   | 1741                      | 1735                    | 18.5                   | 0           |  |  |
| 15              | 256QAM     | 36      | 39      | 0         | 1745                   | 1740                      | 1736                    |                        |             |  |  |
| 15              | 256QAM     | 75      | 0       | 0         | 1741                   | 1737                      | 1734                    |                        |             |  |  |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |  |  |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |  |  |
| 10              | QPSK       | 1       | 0       | 0         | 1715                   | 1725.5                    | 1750                    | 18.5                   | 0           |  |  |
| 10              | QPSK       | 1       | 25      | 0         | 1743                   | 1743                      | 1743                    |                        |             |  |  |
| 10              | QPSK       | 1       | 48      | 0         | 1735                   | 1738                      | 1743                    |                        |             |  |  |
| 10              | QPSK       | 25      | 0       | 0         | 1735                   | 1741                      | 1743                    |                        |             |  |  |
| 10              | QPSK       | 25      | 12      | 0         | 1741                   | 1736                      | 1741                    | 18.5                   | 0           |  |  |
| 10              | QPSK       | 25      | 25      | 0         | 1742                   | 1742                      | 1732                    |                        |             |  |  |
| 10              | QPSK       | 50      | 0       | 0         | 1740                   | 1742                      | 1737                    |                        |             |  |  |
| 10              | 16QAM      | 1       | 0       | 0         | 1737                   | 1738                      | 1736                    |                        |             |  |  |
| 10              | 16QAM      | 1       | 25      | 0         | 1739                   | 1739                      | 1740                    | 18.5                   | 0           |  |  |
| 10              | 16QAM      | 1       | 48      | 0         | 1739                   | 1738                      | 1733                    |                        |             |  |  |
| 10              | 16QAM      | 25      | 0       | 0         | 1744                   | 1742                      | 1743                    |                        |             |  |  |
| 10              | 16QAM      | 25      | 12      | 0         | 1739                   | 1747                      | 1737                    |                        |             |  |  |
| 10              | 16QAM      | 25      | 25      | 0         | 1745                   | 1738                      | 1732                    | 18.5                   | 0           |  |  |
| 10              | 16QAM      | 50      | 0       | 0         | 1738                   | 1742                      | 1742                    |                        |             |  |  |
| 10              | 64QAM      | 1       | 0       | 0         | 1738                   | 1741                      | 1732                    |                        |             |  |  |
| 10              | 64QAM      | 1       | 25      | 0         | 1738                   | 1736                      | 1735                    |                        |             |  |  |
| 10              | 64QAM      | 1       | 48      | 0         | 1743                   | 1744                      | 1741                    | 18.5                   | 0           |  |  |
| 10              | 64QAM      | 25      | 0       | 0         | 1738                   | 1747                      | 1734                    |                        |             |  |  |
| 10              | 64QAM      | 25      | 12      | 0         | 1738                   | 1741                      | 1737                    |                        |             |  |  |
| 10              | 64QAM      | 25      | 25      | 0         | 1738                   | 1740                      | 1736                    |                        |             |  |  |
| 10              | 256QAM     | 1       | 0       | 0         | 1738                   | 1740                      | 1738                    | 18.5                   | 0           |  |  |
| 10              | 256QAM     | 1       | 25      | 0         | 1745                   | 1742                      | 1736                    |                        |             |  |  |
| 10              | 256QAM     | 1       | 48      | 0         | 1738                   | 1740                      | 1743                    |                        |             |  |  |
| 10              | 256QAM     | 25      | 0       | 0         | 1743                   | 1737                      | 1738                    |                        |             |  |  |
| 10              | 256QAM     | 25      | 12      | 0         | 1742                   | 1744                      | 1739                    | 18.5                   | 0           |  |  |
| 10              | 256QAM     | 25      | 25      | 0         | 1737                   | 1744                      | 1735                    |                        |             |  |  |
| 10              | 256QAM     | 50      | 0       | 0         | 1745                   | 1738                      | 1733                    |                        |             |  |  |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |  |  |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |  |  |
| 5               | QPSK       | 1       | 0       | 0         | 1723.5                 | 1723.5                    | 1723.5                  | 18.5                   | 0           |  |  |
| 5               | QPSK       | 1       | 12      | 0         | 1738                   | 1740                      | 1740                    |                        |             |  |  |
| 5               | QPSK       | 1       | 24      | 0         | 1739                   | 1737                      | 1733                    |                        |             |  |  |
| 5               | QPSK       | 12      | 0       | 0         | 1742                   | 1747                      | 1737                    |                        |             |  |  |
| 5               | QPSK       | 12      | 7       | 0         | 1743                   | 1737                      | 1737                    | 18.5                   | 0           |  |  |
| 5               | QPSK       | 12      | 13      | 0         | 1744                   | 1740                      | 1738                    |                        |             |  |  |
| 5               | QPSK       | 25      | 0       | 0         | 1735                   | 1746                      | 1733                    |                        |             |  |  |
| 5               | 16QAM      | 1       | 0       | 0         | 1743                   | 1746                      | 1732                    |                        |             |  |  |
| 5               | 16QAM      | 1       | 12      | 0         | 1741                   | 1738                      | 1739                    | 18.5                   | 0           |  |  |
| 5               | 16QAM      | 1       | 24      | 0         | 1734                   | 1739                      | 1733                    |                        |             |  |  |
| 5               | 16QAM      | 12      | 0       | 0         | 1742                   | 1739                      | 1742                    |                        |             |  |  |
| 5               | 16QAM      | 12      | 7       | 0         | 1734                   | 1742                      | 1740                    |                        |             |  |  |
| 5               | 16QAM      | 12      | 13      | 0         | 1740                   | 1738                      | 1741                    | 18.5                   | 0           |  |  |
| 5               | 16QAM      | 25      | 0       | 0         | 1734                   | 1742                      | 1733                    |                        |             |  |  |
| 5               | 64QAM      | 1       | 0       | 0         | 1740                   | 1742                      | 1742                    |                        |             |  |  |
| 5               | 64QAM      | 1       | 12      | 0         | 1737                   | 1744                      | 1739                    |                        |             |  |  |
| 5               | 64QAM      | 12      | 0       | 0         | 1738                   | 1738                      | 1742                    | 18.5                   | 0           |  |  |
| 5               | 64QAM      | 12      | 7       | 0         | 1745                   | 1743                      | 1737                    |                        |             |  |  |
| 5               | 64QAM      | 25      | 0       | 0         | 1739                   | 1738                      | 1734                    |                        |             |  |  |
| 5               | 64QAM      | 25      | 13      | 0         | 1745                   | 1743                      | 1737                    |                        |             |  |  |
| 5               | 256QAM     | 1       | 0       | 0         | 1744                   | 1740                      | 1734                    | 18.5                   | 0           |  |  |
| 5               | 256QAM     | 1       | 12      | 0         | 1743                   | 1739                      | 1740                    |                        |             |  |  |
| 5               | 256QAM     | 1       | 24      | 0         | 1738                   | 1742                      | 1742                    |                        |             |  |  |
| 5               | 256QAM     | 12      | 0       | 0         | 1739                   | 1745                      | 1743                    |                        |             |  |  |
| 5               | 256QAM     | 12      | 7       | 0         | 1743                   | 1744                      | 1738                    | 18.5                   | 0           |  |  |
| 5               | 256QAM     | 12      | 13      | 0         | 1743                   | 1737                      | 1741                    |                        |             |  |  |
| 5               | 256QAM     | 25      | 0       | 0         | 1744                   | 1740                      | 1735                    |                        |             |  |  |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |  |  |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |  |  |
| 3               | QPSK       | 1       | 0       | 0         | 1717.5                 | 1725.5                    | 1725.5                  | 18.5                   | 0           |  |  |
| 3               | QPSK       | 1       | 8       | 0         | 1740                   | 1744                      | 1732                    |                        |             |  |  |
| 3               | QPSK       | 1       | 14      | 0         | 1744                   | 1738                      | 1742                    |                        |             |  |  |
| 3               | QPSK       | 8       | 0       | 0         | 1739                   | 1739                      | 1733                    |                        |             |  |  |
| 3               | QPSK       | 8       | 4       | 0         | 1740                   | 1740                      | 1739                    | 18.5                   | 0           |  |  |
| 3               | QPSK       | 8       | 7       | 0         | 1742                   | 1743                      | 1738                    |                        |             |  |  |
| 3               | 16QAM      | 1       | 0       | 0         | 1741                   | 1739                      | 1743                    |                        |             |  |  |
| 3               | 16QAM      | 1       | 0       | 0         | 1738                   | 1744                      | 1737                    |                        |             |  |  |
| 3               | 16QAM      | 1       | 8       | 0         | 1743                   | 1747                      | 1743                    | 18.5                   | 0           |  |  |
| 3               | 16QAM      | 1       | 14      | 0         | 1740                   | 1743                      | 1738                    |                        |             |  |  |
| 3               | 16QAM      | 8       | 0       | 0         | 1740                   | 1741                      | 1743                    |                        |             |  |  |
| 3               | 16QAM      | 8       | 4       | 0         | 1740                   | 1745                      | 1738                    |                        |             |  |  |
| 3               | 16QAM      | 8       | 7       | 0         | 1744                   | 1746                      | 1743                    | 18.5                   | 0           |  |  |
| 3               | 16QAM      | 15      | 0       | 0         | 1741                   | 1743                      | 1741                    |                        |             |  |  |
| 3               | 64QAM      | 1       | 0       | 0         | 1739                   | 1741                      | 1733                    |                        |             |  |  |
| 3               | 64QAM      | 1       | 8       | 0         | 1739                   | 1748                      | 1737                    |                        |             |  |  |
| 3               | 64QAM      | 1       | 14      | 0         | 1737                   | 1742                      | 1733                    | 18.5                   | 0           |  |  |
| 3               | 64QAM      | 8       | 0       | 0         | 1744                   | 1737                      | 1734                    |                        |             |  |  |
| 3               | 64QAM      | 8       | 4       | 0         | 1739                   | 1740                      | 1741                    |                        |             |  |  |
| 3               | 64QAM      | 8       | 7       | 0         | 1745                   | 1747                      | 1743                    |                        |             |  |  |
| 3               | 64QAM      | 15      | 0       | 0         | 1743                   | 1736                      | 1734                    | 18.5                   | 0           |  |  |
| 3               | 256QAM     | 1       | 0       | 0         | 1741                   | 1741                      | 1738                    |                        |             |  |  |
| 3               | 256QAM     | 1       | 8       | 0         | 1737                   | 1743                      | 1737                    |                        |             |  |  |
| 3               | 256QAM     | 1       | 14      | 0         | 1740                   | 1741                      | 1739                    |                        |             |  |  |
| 3               | 256QAM     | 1       | 8       | 0         | 1744                   | 1740                      | 1734                    | 18.5                   | 0           |  |  |
| 3               | 256QAM     | 8       | 0       | 0         | 1741                   | 1743                      | 1737                    |                        |             |  |  |
| 3               | 256QAM     | 8       | 7       | 0         | 1734                   | 1744                      | 1738                    |                        |             |  |  |
| 3               | 256QAM     | 15      | 0       | 0         | 1737                   | 1741                      | 1741                    |                        |             |  |  |
| Channel         |            |         |         |           |                        |                           |                         |                        |             |  |  |
| Frequency (MHz) |            |         |         |           |                        |                           |                         |                        |             |  |  |
| 1.4             | QPSK       | 1       | 0       | 0         | 1720                   | 1732.5                    | 1754.3                  | 18.5                   | 0           |  |  |
| 1.4             | QPSK       | 1       | 0       | 0         | 1745                   | 1745                      | 1736                    |                        |             |  |  |
| 1.4             | QPSK       | 3       | 0       | 0         | 1744                   | 1744                      | 1741                    |                        |             |  |  |
| 1.4             | QPSK       | 3       | 0       | 0         | 1740                   | 1738                      | 1734                    |                        |             |  |  |
| 1.4             | QPSK       | 3       | 1       | 0         | 1743                   | 1739                      | 1740                    | 18.5                   | 0           |  |  |
| 1.4             | QPSK       | 3       | 3       | 0         | 1734                   | 1745                      | 1740                    |                        |             |  |  |
| 1.4             | QPSK       | 6       | 0       | 0         | 1740                   | 1741                      | 1739                    |                        |             |  |  |
| 1.4             | 16QAM      | 1       | 0       | 0         | 1736                   | 1737                      | 1736                    |                        |             |  |  |
| 1.4             | 16QAM      | 1       | 3       | 0         | 1740                   | 1739                      | 1741                    | 18.5                   | 0           |  |  |
| 1.4             | 16QAM      | 1       | 3       | 0         | 1745                   | 1747                      | 1738                    |                        |             |  |  |
| 1.4             | 16QAM      | 3       | 0       | 0         | 1740                   | 1742                      | 1740                    |                        |             |  |  |
| 1.4             | 16QAM      | 3       | 1       | 0         | 1742                   | 1740                      | 1741                    |                        |             |  |  |
| 1.4             | 16QAM      | 3       | 5       | 0         | 1745                   | 1746                      | 1743                    | 18.5                   | 0           |  |  |
| 1.4             | 16QAM      | 3       | 5       | 0         | 1739                   | 1744                      | 1741                    |                        |             |  |  |
| 1.4             | 16QAM      | 3       | 1       | 0         | 1739                   | 1740                      | 1738                    |                        |             |  |  |
| 1.4             | 64QAM      | 1       | 0       | 0         | 1739                   | 1741                      | 1733                    |                        |             |  |  |
| 1.4             | 64QAM      | 1       | 5       | 0         | 1743                   | 1738                      | 1732                    | 18.5                   | 0           |  |  |
| 1.4             | 64QAM      | 3       | 0       | 0         | 1743                   | 1738                      | 1733                    |                        |             |  |  |
| 1.4             | 64QAM      | 3       | 1       | 0         | 1745                   | 1738                      | 1737                    |                        |             |  |  |
| 1.4             | 64QAM      | 3       | 3       | 0         | 1742                   | 1740                      | 1743                    |                        |             |  |  |
| 1.4             | 64QAM      | 6       | 0       | 0         | 1736                   | 1737                      | 1743                    | 18.5                   | 0           |  |  |
| 1.4             | 256QAM     | 1       | 0       | 0         | 1743                   | 1743                      | 1743                    |                        |             |  |  |
| 1.4             | 256QAM     | 1       | 3       | 0         | 1741                   | 1740                      | 1739                    |                        |             |  |  |
| 1.4             | 256QAM     | 1       | 5       | 0         | 1742                   | 1746                      | 1732                    |                        |             |  |  |
| 1.4             | 256QAM     | 3       | 0       | 0         | 1744                   | 1744                      | 1740                    | 18.5                   | 0           |  |  |
| 1.4             | 256QAM     | 3       | 1       | 0         | 1737                   | 1747                      | 1735                    |                        |             |  |  |
| 1.4             | 256QAM     | 3       | 3       | 0         | 1739                   | 1743                      | 1732                    |                        |             |  |  |
| 1.4             | 256QAM     | 3       | 3       | 0         | 1737                   | 1743                      | 1732                    |                        |             |  |  |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>20850 | Power Middle<br>Ch. / Freq.<br>21100 | Power High<br>Ch. / Freq.<br>21350 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 20              | QPSK       | 1       | 0         | 2510                              | 2535                                 | 2560                               |                        |             |
| 20              | QPSK       | 1       | 49        | 7.88                              | 7.88                                 | 7.97                               | 9                      | 0           |
| 20              | QPSK       | 1       | 99        | 7.85                              | 7.91                                 | 7.90                               |                        |             |
| 20              | QPSK       | 50      | 0         | 7.92                              | 7.95                                 | 8.00                               |                        |             |
| 20              | QPSK       | 50      | 24        | 7.98                              | 7.94                                 | 7.91                               | 9                      | 0           |
| 20              | QPSK       | 50      | 50        | 7.90                              | 7.94                                 | 7.90                               |                        |             |
| 20              | QPSK       | 100     | 0         | 7.97                              | 7.93                                 | 7.89                               |                        |             |
| 20              | 16QAM      | 1       | 0         | 7.98                              | 7.95                                 | 7.98                               |                        |             |
| 20              | 16QAM      | 1       | 49        | 7.87                              | 7.95                                 | 7.89                               | 9                      | 0           |
| 20              | 16QAM      | 1       | 99        | 7.85                              | 7.95                                 | 7.97                               |                        |             |
| 20              | 16QAM      | 50      | 0         | 7.98                              | 7.87                                 | 7.88                               |                        |             |
| 20              | 16QAM      | 50      | 24        | 7.97                              | 7.88                                 | 7.85                               | 9                      | 0           |
| 20              | 16QAM      | 50      | 50        | 7.88                              | 7.90                                 | 7.88                               |                        |             |
| 20              | 16QAM      | 100     | 0         | 7.92                              | 7.85                                 | 7.88                               |                        |             |
| 20              | 64QAM      | 1       | 0         | 7.85                              | 7.94                                 | 7.97                               |                        |             |
| 20              | 64QAM      | 1       | 49        | 7.86                              | 7.91                                 | 7.90                               | 9                      | 0           |
| 20              | 64QAM      | 1       | 99        | 7.88                              | 7.91                                 | 7.88                               |                        |             |
| 20              | 64QAM      | 50      | 0         | 7.86                              | 7.94                                 | 7.94                               |                        |             |
| 20              | 64QAM      | 50      | 24        | 7.80                              | 7.86                                 | 7.80                               | 9                      | 0           |
| 20              | 64QAM      | 50      | 50        | 7.90                              | 7.86                                 | 7.87                               |                        |             |
| 20              | 64QAM      | 100     | 0         | 7.91                              | 7.90                                 | 7.94                               |                        |             |
| 20              | 256QAM     | 1       | 0         | 7.92                              | 7.90                                 | 7.96                               |                        |             |
| 20              | 256QAM     | 1       | 49        | 7.91                              | 7.86                                 | 7.93                               | 9                      | 0           |
| 20              | 256QAM     | 1       | 99        | 7.93                              | 7.89                                 | 7.93                               |                        |             |
| 20              | 256QAM     | 50      | 0         | 7.96                              | 7.98                                 | 7.91                               |                        |             |
| 20              | 256QAM     | 50      | 24        | 7.97                              | 7.97                                 | 7.87                               | 9                      | 0           |
| 20              | 256QAM     | 50      | 50        | 7.90                              | 7.88                                 | 7.96                               |                        |             |
| 20              | 256QAM     | 100     | 0         | 7.95                              | 7.91                                 | 7.98                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 15              | QPSK       | 1       | 0         | 20845                             | 21100                                | 21375                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 37        | 7.93                              | 7.93                                 | 7.97                               | 9                      | 0           |
| 15              | QPSK       | 1       | 74        | 7.85                              | 7.95                                 | 7.94                               |                        |             |
| 15              | QPSK       | 36      | 0         | 7.88                              | 7.91                                 | 7.88                               |                        |             |
| 15              | QPSK       | 36      | 20        | 7.86                              | 7.94                                 | 7.87                               | 9                      | 0           |
| 15              | QPSK       | 36      | 39        | 7.88                              | 7.91                                 | 7.86                               |                        |             |
| 15              | QPSK       | 75      | 0         | 7.86                              | 7.87                                 | 7.95                               |                        |             |
| 15              | 16QAM      | 1       | 0         | 7.96                              | 7.98                                 | 7.97                               |                        |             |
| 15              | 16QAM      | 1       | 37        | 7.87                              | 7.94                                 | 7.92                               | 9                      | 0           |
| 15              | 16QAM      | 1       | 74        | 7.97                              | 7.80                                 | 7.97                               |                        |             |
| 15              | 16QAM      | 36      | 0         | 7.98                              | 7.93                                 | 7.90                               |                        |             |
| 15              | 16QAM      | 36      | 20        | 7.90                              | 7.98                                 | 7.95                               | 9                      | 0           |
| 15              | 16QAM      | 36      | 39        | 7.87                              | 7.90                                 | 7.93                               |                        |             |
| 15              | 16QAM      | 75      | 0         | 7.88                              | 7.94                                 | 7.94                               |                        |             |
| 15              | 64QAM      | 1       | 0         | 7.91                              | 7.91                                 | 7.96                               |                        |             |
| 15              | 64QAM      | 1       | 37        | 7.95                              | 7.85                                 | 7.92                               | 9                      | 0           |
| 15              | 64QAM      | 1       | 74        | 7.88                              | 7.87                                 | 7.95                               |                        |             |
| 15              | 64QAM      | 36      | 0         | 7.98                              | 7.94                                 | 7.90                               |                        |             |
| 15              | 64QAM      | 36      | 20        | 7.90                              | 7.94                                 | 7.90                               | 9                      | 0           |
| 15              | 64QAM      | 36      | 39        | 7.97                              | 7.97                                 |                                    |                        |             |
| 15              | 64QAM      | 75      | 0         | 7.96                              | 7.92                                 | 7.89                               |                        |             |
| 15              | 256QAM     | 1       | 0         | 7.95                              | 7.98                                 | 7.97                               |                        |             |
| 15              | 256QAM     | 1       | 37        | 7.94                              | 7.88                                 | 7.87                               | 9                      | 0           |
| 15              | 256QAM     | 1       | 74        | 7.90                              | 7.88                                 | 7.90                               |                        |             |
| 15              | 256QAM     | 36      | 0         | 7.95                              | 7.94                                 | 7.87                               |                        |             |
| 15              | 256QAM     | 36      | 20        | 7.94                              | 7.92                                 | 7.92                               | 9                      | 0           |
| 15              | 256QAM     | 36      | 39        | 7.86                              | 7.95                                 | 7.98                               |                        |             |
| 15              | 256QAM     | 75      | 0         | 7.89                              | 7.96                                 | 7.91                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 10              | QPSK       | 1       | 0         | 20775                             | 21100                                | 21400                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 25        | 7.92                              | 7.95                                 | 7.97                               | 9                      | 0           |
| 10              | QPSK       | 1       | 49        | 7.86                              | 7.91                                 | 7.92                               |                        |             |
| 10              | QPSK       | 25      | 0         | 7.90                              | 7.89                                 | 7.88                               |                        |             |
| 10              | QPSK       | 25      | 12        | 7.97                              | 7.94                                 | 7.96                               | 9                      | 0           |
| 10              | QPSK       | 25      | 25        | 7.95                              | 7.89                                 | 7.96                               |                        |             |
| 10              | QPSK       | 50      | 0         | 7.92                              | 7.86                                 | 7.92                               |                        |             |
| 10              | 16QAM      | 1       | 0         | 7.94                              | 7.95                                 | 7.91                               |                        |             |
| 10              | 16QAM      | 1       | 25        | 7.89                              | 7.91                                 | 7.98                               | 9                      | 0           |
| 10              | 16QAM      | 1       | 49        | 7.85                              | 7.98                                 | 7.92                               |                        |             |
| 10              | 16QAM      | 25      | 0         | 7.90                              | 7.88                                 | 7.85                               |                        |             |
| 10              | 16QAM      | 25      | 12        | 7.89                              | 7.98                                 | 7.92                               | 9                      | 0           |
| 10              | 16QAM      | 25      | 25        | 7.85                              | 7.87                                 | 7.95                               |                        |             |
| 10              | 16QAM      | 50      | 0         | 7.97                              | 7.88                                 | 7.85                               |                        |             |
| 10              | 64QAM      | 1       | 0         | 7.87                              | 7.91                                 | 7.89                               |                        |             |
| 10              | 64QAM      | 1       | 25        | 7.95                              | 7.97                                 | 7.93                               | 9                      | 0           |
| 10              | 64QAM      | 1       | 49        | 7.93                              | 7.95                                 | 7.89                               |                        |             |
| 10              | 64QAM      | 25      | 0         | 7.91                              | 7.85                                 | 7.93                               |                        |             |
| 10              | 64QAM      | 25      | 12        | 7.96                              | 7.89                                 | 7.91                               | 9                      | 0           |
| 10              | 64QAM      | 25      | 25        | 7.89                              | 7.97                                 | 7.98                               |                        |             |
| 10              | 64QAM      | 50      | 0         | 7.95                              | 7.85                                 | 7.94                               |                        |             |
| 10              | 256QAM     | 1       | 0         | 7.94                              | 7.85                                 | 7.97                               |                        |             |
| 10              | 256QAM     | 1       | 25        | 7.92                              | 7.96                                 | 7.96                               | 9                      | 0           |
| 10              | 256QAM     | 1       | 49        | 7.94                              | 7.97                                 | 7.97                               |                        |             |
| 10              | 256QAM     | 25      | 0         | 7.86                              | 7.88                                 | 7.88                               |                        |             |
| 10              | 256QAM     | 25      | 12        | 7.98                              | 7.94                                 | 7.93                               | 9                      | 0           |
| 10              | 256QAM     | 25      | 25        | 7.87                              | 7.97                                 | 7.95                               |                        |             |
| 10              | 256QAM     | 50      | 0         | 7.87                              | 7.87                                 | 7.95                               |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 5               | QPSK       | 1       | 0         | 20925                             | 21100                                | 21425                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0         | 7.88                              | 7.91                                 | 7.95                               | 9                      | 0           |
| 5               | QPSK       | 1       | 24        | 7.94                              | 7.95                                 | 7.87                               |                        |             |
| 5               | QPSK       | 12      | 0         | 7.86                              | 7.88                                 | 7.90                               |                        |             |
| 5               | QPSK       | 12      | 6         | 7.95                              | 7.89                                 | 7.87                               | 9                      | 0           |
| 5               | QPSK       | 12      | 13        | 7.89                              | 7.90                                 | 7.92                               |                        |             |
| 5               | QPSK       | 25      | 0         | 7.92                              | 7.87                                 | 7.85                               |                        |             |
| 5               | 16QAM      | 1       | 0         | 7.89                              | 7.98                                 | 7.90                               |                        |             |
| 5               | 16QAM      | 1       | 12        | 7.89                              | 7.90                                 | 7.92                               | 9                      | 0           |
| 5               | 16QAM      | 1       | 24        | 7.90                              | 7.97                                 | 7.91                               |                        |             |
| 5               | 16QAM      | 12      | 0         | 7.85                              | 7.95                                 | 7.86                               |                        |             |
| 5               | 16QAM      | 12      | 7         | 7.94                              | 7.94                                 | 7.88                               | 9                      | 0           |
| 5               | 16QAM      | 12      | 13        | 7.92                              | 7.94                                 | 7.90                               |                        |             |
| 5               | 16QAM      | 25      | 0         | 7.95                              | 7.89                                 | 7.95                               |                        |             |
| 5               | 64QAM      | 1       | 0         | 7.95                              | 7.86                                 | 7.90                               |                        |             |
| 5               | 64QAM      | 1       | 12        | 7.86                              | 7.94                                 | 7.87                               | 9                      | 0           |
| 5               | 64QAM      | 1       | 24        | 7.90                              | 7.95                                 | 7.85                               |                        |             |
| 5               | 64QAM      | 12      | 0         | 7.89                              | 7.97                                 | 7.93                               |                        |             |
| 5               | 64QAM      | 12      | 7         | 7.97                              | 7.86                                 | 7.89                               | 9                      | 0           |
| 5               | 64QAM      | 12      | 13        | 7.93                              | 7.85                                 | 7.97                               |                        |             |
| 5               | 64QAM      | 25      | 0         | 7.87                              | 7.98                                 | 7.91                               |                        |             |
| 5               | 256QAM     | 1       | 0         | 7.89                              | 7.86                                 | 7.92                               |                        |             |
| 5               | 256QAM     | 1       | 12        | 7.95                              | 7.85                                 | 7.95                               | 9                      | 0           |
| 5               | 256QAM     | 1       | 24        | 7.93                              | 7.88                                 | 7.98                               |                        |             |
| 5               | 256QAM     | 12      | 0         | 7.96                              | 7.97                                 | 7.85                               |                        |             |
| 5               | 256QAM     | 12      | 7         | 7.97                              | 7.91                                 | 7.92                               | 9                      | 0           |
| 5               | 256QAM     | 12      | 13        | 7.85                              | 7.88                                 | 7.93                               |                        |             |
| 5               | 256QAM     | 25      | 0         | 7.95                              | 7.95                                 | 7.98                               |                        |             |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>13020 | Power Middle<br>Ch. / Freq.<br>13272 | Power High<br>Ch. / Freq.<br>13524 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 20              | QPSK       | 1       | 0         | 1720                              | 1745                                 | 1770                               |                        |             |
| 20              | QPSK       | 1       | 49        | 17.48                             | 17.52                                | 17.58                              | 18.5                   | 0           |
| 20              | QPSK       | 1       | 99        | 17.47                             | 17.50                                | 17.51                              |                        |             |
| 20              | QPSK       | 50      | 0         | 17.49                             | 17.49                                | 17.50                              |                        |             |
| 20              | QPSK       | 50      | 24        | 17.52                             | 17.50                                | 17.44                              | 18.5                   | 0           |
| 20              | QPSK       | 50      | 50        | 17.51                             | 17.47                                | 17.45                              |                        |             |
| 20              | QPSK       | 100     | 0         | 17.48                             | 17.49                                | 17.56                              |                        |             |
| 20              | 16QAM      | 1       | 0         | 17.47                             | 17.54                                | 17.41                              |                        |             |
| 20              | 16QAM      | 1       | 49        | 17.43                             | 17.49                                | 17.52                              | 18.5                   | 0           |
| 20              | 16QAM      | 1       | 99        | 17.53                             | 17.54                                | 17.41                              |                        |             |
| 20              | 16QAM      | 50      | 0         | 17.45                             | 17.54                                | 17.44                              |                        |             |
| 20              | 16QAM      | 50      | 24        | 17.48                             | 17.53                                | 17.46                              | 18.5                   | 0           |
| 20              | 16QAM      | 50      | 50        | 17.45                             | 17.45                                | 17.44                              |                        |             |
| 20              | 16QAM      | 100     | 0         | 17.51                             | 17.49                                | 17.49                              |                        |             |
| 20              | 64QAM      | 1       | 0         | 17.50                             | 17.50                                | 17.52                              |                        |             |
| 20              | 64QAM      | 1       | 49        | 17.46                             | 17.45                                | 17.47                              | 18.5                   | 0           |
| 20              | 64QAM      | 1       | 99        | 17.50                             | 17.50                                | 17.52                              |                        |             |
| 20              | 64QAM      | 50      | 0         | 17.50                             | 17.56                                | 17.45                              |                        |             |
| 20              | 64QAM      | 50      | 24        | 17.44                             | 17.49                                | 17.52                              | 18.5                   | 0           |
| 20              | 64QAM      | 50      | 50        | 17.45                             | 17.50                                | 17.45                              |                        |             |
| 20              | 64QAM      | 100     | 0         | 17.51                             | 17.55                                | 17.44                              |                        |             |
| 20              | 256QAM     | 1       | 0         | 17.50                             | 17.50                                | 17.47                              |                        |             |
| 20              | 256QAM     | 1       | 49        | 17.47                             | 17.54                                | 17.42                              | 18.5                   | 0           |
| 20              | 256QAM     | 1       | 99        | 17.47                             | 17.48                                | 17.41                              |                        |             |
| 20              | 256QAM     | 50      | 0         | 17.46                             | 17.55                                | 17.41                              |                        |             |
| 20              | 256QAM     | 50      | 24        | 17.44                             | 17.48                                | 17.51                              | 18.5                   | 0           |
| 20              | 256QAM     | 50      | 50        | 17.48                             | 17.54                                | 17.41                              |                        |             |
| 20              | 256QAM     | 100     | 0         | 17.53                             | 17.48                                | 17.43                              |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |
| Frequency [MHz] |            |         |           |                                   |                                      |                                    |                        |             |
| 15              | QPSK       | 1       | 0         | 13047                             | 13232                                | 13297                              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 37        | 17.49                             | 17.48                                | 17.41                              | 18.5                   | 0           |
| 15              | QPSK       | 1       | 74        | 17.49                             | 17.50                                | 17.43                              |                        |             |
| 15              | QPSK       | 36      | 0         | 17.46                             | 17.51                                | 17.41                              |                        |             |
| 15              | QPSK       | 36      | 20        | 17.49                             | 17.49                                | 17.43                              | 18.5                   | 0           |
| 15              | QPSK       | 36      | 39        | 17.48                             | 17.45                                | 17.48                              |                        |             |
| 15              | QPSK       | 75      | 0         | 17.49                             | 17.45                                | 17.46                              |                        |             |
| 15              | 16QAM      | 1       | 0         | 17.48                             | 17.48                                | 17.47                              |                        |             |
| 15              | 16QAM      | 1       | 37        | 17.54                             | 17.49                                | 17.51                              | 18.5                   | 0           |
| 15              | 16QAM      | 1       | 74        | 17.54                             | 17.50                                | 17.51                              |                        |             |
| 15              | 16QAM      | 36      | 0         | 17.48                             | 17.53                                | 17.51                              |                        |             |
| 15              | 16QAM      | 36      | 20        | 17.51                             | 17.54                                | 17.42                              | 18.5                   | 0           |
| 15              | 16QAM      | 36      | 39        | 17.48                             | 17.51                                | 17.45                              |                        |             |
| 15              | 16QAM      | 75      | 0         | 17.51                             | 17.48                                | 17.43                              |                        |             |
| 15              | 64QAM      | 1       | 0         | 17.46                             | 17.47                                | 17.46                              |                        |             |
| 1               |            |         |           |                                   |                                      |                                    |                        |             |

# Band 38\_Ant 1

| 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<br>Frequency (MHz) |            |         |           | 2580                        | 2595                           | 2610                         | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 37850                       | 38000                          | 38150                        |                        |             |
| 20                         | QPSK       | 1       | 0         | 19.53                       | 19.55                          | 19.52                        | 20.5                   | 0           |
| 20                         | QPSK       | 1       | 46        | 19.40                       | 19.42                          | 19.46                        |                        |             |
| 20                         | QPSK       | 1       | 89        | 19.37                       | 19.43                          | 19.39                        |                        |             |
| 20                         | QPSK       | 50      | 0         | 19.51                       | 19.53                          | 19.50                        | 20.5                   | 0           |
| 20                         | QPSK       | 50      | 24        | 19.40                       | 19.45                          | 19.43                        |                        |             |
| 20                         | QPSK       | 50      | 50        | 19.40                       | 19.42                          | 19.38                        |                        |             |
| 20                         | QPSK       | 100     | 0         | 19.50                       | 19.51                          | 19.48                        | 20.5                   | 0           |
| 20                         | 16QAM      | 1       | 0         | 19.42                       | 19.41                          | 19.34                        |                        |             |
| 20                         | 16QAM      | 1       | 46        | 19.44                       | 19.47                          | 19.41                        |                        |             |
| 20                         | 16QAM      | 1       | 89        | 19.42                       | 19.48                          | 19.41                        | 20.5                   | 0           |
| 20                         | 16QAM      | 50      | 0         | 19.36                       | 19.40                          | 19.35                        |                        |             |
| 20                         | 16QAM      | 50      | 24        | 19.43                       | 19.35                          | 19.35                        |                        |             |
| 20                         | 16QAM      | 50      | 50        | 19.46                       | 19.44                          | 19.34                        | 20.5                   | 0           |
| 20                         | 16QAM      | 100     | 0         | 19.35                       | 19.45                          | 19.45                        |                        |             |
| 20                         | 64QAM      | 1       | 46        | 19.41                       | 19.43                          | 19.39                        |                        |             |
| 20                         | 64QAM      | 1       | 89        | 19.46                       | 19.42                          | 19.38                        | 20.5                   | 0           |
| 20                         | 64QAM      | 1       | 99        | 19.45                       | 19.40                          | 19.35                        |                        |             |
| 20                         | 64QAM      | 50      | 0         | 19.41                       | 19.45                          | 19.44                        |                        |             |
| 20                         | 64QAM      | 50      | 24        | 19.37                       | 19.41                          | 19.40                        | 20.5                   | 0           |
| 20                         | 64QAM      | 50      | 50        | 19.36                       | 19.46                          | 19.35                        |                        |             |
| 20                         | 64QAM      | 100     | 0         | 19.42                       | 19.44                          | 19.40                        |                        |             |
| 20                         | 256QAM     | 1       | 0         | 18.35                       | 18.42                          | 18.33                        | 19.5                   | 1           |
| 20                         | 256QAM     | 1       | 46        | 18.42                       | 18.39                          | 18.33                        |                        |             |
| 20                         | 256QAM     | 1       | 89        | 18.43                       | 18.38                          | 18.39                        |                        |             |
| 20                         | 256QAM     | 50      | 0         | 18.41                       | 18.38                          | 18.39                        | 19.5                   | 1           |
| 20                         | 256QAM     | 50      | 24        | 18.37                       | 18.38                          | 18.39                        |                        |             |
| 20                         | 256QAM     | 50      | 50        | 18.35                       | 18.42                          | 18.37                        |                        |             |
| 20                         | 256QAM     | 100     | 0         | 18.39                       | 18.41                          | 18.43                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 37850                       | 38000                          | 38200                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 2577.5                      | 2595                           | 2612.5                       |                        |             |
| 15                         | QPSK       | 1       | 0         | 19.45                       | 19.44                          | 19.37                        | 20.5                   | 0           |
| 15                         | QPSK       | 1       | 37        | 19.45                       | 19.45                          | 19.42                        |                        |             |
| 15                         | QPSK       | 1       | 74        | 19.37                       | 19.40                          | 19.43                        |                        |             |
| 15                         | QPSK       | 36      | 0         | 19.43                       | 19.42                          | 19.42                        | 20.5                   | 0           |
| 15                         | QPSK       | 36      | 36        | 19.41                       | 19.46                          | 19.43                        |                        |             |
| 15                         | QPSK       | 36      | 39        | 19.46                       | 19.40                          | 19.37                        |                        |             |
| 15                         | QPSK       | 75      | 0         | 19.46                       | 19.45                          | 19.34                        | 20.5                   | 0           |
| 15                         | 16QAM      | 1       | 19.37     | 19.43                       | 19.44                          |                              |                        |             |
| 15                         | 16QAM      | 1       | 37        | 19.45                       | 19.47                          | 19.38                        |                        |             |
| 15                         | 16QAM      | 1       | 74        | 19.35                       | 19.39                          | 19.35                        | 20.5                   | 0           |
| 15                         | 16QAM      | 36      | 0         | 19.37                       | 19.40                          | 19.38                        |                        |             |
| 15                         | 16QAM      | 36      | 20        | 19.35                       | 19.39                          | 19.41                        |                        |             |
| 15                         | 16QAM      | 36      | 39        | 19.36                       | 19.40                          | 19.44                        | 20.5                   | 0           |
| 15                         | 16QAM      | 75      | 0         | 19.36                       | 19.45                          | 19.44                        |                        |             |
| 15                         | 64QAM      | 1       | 0         | 19.39                       | 19.37                          | 19.35                        |                        |             |
| 15                         | 64QAM      | 1       | 37        | 19.44                       | 19.46                          | 19.36                        | 20.5                   | 0           |
| 15                         | 64QAM      | 1       | 74        | 19.38                       | 19.44                          | 19.44                        |                        |             |
| 15                         | 64QAM      | 36      | 0         | 19.37                       | 19.45                          | 19.38                        |                        |             |
| 15                         | 64QAM      | 36      | 20        | 19.37                       | 19.43                          | 19.43                        | 20.5                   | 0           |
| 15                         | 64QAM      | 36      | 39        | 19.36                       | 19.43                          | 19.44                        |                        |             |
| 15                         | 64QAM      | 75      | 0         | 19.35                       | 19.38                          | 19.41                        |                        |             |
| 15                         | 256QAM     | 1       | 0         | 18.24                       | 18.29                          | 18.28                        | 19.5                   | 1           |
| 15                         | 256QAM     | 1       | 37        | 18.35                       | 18.33                          | 18.19                        |                        |             |
| 15                         | 256QAM     | 1       | 74        | 18.35                       | 18.37                          | 18.28                        |                        |             |
| 15                         | 256QAM     | 36      | 0         | 18.28                       | 18.30                          | 18.31                        | 19.5                   | 1           |
| 15                         | 256QAM     | 36      | 20        | 18.32                       | 18.33                          | 18.29                        |                        |             |
| 15                         | 256QAM     | 36      | 39        | 18.28                       | 18.30                          | 18.28                        |                        |             |
| 15                         | 256QAM     | 75      | 0         | 18.34                       | 18.35                          | 18.37                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 37800                       | 38000                          | 38200                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 2575                        | 2595                           | 2615                         |                        |             |
| 10                         | QPSK       | 1       | 0         | 19.37                       | 19.41                          | 19.39                        | 20.5                   | 0           |
| 10                         | QPSK       | 1       | 25        | 19.45                       | 19.42                          | 19.40                        |                        |             |
| 10                         | QPSK       | 1       | 49        | 19.43                       | 19.42                          | 19.37                        |                        |             |
| 10                         | QPSK       | 25      | 0         | 19.38                       | 19.46                          | 19.39                        | 20.5                   | 0           |
| 10                         | QPSK       | 25      | 12        | 19.43                       | 19.48                          | 19.41                        |                        |             |
| 10                         | QPSK       | 25      | 25        | 19.42                       | 19.42                          | 19.38                        |                        |             |
| 10                         | QPSK       | 50      | 0         | 19.40                       | 19.48                          | 19.40                        | 20.5                   | 0           |
| 10                         | 16QAM      | 1       | 0         | 19.42                       | 19.45                          | 19.41                        |                        |             |
| 10                         | 16QAM      | 1       | 25        | 19.46                       | 19.38                          | 19.41                        |                        |             |
| 10                         | 16QAM      | 1       | 49        | 19.41                       | 19.40                          | 19.35                        | 20.5                   | 0           |
| 10                         | 16QAM      | 25      | 0         | 19.42                       | 19.47                          | 19.35                        |                        |             |
| 10                         | 16QAM      | 25      | 12        | 19.35                       | 19.43                          | 19.45                        |                        |             |
| 10                         | 16QAM      | 25      | 25        | 19.38                       | 19.45                          | 19.42                        | 20.5                   | 0           |
| 10                         | 16QAM      | 50      | 0         | 19.42                       | 19.40                          | 19.35                        |                        |             |
| 10                         | 64QAM      | 1       | 0         | 19.37                       | 19.45                          | 19.36                        |                        |             |
| 10                         | 64QAM      | 1       | 25        | 19.38                       | 19.37                          | 19.39                        | 20.5                   | 0           |
| 10                         | 64QAM      | 1       | 49        | 19.46                       | 19.48                          | 19.43                        |                        |             |
| 10                         | 64QAM      | 25      | 0         | 19.35                       | 19.39                          | 19.45                        |                        |             |
| 10                         | 64QAM      | 25      | 12        | 19.42                       | 19.39                          | 19.42                        | 20.5                   | 0           |
| 10                         | 64QAM      | 25      | 25        | 19.35                       | 19.38                          | 19.42                        |                        |             |
| 10                         | 64QAM      | 50      | 0         | 19.39                       | 19.40                          | 19.43                        |                        |             |
| 10                         | 256QAM     | 1       | 0         | 18.19                       | 18.28                          | 18.21                        | 19.5                   | 1           |
| 10                         | 256QAM     | 1       | 25        | 18.27                       | 18.24                          | 18.25                        |                        |             |
| 10                         | 256QAM     | 1       | 49        | 18.29                       | 18.38                          | 18.23                        |                        |             |
| 10                         | 256QAM     | 25      | 0         | 18.32                       | 18.32                          | 18.28                        | 19.5                   | 1           |
| 10                         | 256QAM     | 25      | 12        | 18.30                       | 18.25                          | 18.27                        |                        |             |
| 10                         | 256QAM     | 25      | 25        | 18.26                       | 18.29                          | 18.23                        |                        |             |
| 10                         | 256QAM     | 50      | 0         | 18.26                       | 18.27                          | 18.32                        |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 3777.5                      | 38000                          | 38217.5                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                            |            |         |           | 2572.5                      | 2595                           | 2617.5                       |                        |             |
| 5                          | QPSK       | 1       | 0         | 19.37                       | 19.47                          | 19.35                        | 20.5                   | 0           |
| 5                          | QPSK       | 1       | 12        | 19.44                       | 19.47                          | 19.47                        |                        |             |
| 5                          | QPSK       | 1       | 24        | 19.39                       | 19.48                          | 19.38                        |                        |             |
| 5                          | QPSK       | 12      | 0         | 19.40                       | 19.42                          | 19.45                        | 20.5                   | 0           |
| 5                          | QPSK       | 12      | 7         | 19.35                       | 19.45                          | 19.40                        |                        |             |
| 5                          | QPSK       | 12      | 13        | 19.35                       | 19.41                          | 19.40                        |                        |             |
| 5                          | QPSK       | 25      | 0         | 19.40                       | 19.43                          | 19.36                        | 20.5                   | 0           |
| 5                          | 16QAM      | 1       | 0         | 19.38                       | 19.40                          | 19.39                        |                        |             |
| 5                          | 16QAM      | 1       | 12        | 19.38                       | 19.40                          | 19.44                        |                        |             |
| 5                          | 16QAM      | 1       | 24        | 19.37                       | 19.48                          | 19.40                        | 20.5                   | 0           |
| 5                          | 16QAM      | 12      | 0         | 19.43                       | 19.48                          | 19.38                        |                        |             |
| 5                          | 16QAM      | 12      | 7         | 19.44                       | 19.38                          | 19.43                        |                        |             |
| 5                          | 16QAM      | 12      | 13        | 19.38                       | 19.44                          | 19.41                        | 20.5                   | 0           |
| 5                          | 16QAM      | 25      | 0         | 19.46                       | 19.41                          | 19.42                        |                        |             |
| 5                          | 64QAM      | 1       | 0         | 19.44                       | 19.42                          | 19.39                        |                        |             |
| 5                          | 64QAM      | 1       | 12        | 19.46                       | 19.45                          | 19.45                        | 20.5                   | 0           |
| 5                          | 64QAM      | 1       | 24        | 19.44                       | 19.43                          | 19.39                        |                        |             |
| 5                          | 64QAM      | 12      | 0         | 19.46                       | 19.40                          | 19.35                        |                        |             |
| 5                          | 64QAM      | 12      | 7         | 19.38                       | 19.41                          | 19.39                        | 20.5                   | 0           |
| 5                          | 64QAM      | 12      | 13        | 19.41                       | 19.43                          | 19.43                        |                        |             |
| 5                          | 64QAM      | 25      | 0         | 19.40                       | 19.38                          | 19.44                        |                        |             |
| 5                          | 256QAM     | 1       | 1         | 18.25                       | 18.33                          | 18.18                        | 19.5                   | 1           |
| 5                          | 256QAM     | 1       | 12        | 18.36                       | 18.33                          | 18.22                        |                        |             |
| 5                          | 256QAM     | 1       | 24        | 18.28                       | 18.33                          | 18.29                        |                        |             |
| 5                          | 256QAM     | 12      | 0         | 18.26                       | 18.23                          | 18.23                        | 19.5                   | 1           |
| 5                          | 256QAM     | 12      | 7         | 18.32                       | 18.24                          | 18.23                        |                        |             |
| 5                          | 256QAM     | 12      | 13        | 18.26                       | 18.26                          | 18.28                        |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.23                       | 18.25                          | 18.32                        |                        |             |

# Uplink CA Power

| CA_7C_Ant 4                           |             |            |         |           |         |           |               |                       |             |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|-----------------------|-------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                       |             |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Target MPR Level (dB) | Power State | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                       |             |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | Full        | 22.43                | 23.50               |
| 21100                                 | 20902       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | Full        | 22.84                | 23.50               |
| 21350                                 | 21152       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | Full        | 22.66                | 23.50               |
| 20850                                 | 21048       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 1     | 14.27                | 15.50               |
| 21100                                 | 20902       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 1     | 14.77                | 15.50               |
| 21350                                 | 21152       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 1     | 14.75                | 15.50               |
| 20850                                 | 21048       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 4     | 13.25                | 14.50               |
| 21100                                 | 20902       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 4     | 13.76                | 14.50               |
| 21350                                 | 21152       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 4     | 13.77                | 14.50               |
| 20850                                 | 21048       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 3     | 19.71                | 20.50               |
| 21100                                 | 20902       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 3     | 19.56                | 20.50               |
| 21350                                 | 21152       | QPSK       | 1       | 0         | 0       | 0         | 1             | 0                     | State 3     | 19.70                | 20.50               |

## Inter band UL CA Power

Band 2\_Ant 2

| BW (MHz)                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch./Freq.<br>18700 | Power<br>Middle<br>Ch./Freq.<br>18900 | Power/<br>High<br>Ch./Freq.<br>19100 | Tune-up limit<br>(dBm) | MPR<br>(dB) |      |   |
|----------------------------|------------|---------|-----------|------------------------------------|---------------------------------------|--------------------------------------|------------------------|-------------|------|---|
| Channel<br>Frequency (MHz) |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 20                         | QPSK       | 1       | 0         | 24.11                              | 24.12                                 | 24.10                                | 24.5                   | 0           |      |   |
| 20                         | QPSK       | 1       | 49        | 24.10                              | 24.10                                 | 24.09                                |                        |             |      |   |
| 20                         | QPSK       | 1       | 99        | 23.99                              | 24.01                                 | 24.09                                |                        |             |      |   |
| 20                         | QPSK       | 50      | 0         | 23.11                              | 23.12                                 | 23.11                                | 23.5                   | 1           |      |   |
| 20                         | QPSK       | 50      | 24        | 23.10                              | 23.07                                 | 23.10                                |                        |             |      |   |
| 20                         | QPSK       | 50      | 50        | 23.10                              | 23.03                                 | 23.05                                |                        |             |      |   |
| 20                         | 16QAM      | 1       | 0         | 23.31                              | 23.41                                 | 23.34                                | 23.5                   | 1           |      |   |
| 20                         | 16QAM      | 1       | 49        | 23.47                              | 23.38                                 | 23.28                                |                        |             |      |   |
| 20                         | 16QAM      | 1       | 99        | 23.26                              | 23.33                                 | 23.35                                |                        |             |      |   |
| 20                         | 16QAM      | 50      | 0         | 22.10                              | 22.08                                 | 22.12                                | 22.5                   | 2           |      |   |
| 20                         | 16QAM      | 50      | 24        | 22.08                              | 22.08                                 | 22.13                                |                        |             |      |   |
| 20                         | 16QAM      | 50      | 50        | 22.09                              | 22.04                                 | 22.06                                |                        |             |      |   |
| 20                         | 16QAM      | 100     | 0         | 22.10                              | 22.06                                 | 22.11                                | 22.5                   | 2           |      |   |
| 20                         | 64QAM      | 1       | 0         | 22.24                              | 22.25                                 | 22.27                                |                        |             |      |   |
| 20                         | 64QAM      | 1       | 49        | 22.30                              | 22.30                                 | 22.26                                |                        |             |      |   |
| 20                         | 64QAM      | 1       | 99        | 22.11                              | 22.07                                 | 22.13                                | 21.5                   | 3           |      |   |
| 20                         | 64QAM      | 50      | 0         | 21.07                              | 21.06                                 | 21.04                                |                        |             |      |   |
| 20                         | 64QAM      | 50      | 24        | 21.10                              | 21.07                                 | 21.09                                |                        |             |      |   |
| 20                         | 256QAM     | 1       | 0         | 19.06                              | 19.06                                 | 19.05                                | 19.5                   | 5           |      |   |
| 20                         | 256QAM     | 1       | 49        | 19.05                              | 19.07                                 | 19.09                                |                        |             |      |   |
| 20                         | 256QAM     | 1       | 99        | 18.98                              | 18.97                                 | 19.01                                |                        |             |      |   |
| 20                         | 256QAM     | 50      | 0         | 19.03                              | 19.04                                 | 19.09                                | 19.5                   | 5           |      |   |
| 20                         | 256QAM     | 50      | 24        | 18.97                              | 18.97                                 | 19.04                                |                        |             |      |   |
| 20                         | 256QAM     | 50      | 50        | 18.96                              | 18.92                                 | 19.00                                |                        |             |      |   |
| 20                         | 256QAM     | 100     | 0         | 19.06                              | 19.05                                 | 19.02                                | 21.5                   | 0           |      |   |
| Channel<br>Frequency (MHz) |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 18975 19075 19075          |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 15                         | QPSK       | 1       | 0         | 24.04                              | 24.05                                 | 24.02                                | 24.5                   | 0           |      |   |
| 15                         | QPSK       | 1       | 37        | 23.95                              | 23.92                                 | 24.03                                |                        |             |      |   |
| 15                         | QPSK       | 1       | 74        | 23.83                              | 23.90                                 | 23.91                                |                        |             |      |   |
| 15                         | QPSK       | 36      | 0         | 22.94                              | 22.95                                 | 23.03                                | 23.5                   | 1           |      |   |
| 15                         | QPSK       | 36      | 20        | 22.92                              | 22.95                                 | 22.97                                |                        |             |      |   |
| 15                         | QPSK       | 36      | 39        | 22.99                              | 22.87                                 | 22.89                                |                        |             |      |   |
| 15                         | QPSK       | 75      | 0         | 22.96                              | 22.98                                 | 22.98                                | 23.5                   | 1           |      |   |
| 15                         | 16QAM      | 1       | 0         | 23.19                              | 23.32                                 | 23.16                                |                        |             |      |   |
| 15                         | 16QAM      | 1       | 37        | 23.41                              | 23.31                                 | 23.15                                |                        |             |      |   |
| 15                         | 16QAM      | 1       | 74        | 23.10                              | 23.28                                 | 23.17                                | 22.5                   | 2           |      |   |
| 15                         | 16QAM      | 36      | 0         | 21.91                              | 21.89                                 | 21.98                                |                        |             |      |   |
| 15                         | 16QAM      | 36      | 20        | 21.98                              | 21.91                                 | 21.96                                |                        |             |      |   |
| 15                         | 16QAM      | 36      | 39        | 21.91                              | 21.87                                 | 21.93                                | 21.5                   | 3           |      |   |
| 15                         | 16QAM      | 75      | 0         | 22.03                              | 22.00                                 | 22.11                                |                        |             |      |   |
| 15                         | 64QAM      | 1       | 0         | 22.07                              | 22.15                                 | 22.11                                |                        |             |      |   |
| 15                         | 64QAM      | 1       | 37        | 22.17                              | 22.15                                 | 22.15                                | 22.5                   | 2           |      |   |
| 15                         | 64QAM      | 1       | 74        | 22.01                              | 21.98                                 | 21.99                                |                        |             |      |   |
| 15                         | 64QAM      | 36      | 0         | 21.00                              | 21.01                                 | 21.00                                |                        |             |      |   |
| 15                         | 64QAM      | 36      | 20        | 20.99                              | 20.99                                 | 20.97                                | 21.5                   | 3           |      |   |
| 15                         | 64QAM      | 75      | 0         | 21.04                              | 20.90                                 | 21.01                                |                        |             |      |   |
| 15                         | 256QAM     | 1       | 0         | 18.90                              | 18.83                                 | 18.96                                |                        |             |      |   |
| 15                         | 256QAM     | 1       | 37        | 18.86                              | 18.87                                 | 18.98                                | 19.5                   | 5           |      |   |
| 15                         | 256QAM     | 1       | 74        | 18.83                              | 18.91                                 | 18.91                                |                        |             |      |   |
| 15                         | 256QAM     | 36      | 0         | 18.91                              | 18.97                                 | 18.99                                |                        |             |      |   |
| 15                         | 256QAM     | 36      | 20        | 18.94                              | 18.78                                 | 18.84                                | 19.5                   | 5           |      |   |
| 15                         | 256QAM     | 36      | 39        | 18.77                              | 18.82                                 | 18.87                                |                        |             |      |   |
| 15                         | 256QAM     | 75      | 0         | 18.96                              | 18.81                                 | 18.83                                |                        |             |      |   |
| Channel<br>Frequency (MHz) |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 18925 19050 19050          |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 10                         | QPSK       | 1       | 0         | 23.93                              | 24.04                                 | 23.91                                | 24.5                   | 0           |      |   |
| 10                         | QPSK       | 1       | 25        | 24.04                              | 24.03                                 | 24.02                                |                        |             |      |   |
| 10                         | QPSK       | 1       | 49        | 23.82                              | 23.82                                 | 23.94                                |                        |             |      |   |
| 10                         | QPSK       | 25      | 0         | 23.05                              | 22.87                                 | 23.01                                | 23.5                   | 1           |      |   |
| 10                         | QPSK       | 25      | 12        | 22.98                              | 23.00                                 | 23.01                                |                        |             |      |   |
| 10                         | QPSK       | 50      | 0         | 23.04                              | 23.02                                 | 23.00                                |                        |             |      |   |
| 10                         | 16QAM      | 1       | 0         | 23.23                              | 23.28                                 | 23.27                                | 23.5                   | 1           |      |   |
| 10                         | 16QAM      | 1       | 25        | 23.35                              | 23.30                                 | 23.17                                |                        |             |      |   |
| 10                         | 16QAM      | 1       | 49        | 23.12                              | 23.17                                 | 23.29                                |                        |             |      |   |
| 10                         | 16QAM      | 25      | 0         | 21.91                              | 21.90                                 | 21.98                                | 22.5                   | 2           |      |   |
| 10                         | 16QAM      | 25      | 12        | 21.93                              | 22.00                                 | 22.05                                |                        |             |      |   |
| 10                         | 16QAM      | 25      | 25        | 21.92                              | 21.89                                 | 22.00                                |                        |             |      |   |
| 10                         | 16QAM      | 50      | 0         | 22.04                              | 21.98                                 | 21.94                                | 22.5                   | 2           |      |   |
| 10                         | 16QAM      | 50      | 12        | 22.15                              | 22.08                                 | 22.13                                |                        |             |      |   |
| 10                         | 16QAM      | 50      | 25        | 22.18                              | 22.20                                 | 22.19                                |                        |             |      |   |
| 10                         | 64QAM      | 1       | 0         | 21.97                              | 21.88                                 | 22.06                                | 21.5                   | 3           |      |   |
| 10                         | 64QAM      | 25      | 0         | 21.90                              | 21.03                                 | 20.94                                |                        |             |      |   |
| 10                         | 64QAM      | 25      | 12        | 20.96                              | 20.99                                 | 20.97                                |                        |             |      |   |
| 10                         | 64QAM      | 25      | 25        | 20.97                              | 20.90                                 | 20.92                                | 19.5                   | 5           |      |   |
| 10                         | 64QAM      | 50      | 0         | 20.98                              | 20.94                                 | 20.92                                |                        |             |      |   |
| 10                         | 256QAM     | 1       | 0         | 18.94                              | 18.95                                 | 18.93                                |                        |             |      |   |
| 10                         | 256QAM     | 1       | 25        | 18.99                              | 18.91                                 | 19.02                                | 19.5                   | 5           |      |   |
| 10                         | 256QAM     | 1       | 49        | 18.90                              | 18.89                                 | 18.88                                |                        |             |      |   |
| 10                         | 256QAM     | 25      | 0         | 18.93                              | 18.94                                 | 18.95                                |                        |             |      |   |
| 10                         | 256QAM     | 25      | 12        | 18.99                              | 18.91                                 | 18.97                                | 19.5                   | 5           |      |   |
| 10                         | 256QAM     | 25      | 25        | 18.97                              | 18.91                                 | 18.84                                |                        |             |      |   |
| 10                         | 256QAM     | 50      | 0         | 18.98                              | 18.84                                 | 18.92                                |                        |             |      |   |
| Channel<br>Frequency (MHz) |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 18975 19075 19075          |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 5                          | QPSK       | 1       | 0         | 24.02                              | 23.95                                 | 23.95                                | 24.5                   | 0           |      |   |
| 5                          | QPSK       | 1       | 12        | 23.94                              | 24.01                                 | 24.00                                |                        |             |      |   |
| 5                          | QPSK       | 1       | 24        | 23.81                              | 23.95                                 | 23.91                                |                        |             |      |   |
| 5                          | QPSK       | 12      | 0         | 22.98                              | 22.97                                 | 23.01                                | 23.5                   | 1           |      |   |
| 5                          | QPSK       | 12      | 12        | 23.91                              | 23.91                                 | 23.94                                |                        |             |      |   |
| 5                          | QPSK       | 12      | 13        | 22.95                              | 22.90                                 | 22.86                                |                        |             |      |   |
| 5                          | QPSK       | 20      | 0         | 22.94                              | 23.02                                 | 22.93                                | 23.5                   | 1           |      |   |
| 5                          | 16QAM      | 1       | 0         | 23.23                              | 23.35                                 | 23.25                                |                        |             |      |   |
| 5                          | 16QAM      | 1       | 12        | 23.34                              | 23.30                                 | 23.10                                |                        |             |      |   |
| 5                          | 16QAM      | 1       | 24        | 23.17                              | 23.26                                 | 23.24                                | 22.5                   | 2           |      |   |
| 5                          | 16QAM      | 12      | 0         | 22.04                              | 21.93                                 | 21.98                                |                        |             |      |   |
| 5                          | 16QAM      | 12      | 7         | 21.98                              | 21.91                                 | 21.94                                |                        |             |      |   |
| 5                          | 16QAM      | 12      | 13        | 21.95                              | 21.87                                 | 21.91                                | 22.5                   | 2           |      |   |
| 5                          | 16QAM      | 25      | 0         | 22.00                              | 21.95                                 | 21.97                                |                        |             |      |   |
| 5                          | 64QAM      | 1       | 0         | 22.07                              | 22.09                                 | 22.13                                | 22.5                   | 2           |      |   |
| 5                          | 64QAM      | 1       | 12        | 22.24                              | 22.12                                 | 22.16                                |                        |             |      |   |
| 5                          | 64QAM      | 1       | 24        | 21.98                              | 21.92                                 | 22.00                                |                        |             |      |   |
| 5                          | 64QAM      | 12      | 0         | 20.97                              | 20.99                                 | 21.05                                | 21.5                   | 3           |      |   |
| 5                          | 64QAM      | 12      | 7         | 20.97                              | 20.94                                 | 20.87                                |                        |             |      |   |
| 5                          | 64QAM      | 12      | 13        | 20.91                              | 20.94                                 | 20.87                                |                        |             |      |   |
| 5                          | 64QAM      | 25      | 0         | 20.94                              | 20.90                                 | 20.93                                | 19.5                   | 5           |      |   |
| 5                          | 256QAM     | 1       | 0         | 18.93                              | 18.89                                 | 18.88                                |                        |             |      |   |
| 5                          | 256QAM     | 1       | 12        | 18.97                              | 18.80                                 | 18.98                                |                        |             |      |   |
| 5                          | 256QAM     | 1       | 24        | 18.81                              | 18.84                                 | 18.93                                | 19.5                   | 5           |      |   |
| 5                          | 256QAM     | 12      | 0         | 18.91                              | 18.95                                 | 18.93                                |                        |             |      |   |
| 5                          | 256QAM     | 12      | 7         | 18.90                              | 18.84                                 | 18.91                                |                        |             |      |   |
| 5                          | 256QAM     | 12      | 13        | 18.79                              | 18.81                                 | 18.80                                | 19.5                   | 5           |      |   |
| 5                          | 256QAM     | 25      | 0         | 18.93                              | 18.88                                 | 18.90                                |                        |             |      |   |
| Channel<br>Frequency (MHz) |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 18975 19075 19075          |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 3                          | QPSK       | 1       | 0         | 24.03                              | 23.95                                 | 23.94                                | 24.5                   | 0           |      |   |
| 3                          | QPSK       | 1       | 14        | 24.01                              | 24.01                                 | 24.01                                |                        |             |      |   |
| 3                          | QPSK       | 1       | 14        | 23.95                              | 23.93                                 | 23.93                                |                        |             |      |   |
| 3                          | QPSK       | 8       | 0         | 22.93                              | 22.93                                 | 22.99                                | 23.5                   | 1           |      |   |
| 3                          | QPSK       | 8       | 7         | 22.98                              | 22.96                                 | 23.00                                |                        |             |      |   |
| 3                          | QPSK       | 8       | 7         | 23.04                              | 22.86                                 | 22.99                                |                        |             |      |   |
| 3                          | QPSK       | 15      | 0         | 22.91                              | 23.03                                 | 22.97                                | 23.5                   | 1           |      |   |
| 3                          | 16QAM      | 1       | 0         | 23.17                              | 23.27                                 | 23.17                                |                        |             |      |   |
| 3                          | 16QAM      | 1       | 8         | 23.41                              | 23.32                                 | 23.15                                |                        |             |      |   |
| 3                          | 16QAM      | 1       | 14        | 23.16                              | 23.18                                 | 23.24                                | 22.5                   | 2           |      |   |
| 3                          | 16QAM      | 3       | 0         | 21.99                              | 22.01                                 | 22.01                                |                        |             |      |   |
| 3                          | 16QAM      | 8       | 4         | 21.91                              | 21.94                                 | 21.94                                |                        |             |      |   |
| 3                          | 16QAM      | 8       | 7         | 21.96                              | 21.85                                 | 21.96                                | 22.5                   | 2           |      |   |
| 3                          | 16QAM      | 15      | 0         | 21.91                              | 21.98                                 | 22.05                                |                        |             |      |   |
| 3                          | 64QAM      | 1       | 0         | 22.13                              | 22.20                                 | 22.21                                | 22.5                   | 2           |      |   |
| 3                          | 64QAM      | 1       | 1         | 22.18                              | 22.12                                 | 22.14                                |                        |             |      |   |
| 3                          | 64QAM      | 1       | 14        | 21.95                              | 21.92                                 | 21.96                                |                        |             |      |   |
| 3                          | 64QAM      | 8       | 0         | 20.93                              | 20.93                                 | 20.90                                | 21.5                   | 3           |      |   |
| 3                          | 64QAM      | 8       | 7         | 20.94                              | 20.90                                 | 20.96                                |                        |             |      |   |
| 3                          | 64QAM      | 8       | 7         | 20.89                              | 20.81                                 | 20.95                                |                        |             |      |   |
| 3                          | 256QAM     | 1       | 0         | 20.99                              | 20.91                                 | 21.02                                | 19.5                   | 5           |      |   |
| 3                          | 256QAM     | 1       | 0         | 19.00                              | 18.84                                 | 18.87                                |                        |             |      |   |
| 3                          | 256QAM     | 1       | 8         | 18.95                              | 18.88                                 | 19.01                                |                        |             |      |   |
| 3                          | 256QAM     | 1       | 8         | 18.94                              | 18.84                                 | 18.94                                | 19.5                   | 5           |      |   |
| 3                          | 256QAM     | 8       | 4         | 18.81                              | 18.83                                 | 19.02                                |                        |             |      |   |
| 3                          | 256QAM     | 8       | 7         | 18.80                              | 18.79                                 | 18.85                                |                        |             |      |   |
| 3                          | 256QAM     | 15      | 0         | 18.92                              | 18.88                                 | 18.93                                | 19.5                   | 5           |      |   |
| Channel<br>Frequency (MHz) |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 18975 19075 19075          |            |         |           |                                    |                                       |                                      |                        |             |      |   |
| 1.4                        | QPSK       | 1       | 0         | 23.98                              | 24.00                                 | 24.01                                |                        |             | 24.5 | 0 |
| 1.4                        | QPSK       | 1       | 3         | 23.94                              | 23.94                                 | 23.93                                |                        |             |      |   |
| 1.4                        | QPSK       | 1       | 23.77     | 23.86                              | 23.83                                 |                                      |                        |             |      |   |
| 1.4                        | QPSK       | 3       | 0         | 23.66                              | 23.78                                 | 23.76                                | 23.5                   | 1           |      |   |
| 1.4                        | QPSK       | 3       | 1         | 23.61                              | 23.70                                 | 23.74                                |                        |             |      |   |
| 1.4                        | QPSK       | 3       | 1         | 23.69                              | 23.70                                 | 23.77                                |                        |             |      |   |
| 1.4                        | QPSK       | 6       | 0         | 23.00                              | 22.99                                 | 23.01                                | 23.5                   | 1           |      |   |
| 1.4                        | 16QAM      | 1       | 0         | 23.17                              | 23.26                                 | 23.26                                |                        |             |      |   |
| 1.4                        | 16QAM      | 1       | 3         | 23.40                              | 23.30                                 | 23.17                                |                        |             |      |   |
| 1.4                        | 16QAM      | 1       | 5         | 23.15                              | 23.16                                 | 23.26                                | 23.5                   | 1           |      |   |
| 1.4                        | 16QAM      | 3       | 0         | 23.06                              | 23.06                                 | 23.20                                |                        |             |      |   |
| 1.4                        | 16QAM      | 3       | 1         | 23.05                              | 23.01                                 | 23.15                                |                        |             |      |   |
| 1.4                        | 16QAM      | 3       | 3         | 23.03                              | 22.97                                 | 23.15                                | 22.5                   | 2           |      |   |
| 1.4                        | 16QAM      | 6       | 0         | 22.02                              | 21.95                                 | 21.93                                |                        |             |      |   |
| 1.4                        | 64QAM      | 1       | 0         | 22.18                              | 22.20                                 | 22.15                                |                        |             |      |   |
| 1.4                        | 64QAM      | 1       | 3         | 22.19                              | 22.18                                 | 22.12                                | 22.5                   | 2           |      |   |
| 1.4                        | 64QAM      | 1       | 21.99     | 21.99                              | 21.94                                 |                                      |                        |             |      |   |
| 1.4                        | 64QAM      | 3       | 0         | 21.86                              | 21.91                                 | 21.83                                |                        |             |      |   |
| 1.4                        | 64QAM      | 3       | 1         | 21.81                              | 21.91                                 | 21.71                                | 21.5                   | 3           |      |   |
| 1.4                        | 64QAM      | 3       | 1         | 21.91                              | 21.88                                 | 21.79                                |                        |             |      |   |
| 1.4                        | 64QAM      | 6       | 0         | 20.91                              | 20.88                                 | 21.01                                |                        |             |      |   |
| 1.4                        | 256QAM     | 1       | 0         | 18.84                              | 18.95                                 | 18.95                                | 19.5                   | 5           |      |   |
| 1.4                        | 256QAM     | 1       | 5         | 18.82                              | 18.82                                 | 18.99                                |                        |             |      |   |
| 1.4                        | 256QAM     | 3       | 0         | 18.91                              | 18.91                                 | 18.91                                |                        |             |      |   |
| 1.4                        | 256QAM     | 3       | 1         | 19.00                              | 18.90                                 | 18.79                                | 19.5                   | 5           |      |   |
| 1.4                        | 256QAM     | 3       | 3         | 18.90                              | 18.90                                 | 18.93                                |                        |             |      |   |
| 1.4                        | 256QAM     | 6       | 0         | 18.82                              | 18.82                                 | 18.93                                |                        |             |      |   |

| Band 7_Ant 1    |            |         |           |                     |                        |                      |                     |          |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 20850               | 21100                  | 21350                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2110                | 2130                   | 2150                 |                     |          |  |
| 20              | QPSK       | 1       | 0         | 22.50               | 22.50                  | 22.48                | 23.5                | 0        |  |
| 20              | QPSK       | 1       | 49        | 22.41               | 22.38                  | 22.43                |                     |          |  |
| 20              | QPSK       | 1       | 99        | 22.40               | 22.41                  | 22.43                |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.48               | 22.50                  | 22.47                | 23.5                | 0        |  |
| 20              | QPSK       | 50      | 24        | 22.33               | 22.45                  | 22.38                |                     |          |  |
| 20              | QPSK       | 50      | 50        | 22.35               | 22.42                  | 22.38                |                     |          |  |
| 20              | QPSK       | 100     | 0         | 22.45               | 22.47                  | 22.43                | 23.5                | 0        |  |
| 20              | 16QAM      | 1       | 0         | 22.37               | 22.39                  | 22.41                |                     |          |  |
| 20              | 16QAM      | 1       | 49        | 22.37               | 22.35                  | 22.35                |                     |          |  |
| 20              | 16QAM      | 1       | 99        | 22.33               | 22.38                  | 22.38                | 22.5                | 1        |  |
| 20              | 16QAM      | 50      | 0         | 21.39               | 21.36                  | 21.37                |                     |          |  |
| 20              | 16QAM      | 50      | 24        | 21.42               | 21.37                  | 21.40                |                     |          |  |
| 20              | 16QAM      | 50      | 50        | 21.43               | 21.44                  | 21.38                | 22.5                | 1        |  |
| 20              | 16QAM      | 100     | 0         | 21.40               | 21.39                  | 21.39                |                     |          |  |
| 20              | 64QAM      | 1       | 49        | 21.41               | 21.45                  | 21.34                |                     |          |  |
| 20              | 64QAM      | 1       | 99        | 21.38               | 21.38                  | 21.40                | 21.5                | 2        |  |
| 20              | 64QAM      | 50      | 24        | 20.37               | 20.44                  | 20.34                |                     |          |  |
| 20              | 64QAM      | 50      | 50        | 20.43               | 20.38                  | 20.37                |                     |          |  |
| 20              | 64QAM      | 100     | 0         | 20.32               | 20.37                  | 20.37                | 19.5                | 4        |  |
| 20              | 256QAM     | 1       | 0         | 18.34               | 18.40                  | 18.31                |                     |          |  |
| 20              | 256QAM     | 1       | 49        | 18.37               | 18.41                  | 18.41                |                     |          |  |
| 20              | 256QAM     | 1       | 99        | 18.38               | 18.40                  | 18.35                | 19.5                | 4        |  |
| 20              | 256QAM     | 50      | 0         | 18.35               | 18.39                  | 18.32                |                     |          |  |
| 20              | 256QAM     | 50      | 24        | 18.41               | 18.39                  | 18.37                |                     |          |  |
| 20              | 256QAM     | 50      | 50        | 18.41               | 18.41                  | 18.33                |                     |          |  |
| 20              | 256QAM     | 100     | 0         | 18.43               | 18.41                  | 18.43                | Channel             |          |  |
| Frequency (MHz) |            |         |           | 20850               | 21100                  | 21350                | Tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 0         | 22.33               | 22.41                  | 22.33                | 23.5                | 0        |  |
| 15              | QPSK       | 1       | 37        | 22.33               | 22.31                  | 22.37                |                     |          |  |
| 15              | QPSK       | 1       | 74        | 22.30               | 22.29                  | 22.34                |                     |          |  |
| 15              | QPSK       | 36      | 0         | 22.43               | 22.43                  | 22.32                | 23.5                | 0        |  |
| 15              | QPSK       | 36      | 25        | 22.19               | 22.30                  | 22.24                |                     |          |  |
| 15              | QPSK       | 36      | 36        | 22.24               | 22.32                  | 22.29                |                     |          |  |
| 15              | QPSK       | 75      | 0         | 22.40               | 22.31                  | 22.36                | 23.5                | 0        |  |
| 15              | 16QAM      | 1       | 0         | 22.27               | 22.27                  | 22.36                |                     |          |  |
| 15              | 16QAM      | 1       | 37        | 22.23               | 22.25                  | 22.27                |                     |          |  |
| 15              | 16QAM      | 1       | 74        | 22.20               | 22.28                  | 22.28                | 22.5                | 1        |  |
| 15              | 16QAM      | 36      | 0         | 21.30               | 21.27                  | 21.31                |                     |          |  |
| 15              | 16QAM      | 36      | 25        | 21.37               | 21.28                  | 21.30                |                     |          |  |
| 15              | 16QAM      | 36      | 36        | 21.31               | 21.34                  | 21.31                | 22.5                | 1        |  |
| 15              | 16QAM      | 75      | 0         | 21.31               | 21.29                  | 21.29                |                     |          |  |
| 15              | 64QAM      | 1       | 0         | 21.28               | 21.33                  | 21.33                |                     |          |  |
| 15              | 64QAM      | 1       | 37        | 21.31               | 21.38                  | 21.24                | 21.5                | 2        |  |
| 15              | 64QAM      | 1       | 74        | 21.27               | 21.26                  | 21.32                |                     |          |  |
| 15              | 64QAM      | 36      | 0         | 20.26               | 20.38                  | 20.33                |                     |          |  |
| 15              | 64QAM      | 36      | 25        | 20.29               | 20.37                  | 20.19                | 19.5                | 2        |  |
| 15              | 64QAM      | 36      | 36        | 20.28               | 20.36                  | 20.21                |                     |          |  |
| 15              | 64QAM      | 75      | 0         | 20.17               | 20.31                  | 20.31                |                     |          |  |
| 15              | 256QAM     | 1       | 0         | 18.24               | 18.32                  | 18.22                | 19.5                | 4        |  |
| 15              | 256QAM     | 1       | 37        | 18.22               | 18.33                  | 18.32                |                     |          |  |
| 15              | 256QAM     | 1       | 74        | 18.28               | 18.34                  | 18.21                |                     |          |  |
| 15              | 256QAM     | 36      | 0         | 18.30               | 18.25                  | 18.25                | 19.5                | 4        |  |
| 15              | 256QAM     | 36      | 25        | 18.27               | 18.25                  | 18.25                |                     |          |  |
| 15              | 256QAM     | 36      | 36        | 18.35               | 18.35                  | 18.18                |                     |          |  |
| 15              | 256QAM     | 75      | 0         | 18.32               | 18.28                  | 18.17                | Channel             |          |  |
| Frequency (MHz) |            |         |           | 20850               | 21100                  | 21350                | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 0         | 22.41               | 22.47                  | 22.52                | 23.5                | 0        |  |
| 10              | QPSK       | 1       | 25        | 22.32               | 22.38                  | 22.27                |                     |          |  |
| 10              | QPSK       | 1       | 49        | 22.32               | 22.39                  | 22.33                |                     |          |  |
| 10              | QPSK       | 25      | 0         | 22.40               | 22.40                  | 22.36                | 23.5                | 0        |  |
| 10              | QPSK       | 25      | 12        | 22.21               | 22.37                  | 22.31                |                     |          |  |
| 10              | QPSK       | 25      | 25        | 22.24               | 22.26                  | 22.25                |                     |          |  |
| 10              | QPSK       | 50      | 0         | 22.38               | 22.39                  | 22.31                | 23.5                | 0        |  |
| 10              | 16QAM      | 1       | 0         | 22.31               | 22.28                  | 22.25                |                     |          |  |
| 10              | 16QAM      | 1       | 25        | 22.28               | 22.24                  | 22.25                |                     |          |  |
| 10              | 16QAM      | 1       | 49        | 22.23               | 22.32                  | 22.30                | 22.5                | 0        |  |
| 10              | 16QAM      | 25      | 0         | 21.32               | 21.29                  | 21.30                |                     |          |  |
| 10              | 16QAM      | 25      | 12        | 21.27               | 21.21                  | 21.28                |                     |          |  |
| 10              | 16QAM      | 25      | 25        | 21.29               | 21.37                  | 21.24                | 22.5                | 1        |  |
| 10              | 16QAM      | 50      | 0         | 21.31               | 21.27                  | 21.34                |                     |          |  |
| 10              | 64QAM      | 1       | 0         | 21.30               | 21.29                  | 21.32                |                     |          |  |
| 10              | 64QAM      | 1       | 25        | 21.34               | 21.39                  | 21.28                | 22.5                | 1        |  |
| 10              | 64QAM      | 1       | 49        | 21.22               | 21.21                  | 21.35                |                     |          |  |
| 10              | 64QAM      | 25      | 0         | 20.23               | 20.34                  | 20.28                |                     |          |  |
| 10              | 64QAM      | 25      | 12        | 20.23               | 20.38                  | 20.20                | 21.5                | 2        |  |
| 10              | 64QAM      | 25      | 25        | 20.33               | 20.26                  | 20.29                |                     |          |  |
| 10              | 64QAM      | 50      | 0         | 20.19               | 20.25                  | 20.22                |                     |          |  |
| 10              | 256QAM     | 1       | 0         | 18.18               | 18.29                  | 18.21                | 19.5                | 4        |  |
| 10              | 256QAM     | 1       | 25        | 18.25               | 18.26                  | 18.26                |                     |          |  |
| 10              | 256QAM     | 1       | 49        | 18.33               | 18.27                  | 18.26                |                     |          |  |
| 10              | 256QAM     | 25      | 0         | 18.22               | 18.22                  | 18.17                | 19.5                | 4        |  |
| 10              | 256QAM     | 25      | 12        | 18.30               | 18.29                  | 18.23                |                     |          |  |
| 10              | 256QAM     | 25      | 25        | 18.31               | 18.31                  | 18.27                |                     |          |  |
| 10              | 256QAM     | 50      | 0         | 18.32               | 18.27                  | 18.36                | Channel             |          |  |
| Frequency (MHz) |            |         |           | 20850               | 21100                  | 21350                | Tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 0         | 22.43               | 22.43                  | 22.40                | 23.5                | 0        |  |
| 5               | QPSK       | 1       | 12        | 22.34               | 22.25                  | 22.34                |                     |          |  |
| 5               | QPSK       | 1       | 24        | 22.26               | 22.35                  | 22.34                |                     |          |  |
| 5               | QPSK       | 12      | 0         | 22.41               | 22.40                  | 22.38                | 23.5                | 0        |  |
| 5               | QPSK       | 12      | 7         | 22.26               | 22.29                  | 22.23                |                     |          |  |
| 5               | QPSK       | 12      | 13        | 22.21               | 22.26                  | 22.26                |                     |          |  |
| 5               | QPSK       | 25      | 0         | 22.39               | 22.38                  | 22.33                | 23.5                | 0        |  |
| 5               | 16QAM      | 1       | 0         | 22.32               | 22.35                  | 22.27                |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 22.25               | 22.29                  | 22.22                |                     |          |  |
| 5               | 16QAM      | 1       | 24        | 22.23               | 22.31                  | 22.31                | 22.5                | 1        |  |
| 5               | 16QAM      | 12      | 0         | 21.25               | 21.31                  | 21.22                |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 21.33               | 21.22                  | 21.27                |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 21.32               | 21.31                  | 21.28                | 22.5                | 1        |  |
| 5               | 16QAM      | 25      | 0         | 21.33               | 21.23                  | 21.28                |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 21.29               | 21.37                  | 21.34                |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 21.28               | 21.34                  | 21.24                | 22.5                | 1        |  |
| 5               | 64QAM      | 1       | 24        | 21.23               | 21.28                  | 21.31                |                     |          |  |
| 5               | 64QAM      | 12      | 0         | 20.24               | 20.35                  | 20.28                |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 20.22               | 20.38                  | 20.22                | 21.5                | 2        |  |
| 5               | 64QAM      | 12      | 13        | 20.33               | 20.27                  | 20.28                |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 20.17               | 20.29                  | 20.30                |                     |          |  |
| 5               | 256QAM     | 1       | 0         | 18.18               | 18.33                  | 18.21                | 19.5                | 4        |  |
| 5               | 256QAM     | 1       | 12        | 18.25               | 18.27                  | 18.33                |                     |          |  |
| 5               | 256QAM     | 1       | 24        | 18.33               | 18.35                  | 18.25                |                     |          |  |
| 5               | 256QAM     | 12      | 0         | 18.24               | 18.25                  | 18.21                | 19.5                | 4        |  |
| 5               | 256QAM     | 12      | 7         | 18.34               | 18.29                  | 18.31                |                     |          |  |
| 5               | 256QAM     | 12      | 13        | 18.26               | 18.26                  | 18.17                |                     |          |  |
| 5               | 256QAM     | 25      | 0         | 18.28               | 18.25                  | 18.30                |                     |          |  |



# Inter band UL CA Reduced Power for State 1

## Band 2\_Ant 2

| BW (MHz)                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. Freq. | Power<br>Midle<br>Ch. Freq. | Power<br>High<br>Ch. Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
|----------------------------|------------|---------|-----------|---------------------------|-----------------------------|----------------------------|------------------------|-------------|--|
| Channel<br>Frequency (MHz) |            |         |           |                           |                             |                            |                        |             |  |
| 18700 18900 19100          |            |         |           |                           |                             |                            |                        |             |  |
| 20                         | QPSK       | 1       | 0         | 17.07                     | 17.10                       | 17.08                      | 17.5                   | 0           |  |
| 20                         | QPSK       | 1       | 49        | 16.89                     | 17.02                       | 16.95                      |                        | 0           |  |
| 20                         | QPSK       | 1       | 99        | 17.06                     | 17.01                       | 16.91                      |                        | 0           |  |
| 20                         | QPSK       | 50      | 0         | 17.05                     | 17.08                       | 17.05                      | 17.5                   | 0           |  |
| 20                         | QPSK       | 50      | 24        | 16.94                     | 17.01                       | 16.90                      |                        | 0           |  |
| 20                         | QPSK       | 50      | 50        | 16.90                     | 16.95                       | 16.95                      |                        | 0           |  |
| 20                         | QPSK       | 100     | 0         | 17.02                     | 17.06                       | 17.04                      | 17.5                   | 0           |  |
| 20                         | 16QAM      | 1       | 0         | 16.90                     | 16.93                       | 16.91                      |                        | 0           |  |
| 20                         | 16QAM      | 1       | 49        | 16.97                     | 16.95                       | 16.94                      |                        | 0           |  |
| 20                         | 16QAM      | 1       | 99        | 16.92                     | 17.02                       | 17.00                      | 17.5                   | 0           |  |
| 20                         | 16QAM      | 50      | 0         | 16.98                     | 16.99                       | 16.93                      |                        | 0           |  |
| 20                         | 16QAM      | 50      | 24        | 16.94                     | 17.00                       | 16.94                      |                        | 0           |  |
| 20                         | 16QAM      | 50      | 50        | 16.90                     | 16.94                       | 16.99                      | 17.5                   | 0           |  |
| 20                         | 16QAM      | 100     | 0         | 17.00                     | 16.95                       | 16.95                      |                        | 0           |  |
| 20                         | 16QAM      | 100     | 0         | 16.95                     | 17.02                       | 17.00                      |                        | 0           |  |
| 20                         | 64QAM      | 1       | 0         | 16.97                     | 16.96                       | 16.96                      | 17.5                   | 0           |  |
| 20                         | 64QAM      | 1       | 49        | 16.97                     | 16.96                       | 16.96                      |                        | 0           |  |
| 20                         | 64QAM      | 50      | 0         | 16.93                     | 16.94                       | 16.90                      |                        | 0           |  |
| 20                         | 64QAM      | 50      | 24        | 16.99                     | 16.92                       | 16.93                      | 17.5                   | 0           |  |
| 20                         | 64QAM      | 50      | 50        | 16.95                     | 16.95                       | 16.90                      |                        | 0           |  |
| 20                         | 64QAM      | 100     | 0         | 16.93                     | 16.94                       | 16.95                      |                        | 0           |  |
| 20                         | 256QAM     | 1       | 0         | 16.95                     | 16.96                       | 16.91                      | 17.5                   | 0           |  |
| 20                         | 256QAM     | 1       | 49        | 16.99                     | 16.93                       | 16.90                      |                        | 0           |  |
| 20                         | 256QAM     | 1       | 99        | 16.97                     | 17.01                       | 16.98                      |                        | 0           |  |
| 20                         | 256QAM     | 50      | 0         | 16.95                     | 16.96                       | 16.99                      | 17.5                   | 0           |  |
| 20                         | 256QAM     | 50      | 24        | 16.95                     | 16.94                       | 16.96                      |                        | 0           |  |
| 20                         | 256QAM     | 50      | 50        | 16.94                     | 16.97                       | 16.95                      |                        | 0           |  |
| 20                         | 256QAM     | 100     | 0         | 16.97                     | 16.99                       | 16.92                      | 17.5                   | 0           |  |
| Channel<br>Frequency (MHz) |            |         |           |                           |                             |                            |                        |             |  |
| 18675 18900 19125          |            |         |           |                           |                             |                            |                        |             |  |
| 15                         | QPSK       | 1       | 0         | 16.97                     | 16.96                       | 16.93                      | 17.5                   | 0           |  |
| 15                         | QPSK       | 1       | 37        | 16.91                     | 16.93                       | 16.93                      |                        | 0           |  |
| 15                         | QPSK       | 1       | 74        | 16.96                     | 16.99                       | 16.96                      |                        | 0           |  |
| 15                         | QPSK       | 36      | 0         | 16.94                     | 16.99                       | 17.01                      | 17.5                   | 0           |  |
| 15                         | QPSK       | 36      | 36        | 16.90                     | 16.93                       | 16.99                      |                        | 0           |  |
| 15                         | QPSK       | 75      | 0         | 16.97                     | 17.01                       | 16.90                      |                        | 0           |  |
| 15                         | 16QAM      | 1       | 0         | 16.98                     | 16.99                       | 16.99                      | 17.5                   | 0           |  |
| 15                         | 16QAM      | 1       | 37        | 16.99                     | 16.94                       | 16.97                      |                        | 0           |  |
| 15                         | 16QAM      | 1       | 74        | 16.96                     | 16.97                       | 17.01                      |                        | 0           |  |
| 15                         | 16QAM      | 36      | 0         | 16.95                     | 16.97                       | 16.95                      | 17.5                   | 0           |  |
| 15                         | 16QAM      | 36      | 36        | 16.90                     | 17.01                       | 16.97                      |                        | 0           |  |
| 15                         | 16QAM      | 75      | 0         | 16.90                     | 17.03                       | 16.98                      |                        | 0           |  |
| 15                         | 64QAM      | 1       | 0         | 16.92                     | 16.95                       | 16.90                      | 17.5                   | 0           |  |
| 15                         | 64QAM      | 1       | 37        | 16.98                     | 17.01                       | 16.93                      |                        | 0           |  |
| 15                         | 64QAM      | 1       | 74        | 16.95                     | 17.00                       | 16.91                      |                        | 0           |  |
| 15                         | 64QAM      | 36      | 0         | 16.92                     | 16.95                       | 16.90                      | 17.5                   | 0           |  |
| 15                         | 64QAM      | 36      | 36        | 16.90                     | 17.01                       | 16.94                      |                        | 0           |  |
| 15                         | 64QAM      | 75      | 0         | 16.93                     | 17.03                       | 17.01                      |                        | 0           |  |
| 15                         | 256QAM     | 1       | 0         | 16.95                     | 17.00                       | 16.95                      | 17.5                   | 0           |  |
| 15                         | 256QAM     | 1       | 37        | 16.99                     | 16.96                       | 16.96                      |                        | 0           |  |
| 15                         | 256QAM     | 1       | 74        | 16.97                     | 16.97                       | 16.92                      |                        | 0           |  |
| 15                         | 256QAM     | 36      | 0         | 16.98                     | 16.99                       | 16.98                      | 17.5                   | 0           |  |
| 15                         | 256QAM     | 36      | 36        | 16.95                     | 16.97                       | 16.97                      |                        | 0           |  |
| 15                         | 256QAM     | 36      | 74        | 16.91                     | 17.01                       | 16.91                      |                        | 0           |  |
| 15                         | 256QAM     | 75      | 0         | 16.99                     | 16.95                       | 16.90                      | 17.5                   | 0           |  |
| Channel<br>Frequency (MHz) |            |         |           |                           |                             |                            |                        |             |  |
| 18675 18900 19125          |            |         |           |                           |                             |                            |                        |             |  |
| 10                         | QPSK       | 1       | 0         | 16.92                     | 16.93                       | 16.90                      | 17.5                   | 0           |  |
| 10                         | QPSK       | 1       | 25        | 16.96                     | 16.90                       | 16.90                      |                        | 0           |  |
| 10                         | QPSK       | 1       | 49        | 16.89                     | 17.03                       | 16.90                      |                        | 0           |  |
| 10                         | QPSK       | 25      | 0         | 17.00                     | 16.96                       | 16.90                      | 17.5                   | 0           |  |
| 10                         | QPSK       | 25      | 12        | 16.96                     | 16.93                       | 16.98                      |                        | 0           |  |
| 10                         | QPSK       | 25      | 25        | 16.95                     | 16.96                       | 16.93                      |                        | 0           |  |
| 10                         | QPSK       | 50      | 0         | 16.92                     | 16.98                       | 16.92                      | 17.5                   | 0           |  |
| 10                         | 16QAM      | 1       | 0         | 16.88                     | 16.96                       | 17.01                      |                        | 0           |  |
| 10                         | 16QAM      | 1       | 25        | 17.00                     | 16.95                       | 16.92                      |                        | 0           |  |
| 10                         | 16QAM      | 1       | 49        | 17.00                     | 16.98                       | 16.94                      | 17.5                   | 0           |  |
| 10                         | 16QAM      | 25      | 0         | 16.93                     | 17.00                       | 16.95                      |                        | 0           |  |
| 10                         | 16QAM      | 25      | 12        | 16.95                     | 16.92                       | 17.00                      |                        | 0           |  |
| 10                         | 16QAM      | 25      | 25        | 16.99                     | 16.95                       | 16.90                      | 17.5                   | 0           |  |
| 10                         | 16QAM      | 50      | 0         | 16.92                     | 17.00                       | 17.01                      |                        | 0           |  |
| 10                         | 64QAM      | 1       | 0         | 17.00                     | 16.96                       | 16.98                      |                        | 0           |  |
| 10                         | 64QAM      | 1       | 25        | 16.91                     | 17.02                       | 16.94                      | 17.5                   | 0           |  |
| 10                         | 64QAM      | 1       | 49        | 16.93                     | 16.93                       | 16.99                      |                        | 0           |  |
| 10                         | 64QAM      | 25      | 0         | 16.96                     | 16.96                       | 16.97                      |                        | 0           |  |
| 10                         | 64QAM      | 25      | 12        | 16.99                     | 16.94                       | 16.96                      | 17.5                   | 0           |  |
| 10                         | 64QAM      | 25      | 25        | 16.99                     | 16.96                       | 16.90                      |                        | 0           |  |
| 10                         | 64QAM      | 50      | 0         | 17.00                     | 17.01                       | 16.94                      |                        | 0           |  |
| 10                         | 256QAM     | 1       | 0         | 16.91                     | 16.98                       | 16.97                      | 17.5                   | 0           |  |
| 10                         | 256QAM     | 1       | 25        | 17.00                     | 16.94                       | 16.97                      |                        | 0           |  |
| 10                         | 256QAM     | 1       | 49        | 16.93                     | 17.03                       | 16.92                      |                        | 0           |  |
| 10                         | 256QAM     | 25      | 0         | 16.89                     | 16.94                       | 16.90                      | 17.5                   | 0           |  |
| 10                         | 256QAM     | 25      | 12        | 16.97                     | 16.94                       | 16.90                      |                        | 0           |  |
| 10                         | 256QAM     | 25      | 25        | 16.93                     | 16.93                       | 16.95                      |                        | 0           |  |
| 10                         | 256QAM     | 50      | 0         | 16.91                     | 16.99                       | 16.93                      | 17.5                   | 0           |  |
| Channel<br>Frequency (MHz) |            |         |           |                           |                             |                            |                        |             |  |
| 18675 18900 19125          |            |         |           |                           |                             |                            |                        |             |  |
| 5                          | QPSK       | 1       | 0         | 16.99                     | 16.95                       | 16.98                      | 17.5                   | 0           |  |
| 5                          | QPSK       | 1       | 12        | 16.97                     | 16.90                       | 16.90                      |                        | 0           |  |
| 5                          | QPSK       | 1       | 24        | 16.94                     | 16.94                       | 16.96                      |                        | 0           |  |
| 5                          | QPSK       | 12      | 0         | 16.93                     | 17.01                       | 16.92                      | 17.5                   | 0           |  |
| 5                          | QPSK       | 12      | 7         | 16.95                     | 16.96                       | 16.92                      |                        | 0           |  |
| 5                          | QPSK       | 12      | 13        | 16.99                     | 17.00                       | 16.92                      |                        | 0           |  |
| 5                          | QPSK       | 25      | 0         | 16.93                     | 16.99                       | 16.95                      | 17.5                   | 0           |  |
| 5                          | 16QAM      | 1       | 0         | 16.90                     | 17.01                       | 16.99                      |                        | 0           |  |
| 5                          | 16QAM      | 1       | 12        | 16.96                     | 16.95                       | 16.93                      |                        | 0           |  |
| 5                          | 16QAM      | 1       | 24        | 16.95                     | 16.93                       | 16.93                      | 17.5                   | 0           |  |
| 5                          | 16QAM      | 12      | 0         | 16.95                     | 16.99                       | 16.92                      |                        | 0           |  |
| 5                          | 16QAM      | 12      | 7         | 16.89                     | 16.92                       | 16.95                      |                        | 0           |  |
| 5                          | 16QAM      | 12      | 13        | 16.99                     | 16.95                       | 17.01                      | 17.5                   | 0           |  |
| 5                          | 16QAM      | 25      | 0         | 16.89                     | 16.93                       | 16.90                      |                        | 0           |  |
| 5                          | 64QAM      | 1       | 0         | 16.93                     | 16.98                       | 17.00                      |                        | 0           |  |
| 5                          | 64QAM      | 1       | 12        | 16.90                     | 16.98                       | 17.01                      | 17.5                   | 0           |  |
| 5                          | 64QAM      | 1       | 24        | 16.90                     | 16.93                       | 17.00                      |                        | 0           |  |
| 5                          | 64QAM      | 12      | 0         | 16.92                     | 16.93                       | 17.01                      |                        | 0           |  |
| 5                          | 64QAM      | 12      | 7         | 16.96                     | 16.96                       | 16.90                      | 17.5                   | 0           |  |
| 5                          | 64QAM      | 12      | 13        | 16.94                     | 16.96                       | 16.93                      |                        | 0           |  |
| 5                          | 64QAM      | 25      | 0         | 16.93                     | 16.96                       | 16.90                      |                        | 0           |  |
| 5                          | 256QAM     | 1       | 0         | 17.00                     | 16.94                       | 16.97                      | 17.5                   | 0           |  |
| 5                          | 256QAM     | 1       | 12        | 16.97                     | 17.03                       | 16.92                      |                        | 0           |  |
| 5                          | 256QAM     | 1       | 24        | 16.92                     | 17.03                       | 16.95                      |                        | 0           |  |
| 5                          | 256QAM     | 12      | 0         | 16.95                     | 16.97                       | 17.00                      | 17.5                   | 0           |  |
| 5                          | 256QAM     | 12      | 7         | 17.00                     | 16.93                       | 16.96                      |                        | 0           |  |
| 5                          | 256QAM     | 12      | 13        | 16.93                     | 17.00                       | 16.95                      |                        | 0           |  |
| 5                          | 256QAM     | 25      | 0         | 16.90                     | 16.96                       | 16.97                      | 17.5                   | 0           |  |
| Channel<br>Frequency (MHz) |            |         |           |                           |                             |                            |                        |             |  |
| 18675 18900 19125          |            |         |           |                           |                             |                            |                        |             |  |
| 3                          | QPSK       | 1       | 0         | 16.91                     | 16.94                       | 16.92                      | 17.5                   | 0           |  |
| 3                          | QPSK       | 1       | 14        | 16.94                     | 16.93                       | 16.91                      |                        | 0           |  |
| 3                          | QPSK       | 1       | 14        | 16.95                     | 17.02                       | 16.91                      |                        | 0           |  |
| 3                          | QPSK       | 8       | 0         | 16.90                     | 17.01                       | 16.96                      | 17.5                   | 0           |  |
| 3                          | QPSK       | 8       | 8         | 16.90                     | 16.93                       | 17.00                      |                        | 0           |  |
| 3                          | QPSK       | 8       | 7         | 16.93                     | 16.96                       | 16.90                      |                        | 0           |  |
| 3                          | QPSK       | 15      | 0         | 16.92                     | 16.97                       | 17.03                      | 17.5                   | 0           |  |
| 3                          | 16QAM      | 1       | 0         | 16.99                     | 16.94                       | 17.01                      |                        | 0           |  |
| 3                          | 16QAM      | 1       | 8         | 16.96                     | 17.02                       | 16.95                      |                        | 0           |  |
| 3                          | 16QAM      | 1       | 14        | 16.97                     | 16.93                       | 16.92                      | 17.5                   | 0           |  |
| 3                          | 16QAM      | 8       | 0         | 16.94                     | 16.95                       | 16.92                      |                        | 0           |  |
| 3                          | 16QAM      | 8       | 4         | 16.95                     | 16.97                       | 16.94                      |                        | 0           |  |
| 3                          | 16QAM      | 8       | 0         | 17.00                     | 16.96                       | 16.95                      | 17.5                   | 0           |  |
| 3                          | 16QAM      | 15      | 0         | 16.90                     | 16.94                       | 16.90                      |                        | 0           |  |
| 3                          | 64QAM      | 1       | 0         | 16.96                     | 17.02                       | 16.96                      | 17.5                   | 0           |  |
| 3                          | 64QAM      | 1       | 8         | 16.99                     | 16.93                       | 16.95                      |                        | 0           |  |
| 3                          | 64QAM      | 1       | 14        | 16.93                     | 16.99                       | 16.99                      |                        | 0           |  |
| 3                          | 64QAM      | 8       | 0         | 16.97                     | 17.03                       | 16.98                      | 17.5                   | 0           |  |
| 3                          | 64QAM      | 8       | 8         | 16.93                     | 16.93                       | 16.95                      |                        | 0           |  |
| 3                          | 64QAM      | 8       | 7         | 17.00                     | 16.99                       | 16.95                      |                        | 0           |  |
| 3                          | 64QAM      | 15      | 0         | 16.91                     | 17.01                       | 16.92                      | 17.5                   | 0           |  |
| 3                          | 256QAM     | 1       | 0         | 17.00                     | 16.96                       | 17.00                      |                        | 0           |  |
| 3                          | 256QAM     | 1       | 8         | 16.89                     | 17.01                       | 16.93                      |                        | 0           |  |
| 3                          | 256QAM     | 1       | 14        | 16.97                     | 17.05                       | 16.99                      | 17.5                   | 0           |  |
| 3                          | 256QAM     | 8       | 0         | 16.93                     | 17.03                       | 16.94                      |                        | 0           |  |
| 3                          | 256QAM     | 8       | 8         | 16.99                     | 16.96                       | 16.95                      |                        | 0           |  |
| 3                          | 256QAM     | 8       | 4         | 16.99                     | 16.96                       | 16.95                      | 17.5                   | 0           |  |
| 3                          | 256QAM     | 15      | 0         | 16.92                     | 16.96                       | 17.00                      |                        | 0           |  |
| 3                          | 256QAM     | 15      | 0         | 16.93                     | 16.98                       | 16.96                      |                        | 0           |  |
| Channel<br>Frequency (MHz) |            |         |           |                           |                             |                            |                        |             |  |
| 18675 18900 19125          |            |         |           |                           |                             |                            |                        |             |  |
| 1.4                        | QPSK       | 1       | 0         | 16.99                     | 16.96                       | 16.92                      | 17.5                   | 0           |  |
| 1.4                        | QPSK       | 1       | 3         | 17.00                     | 17.02                       | 16.96                      |                        | 0           |  |
| 1.4                        | QPSK       | 1       | 10.5      | 17.00                     | 17.00                       | 16.93                      |                        | 0           |  |
| 1.4                        | QPSK       | 3       | 0         | 16.93                     | 17.01                       | 16.92                      | 17.5                   | 0           |  |
| 1.4                        | QPSK       | 3       | 1         | 17.00                     | 16.99                       | 16.94                      |                        | 0           |  |
| 1.4                        | QPSK       | 3       | 1         | 16.91                     | 17.02                       | 16.93                      |                        | 0           |  |
| 1.4                        | QPSK       | 6       | 0         | 16.94                     | 16.95                       | 16.96                      | 17.5                   | 0           |  |
| 1.4                        | 16QAM      | 1       | 0         | 16.97                     | 16.96                       | 16.94                      |                        | 0           |  |
| 1.4                        | 16QAM      | 1       | 3         | 16.98                     | 16.99                       | 16.97                      |                        | 0           |  |
| 1.4                        | 16QAM      | 1       | 5         | 17.00                     | 16.94                       | 16.96                      | 17.5                   | 0           |  |
| 1.4                        | 16QAM      | 3       | 0         | 16.83                     | 16.93                       | 16.94                      |                        | 0           |  |
| 1.4                        | 16QAM      | 3       | 1         | 16.93                     | 16.93                       | 16.96                      |                        | 0           |  |
| 1.4                        | 16QAM      | 3       | 1         | 16.96                     | 16.99                       | 16.95                      | 17.5                   | 0           |  |
| 1.4                        | 16QAM      | 3       | 1         | 16.92                     | 16.97                       | 16.94                      |                        | 0           |  |
| 1.4                        | 16QAM      | 3       | 1         | 16.96                     | 16.99                       | 16.95                      |                        | 0           |  |
| 1.4                        | 64QAM      | 1       | 0         | 16.98                     | 17.01                       | 16.94                      | 17.5                   | 0           |  |
| 1.4                        | 64QAM      | 1       | 3         | 16.92                     | 16.97                       | 16.99                      |                        | 0           |  |
| 1.4                        | 64QAM      | 1       | 3         | 16.95                     | 16.97                       | 17.00                      |                        | 0           |  |
| 1.4                        | 64QAM      | 3       | 0         | 16.91                     | 16.99                       | 16.91                      | 17.5                   | 0           |  |
| 1.4                        | 64QAM      | 3       | 1         | 16.95                     | 16.97                       | 16.99                      |                        | 0           |  |
| 1.4                        | 64QAM      | 3       | 1         | 16.96                     | 16.97                       | 16.99                      |                        | 0           |  |
| 1.4                        | 64QAM      | 6       | 0         | 16.91                     | 16.98                       | 16.91                      | 17.5                   | 0           |  |
| 1.4                        | 256QAM     | 1       | 0         | 17.00                     | 16.95                       | 16.95                      |                        | 0           |  |
| 1.4                        | 256QAM     | 1       | 3         | 16.94                     | 16.98                       | 16.95                      |                        | 0           |  |
| 1.4                        | 256QAM     | 1       | 5         | 16.94                     | 16.93                       | 16.91                      | 17.5                   | 0           |  |
| 1.4                        | 256QAM     | 1       | 5         | 16.95                     | 16.96                       | 16.96                      |                        | 0           |  |
| 1.4                        | 256QAM     | 3       | 1         | 16.93                     | 1                           |                            |                        |             |  |

| Band 7_Ant 1    |            |         |           |                     |                        |                      |                     |          |  |          |  |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |  |          |  |
| Channel         |            |         |           | 20850               | 21100                  | 21350                | Tune-up limit (dBm) | MPR (dB) |  |          |  |
| Frequency (MHz) |            |         |           | 2110                | 2130                   | 2150                 |                     |          |  |          |  |
| 20              | QPSK       | 1       | 0         | 22.50               | 22.50                  | 22.48                | 23.5                | 0        |  |          |  |
| 20              | QPSK       | 1       | 48        | 22.41               | 22.38                  | 22.43                |                     |          |  |          |  |
| 20              | QPSK       | 1       | 96        | 22.40               | 22.41                  | 22.43                |                     |          |  |          |  |
| 20              | QPSK       | 50      | 0         | 22.48               | 22.50                  | 22.47                | 23.5                | 0        |  |          |  |
| 20              | QPSK       | 50      | 24        | 22.33               | 22.45                  | 22.38                |                     |          |  |          |  |
| 20              | QPSK       | 50      | 50        | 22.35               | 22.42                  | 22.38                |                     |          |  |          |  |
| 20              | QPSK       | 100     | 0         | 22.45               | 22.47                  | 22.43                | 23.5                | 0        |  |          |  |
| 20              | 16QAM      | 1       | 0         | 22.37               | 22.39                  | 22.41                |                     |          |  |          |  |
| 20              | 16QAM      | 1       | 48        | 22.37               | 22.35                  | 22.35                |                     |          |  |          |  |
| 20              | 16QAM      | 1       | 96        | 22.33               | 22.38                  | 22.38                | 22.5                | 1        |  |          |  |
| 20              | 16QAM      | 50      | 0         | 21.39               | 21.36                  | 21.37                |                     |          |  |          |  |
| 20              | 16QAM      | 50      | 24        | 21.42               | 21.37                  | 21.40                |                     |          |  |          |  |
| 20              | 16QAM      | 50      | 50        | 21.43               | 21.44                  | 21.38                | 22.5                | 1        |  |          |  |
| 20              | 16QAM      | 100     | 0         | 21.40               | 21.39                  | 21.39                |                     |          |  |          |  |
| 20              | 64QAM      | 1       | 0         | 21.37               | 21.45                  | 21.42                |                     |          |  |          |  |
| 20              | 64QAM      | 1       | 48        | 21.41               | 21.45                  | 21.34                | 22.5                | 1        |  |          |  |
| 20              | 64QAM      | 1       | 96        | 21.38               | 21.38                  | 21.40                |                     |          |  |          |  |
| 20              | 64QAM      | 50      | 24        | 20.37               | 20.44                  | 20.34                |                     |          |  |          |  |
| 20              | 64QAM      | 50      | 50        | 20.43               | 20.38                  | 20.37                | 21.5                | 2        |  |          |  |
| 20              | 64QAM      | 100     | 0         | 20.32               | 20.37                  | 20.37                |                     |          |  |          |  |
| 20              | 256QAM     | 1       | 0         | 18.34               | 18.40                  | 18.31                |                     |          |  |          |  |
| 20              | 256QAM     | 1       | 48        | 18.37               | 18.41                  | 18.41                | 19.5                | 4        |  |          |  |
| 20              | 256QAM     | 1       | 96        | 18.38               | 18.40                  | 18.35                |                     |          |  |          |  |
| 20              | 256QAM     | 50      | 0         | 18.35               | 18.39                  | 18.32                |                     |          |  |          |  |
| 20              | 256QAM     | 50      | 24        | 18.41               | 18.37                  | 18.37                | 19.5                | 4        |  |          |  |
| 20              | 256QAM     | 50      | 50        | 18.41               | 18.41                  | 18.33                |                     |          |  |          |  |
| 20              | 256QAM     | 100     | 0         | 18.43               | 18.41                  | 18.43                |                     |          |  | Channel  |  |
| Frequency (MHz) |            |         |           | 20850               | 21100                  | 21350                | Tune-up limit (dBm) |          |  | MPR (dB) |  |
| 15              | QPSK       | 1       | 0         | 22.33               | 22.41                  | 22.33                | 23.5                | 0        |  |          |  |
| 15              | QPSK       | 1       | 37        | 22.33               | 22.31                  | 22.37                |                     |          |  |          |  |
| 15              | QPSK       | 1       | 74        | 22.30               | 22.29                  | 22.34                |                     |          |  |          |  |
| 15              | QPSK       | 36      | 0         | 22.43               | 22.43                  | 22.32                | 23.5                | 0        |  |          |  |
| 15              | QPSK       | 36      | 20        | 22.19               | 22.30                  | 22.24                |                     |          |  |          |  |
| 15              | QPSK       | 36      | 36        | 22.24               | 22.32                  | 22.29                |                     |          |  |          |  |
| 15              | QPSK       | 75      | 0         | 22.40               | 22.31                  | 22.36                | 23.5                | 0        |  |          |  |
| 15              | 16QAM      | 1       | 0         | 22.27               | 22.27                  | 22.38                |                     |          |  |          |  |
| 15              | 16QAM      | 1       | 37        | 22.23               | 22.25                  | 22.27                |                     |          |  |          |  |
| 15              | 16QAM      | 1       | 74        | 22.20               | 22.28                  | 22.28                | 22.5                | 1        |  |          |  |
| 15              | 16QAM      | 36      | 0         | 21.30               | 21.27                  | 21.31                |                     |          |  |          |  |
| 15              | 16QAM      | 36      | 20        | 21.37               | 21.28                  | 21.30                |                     |          |  |          |  |
| 15              | 16QAM      | 36      | 36        | 21.31               | 21.34                  | 21.31                | 22.5                | 1        |  |          |  |
| 15              | 16QAM      | 75      | 0         | 21.31               | 21.29                  | 21.29                |                     |          |  |          |  |
| 15              | 64QAM      | 1       | 0         | 21.28               | 21.33                  | 21.33                |                     |          |  |          |  |
| 15              | 64QAM      | 1       | 37        | 21.31               | 21.38                  | 21.24                | 22.5                | 1        |  |          |  |
| 15              | 64QAM      | 1       | 74        | 21.27               | 21.26                  | 21.32                |                     |          |  |          |  |
| 15              | 64QAM      | 36      | 0         | 20.26               | 20.38                  | 20.33                |                     |          |  |          |  |
| 15              | 64QAM      | 36      | 20        | 20.29               | 20.37                  | 20.19                | 21.5                | 2        |  |          |  |
| 15              | 64QAM      | 36      | 36        | 20.28               | 20.36                  | 20.21                |                     |          |  |          |  |
| 15              | 64QAM      | 75      | 0         | 20.17               | 20.31                  | 20.31                |                     |          |  |          |  |
| 15              | 256QAM     | 1       | 0         | 18.24               | 18.32                  | 18.22                | 19.5                | 4        |  |          |  |
| 15              | 256QAM     | 1       | 37        | 18.22               | 18.33                  | 18.32                |                     |          |  |          |  |
| 15              | 256QAM     | 1       | 74        | 18.28               | 18.34                  | 18.21                |                     |          |  |          |  |
| 15              | 256QAM     | 36      | 0         | 18.30               | 18.25                  | 18.25                | 19.5                | 4        |  |          |  |
| 15              | 256QAM     | 36      | 20        | 18.27               | 18.25                  | 18.25                |                     |          |  |          |  |
| 15              | 256QAM     | 36      | 36        | 18.35               | 18.35                  | 18.18                |                     |          |  |          |  |
| 15              | 256QAM     | 75      | 0         | 18.32               | 18.28                  | 18.17                | Channel             |          |  |          |  |
| Frequency (MHz) |            |         |           | 20850               | 21100                  | 21350                | Tune-up limit (dBm) | MPR (dB) |  |          |  |
| 10              | QPSK       | 1       | 0         | 22.41               | 22.47                  | 22.52                | 23.5                | 0        |  |          |  |
| 10              | QPSK       | 1       | 25        | 22.32               | 22.38                  | 22.27                |                     |          |  |          |  |
| 10              | QPSK       | 1       | 48        | 22.32               | 22.39                  | 22.33                |                     |          |  |          |  |
| 10              | QPSK       | 25      | 0         | 22.40               | 22.40                  | 22.36                | 23.5                | 0        |  |          |  |
| 10              | QPSK       | 25      | 12        | 22.21               | 22.37                  | 22.31                |                     |          |  |          |  |
| 10              | QPSK       | 25      | 25        | 22.24               | 22.26                  | 22.25                |                     |          |  |          |  |
| 10              | QPSK       | 50      | 0         | 22.38               | 22.39                  | 22.31                | 23.5                | 0        |  |          |  |
| 10              | 16QAM      | 1       | 0         | 22.31               | 22.28                  | 22.25                |                     |          |  |          |  |
| 10              | 16QAM      | 1       | 25        | 22.28               | 22.24                  | 22.25                |                     |          |  |          |  |
| 10              | 16QAM      | 1       | 48        | 22.23               | 22.32                  | 22.30                | 23.5                | 0        |  |          |  |
| 10              | 16QAM      | 25      | 0         | 21.32               | 21.29                  | 21.30                |                     |          |  |          |  |
| 10              | 16QAM      | 25      | 12        | 21.27               | 21.21                  | 21.28                |                     |          |  |          |  |
| 10              | 16QAM      | 25      | 25        | 21.29               | 21.37                  | 21.24                | 22.5                | 1        |  |          |  |
| 10              | 16QAM      | 50      | 0         | 21.31               | 21.27                  | 21.34                |                     |          |  |          |  |
| 10              | 64QAM      | 1       | 0         | 21.30               | 21.29                  | 21.32                |                     |          |  |          |  |
| 10              | 64QAM      | 1       | 25        | 21.34               | 21.39                  | 21.28                | 22.5                | 1        |  |          |  |
| 10              | 64QAM      | 1       | 48        | 21.22               | 21.21                  | 21.35                |                     |          |  |          |  |
| 10              | 64QAM      | 25      | 0         | 20.23               | 20.34                  | 20.28                |                     |          |  |          |  |
| 10              | 64QAM      | 25      | 12        | 20.23               | 20.38                  | 20.20                | 21.5                | 2        |  |          |  |
| 10              | 64QAM      | 25      | 25        | 20.33               | 20.26                  | 20.29                |                     |          |  |          |  |
| 10              | 64QAM      | 50      | 0         | 20.19               | 20.25                  | 20.22                |                     |          |  |          |  |
| 10              | 256QAM     | 1       | 0         | 18.18               | 18.29                  | 18.21                | 19.5                | 4        |  |          |  |
| 10              | 256QAM     | 1       | 25        | 18.25               | 18.26                  | 18.26                |                     |          |  |          |  |
| 10              | 256QAM     | 1       | 48        | 18.33               | 18.27                  | 18.26                |                     |          |  |          |  |
| 10              | 256QAM     | 25      | 0         | 18.22               | 18.22                  | 18.17                | 19.5                | 4        |  |          |  |
| 10              | 256QAM     | 25      | 12        | 18.30               | 18.22                  | 18.23                |                     |          |  |          |  |
| 10              | 256QAM     | 25      | 25        | 18.31               | 18.31                  | 18.27                |                     |          |  |          |  |
| 10              | 256QAM     | 50      | 0         | 18.32               | 18.27                  | 18.36                | Channel             |          |  |          |  |
| Frequency (MHz) |            |         |           | 20850               | 21100                  | 21350                | Tune-up limit (dBm) | MPR (dB) |  |          |  |
| 5               | QPSK       | 1       | 0         | 22.43               | 22.43                  | 22.40                | 23.5                | 0        |  |          |  |
| 5               | QPSK       | 1       | 12        | 22.34               | 22.25                  | 22.34                |                     |          |  |          |  |
| 5               | QPSK       | 1       | 24        | 22.26               | 22.35                  | 22.34                |                     |          |  |          |  |
| 5               | QPSK       | 12      | 0         | 22.41               | 22.40                  | 22.38                | 23.5                | 0        |  |          |  |
| 5               | QPSK       | 12      | 7         | 22.26               | 22.29                  | 22.23                |                     |          |  |          |  |
| 5               | QPSK       | 12      | 13        | 22.21               | 22.26                  | 22.26                |                     |          |  |          |  |
| 5               | QPSK       | 25      | 0         | 22.39               | 22.38                  | 22.33                | 23.5                | 0        |  |          |  |
| 5               | 16QAM      | 1       | 0         | 22.32               | 22.35                  | 22.27                |                     |          |  |          |  |
| 5               | 16QAM      | 1       | 12        | 22.25               | 22.29                  | 22.22                |                     |          |  |          |  |
| 5               | 16QAM      | 1       | 24        | 22.23               | 22.31                  | 22.31                | 22.5                | 1        |  |          |  |
| 5               | 16QAM      | 12      | 0         | 21.25               | 21.31                  | 21.22                |                     |          |  |          |  |
| 5               | 16QAM      | 12      | 7         | 21.33               | 21.22                  | 21.27                |                     |          |  |          |  |
| 5               | 16QAM      | 12      | 13        | 21.32               | 21.31                  | 21.28                | 22.5                | 1        |  |          |  |
| 5               | 16QAM      | 25      | 0         | 21.33               | 21.23                  | 21.28                |                     |          |  |          |  |
| 5               | 64QAM      | 1       | 0         | 21.29               | 21.37                  | 21.34                |                     |          |  |          |  |
| 5               | 64QAM      | 1       | 12        | 21.28               | 21.34                  | 21.24                | 22.5                | 1        |  |          |  |
| 5               | 64QAM      | 1       | 24        | 21.23               | 21.28                  | 21.31                |                     |          |  |          |  |
| 5               | 64QAM      | 12      | 0         | 20.24               | 20.35                  | 20.28                |                     |          |  |          |  |
| 5               | 64QAM      | 12      | 7         | 20.22               | 20.38                  | 20.22                | 21.5                | 2        |  |          |  |
| 5               | 64QAM      | 12      | 13        | 20.33               | 20.27                  | 20.28                |                     |          |  |          |  |
| 5               | 64QAM      | 25      | 0         | 20.17               | 20.29                  | 20.30                |                     |          |  |          |  |
| 5               | 256QAM     | 1       | 0         | 18.18               | 18.33                  | 18.21                | 19.5                | 4        |  |          |  |
| 5               | 256QAM     | 1       | 12        | 18.25               | 18.27                  | 18.33                |                     |          |  |          |  |
| 5               | 256QAM     | 1       | 24        | 18.33               | 18.25                  | 18.25                |                     |          |  |          |  |
| 5               | 256QAM     | 12      | 0         | 18.24               | 18.25                  | 18.21                | 19.5                | 4        |  |          |  |
| 5               | 256QAM     | 12      | 7         | 18.34               | 18.29                  | 18.31                |                     |          |  |          |  |
| 5               | 256QAM     | 12      | 13        | 18.26               | 18.26                  | 18.17                |                     |          |  |          |  |
| 5               | 256QAM     | 25      | 0         | 18.28               | 18.25                  | 18.30                |                     |          |  |          |  |



### Inter band UL CA Reduced Power for State 3

#### Band 2\_Ant 2

| BW (MHz)                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch./Freq. | Power<br>Mid<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|----------------------------|------------|---------|-----------|---------------------------|---------------------------|----------------------------|------------------------|-------------|
| Channel<br>Frequency (MHz) |            |         |           |                           |                           |                            |                        |             |
| 20                         | QPSK       | 1       | 0         | 20.76                     | 20.73                     | 20.73                      | 21.5                   | 0           |
| 20                         | QPSK       | 1       | 49        | 20.48                     | 20.54                     | 20.55                      |                        |             |
| 20                         | QPSK       | 1       | 99        | 20.51                     | 20.57                     | 20.57                      |                        |             |
| 20                         | QPSK       | 50      | 0         | 20.65                     | 20.71                     | 20.65                      | 21.5                   | 0           |
| 20                         | QPSK       | 50      | 24        | 20.61                     | 20.59                     | 20.57                      |                        |             |
| 20                         | QPSK       | 50      | 49        | 20.63                     | 20.61                     | 20.64                      |                        |             |
| 20                         | QPSK       | 100     | 0         | 20.56                     | 20.64                     | 20.61                      | 21.5                   | 0           |
| 20                         | 16QAM      | 1       | 0         | 20.59                     | 20.62                     | 20.62                      |                        |             |
| 20                         | 16QAM      | 1       | 49        | 20.61                     | 20.60                     | 20.56                      |                        |             |
| 20                         | 16QAM      | 1       | 99        | 20.56                     | 20.63                     | 20.51                      | 21.5                   | 0           |
| 20                         | 16QAM      | 50      | 0         | 20.60                     | 20.58                     | 20.62                      |                        |             |
| 20                         | 16QAM      | 50      | 24        | 20.58                     | 20.58                     | 20.63                      |                        |             |
| 20                         | 16QAM      | 50      | 50        | 20.59                     | 20.54                     | 20.56                      | 21.5                   | 0           |
| 20                         | 16QAM      | 100     | 0         | 20.60                     | 20.56                     | 20.61                      |                        |             |
| 20                         | 16QAM      | 100     | 0         | 20.60                     | 20.57                     | 20.57                      |                        |             |
| 20                         | 64QAM      | 1       | 0         | 20.74                     | 20.76                     | 20.77                      | 21.5                   | 0           |
| 20                         | 64QAM      | 1       | 49        | 20.80                     | 20.80                     | 20.76                      |                        |             |
| 20                         | 64QAM      | 1       | 99        | 20.61                     | 20.57                     | 20.63                      |                        |             |
| 20                         | 64QAM      | 50      | 0         | 20.57                     | 20.59                     | 20.59                      | 21.5                   | 0           |
| 20                         | 64QAM      | 50      | 24        | 20.60                     | 20.56                     | 20.63                      |                        |             |
| 20                         | 64QAM      | 50      | 50        | 20.57                     | 20.50                     | 20.54                      |                        |             |
| 20                         | 256QAM     | 1       | 0         | 19.05                     | 19.07                     | 19.05                      | 19.5                   | 2           |
| 20                         | 256QAM     | 1       | 49        | 19.05                     | 19.07                     | 19.09                      |                        |             |
| 20                         | 256QAM     | 1       | 99        | 18.98                     | 18.97                     | 19.01                      |                        |             |
| 20                         | 256QAM     | 50      | 0         | 19.00                     | 19.04                     | 19.09                      | 19.5                   | 2           |
| 20                         | 256QAM     | 50      | 24        | 18.97                     | 18.97                     | 18.94                      |                        |             |
| 20                         | 256QAM     | 50      | 50        | 18.96                     | 18.92                     | 19.00                      |                        |             |
| 20                         | 256QAM     | 100     | 0         | 19.06                     | 19.02                     | 19.04                      | 19.5                   | 2           |
| Channel<br>Frequency (MHz) |            |         |           | 1897.5                    | 1899.0                    | 1912.5                     |                        |             |
| 15                         | QPSK       | 1       | 0         | 20.52                     | 20.50                     | 20.53                      | 21.5                   | 0           |
| 15                         | QPSK       | 1       | 37        | 20.52                     | 20.50                     | 20.51                      |                        |             |
| 15                         | QPSK       | 1       | 74        | 20.51                     | 20.52                     | 20.54                      |                        |             |
| 15                         | QPSK       | 36      | 0         | 20.50                     | 20.54                     | 20.54                      | 21.5                   | 0           |
| 15                         | QPSK       | 36      | 18        | 20.60                     | 20.60                     | 20.64                      |                        |             |
| 15                         | QPSK       | 36      | 36        | 20.60                     | 20.52                     | 20.57                      |                        |             |
| 15                         | QPSK       | 36      | 54        | 20.54                     | 20.54                     | 20.58                      | 21.5                   | 0           |
| 15                         | 16QAM      | 1       | 0         | 20.53                     | 20.57                     | 20.62                      |                        |             |
| 15                         | 16QAM      | 1       | 37        | 20.57                     | 20.56                     | 20.64                      |                        |             |
| 15                         | 16QAM      | 1       | 74        | 20.48                     | 20.58                     | 20.54                      | 21.5                   | 0           |
| 15                         | 16QAM      | 36      | 0         | 20.41                     | 20.59                     | 20.56                      |                        |             |
| 15                         | 16QAM      | 36      | 18        | 20.40                     | 20.41                     | 20.46                      |                        |             |
| 15                         | 16QAM      | 36      | 36        | 20.41                     | 20.37                     | 20.43                      | 21.5                   | 0           |
| 15                         | 16QAM      | 75      | 0         | 20.53                     | 20.50                     | 20.47                      |                        |             |
| 15                         | 64QAM      | 1       | 0         | 20.57                     | 20.65                     | 20.61                      | 21.5                   | 0           |
| 15                         | 64QAM      | 1       | 37        | 20.67                     | 20.65                     | 20.65                      |                        |             |
| 15                         | 64QAM      | 1       | 74        | 20.51                     | 20.46                     | 20.49                      |                        |             |
| 15                         | 64QAM      | 36      | 0         | 20.50                     | 20.51                     | 20.50                      | 21.5                   | 0           |
| 15                         | 64QAM      | 36      | 18        | 20.42                     | 20.49                     | 20.47                      |                        |             |
| 15                         | 64QAM      | 36      | 36        | 20.41                     | 20.48                     | 20.47                      |                        |             |
| 15                         | 64QAM      | 75      | 0         | 20.54                     | 20.40                     | 20.51                      | 19.5                   | 2           |
| 15                         | 256QAM     | 1       | 0         | 18.90                     | 18.83                     | 18.96                      |                        |             |
| 15                         | 256QAM     | 1       | 37        | 18.86                     | 18.90                     | 18.98                      |                        |             |
| 15                         | 256QAM     | 1       | 74        | 18.83                     | 18.91                     | 18.91                      | 19.5                   | 2           |
| 15                         | 256QAM     | 36      | 0         | 18.91                     | 18.97                     | 18.99                      |                        |             |
| 15                         | 256QAM     | 36      | 18        | 18.94                     | 18.78                     | 18.94                      |                        |             |
| 15                         | 256QAM     | 36      | 36        | 18.77                     | 18.82                     | 18.87                      | 19.5                   | 2           |
| 15                         | 256QAM     | 75      | 0         | 18.96                     | 18.81                     | 18.83                      |                        |             |
| Channel<br>Frequency (MHz) |            |         |           | 1897.5                    | 1899.0                    | 1912.5                     |                        |             |
| 10                         | QPSK       | 1       | 0         | 20.59                     | 20.59                     | 20.58                      | 21.5                   | 0           |
| 10                         | QPSK       | 1       | 25        | 20.51                     | 20.57                     | 20.60                      |                        |             |
| 10                         | QPSK       | 1       | 49        | 20.50                     | 20.59                     | 20.53                      |                        |             |
| 10                         | QPSK       | 25      | 0         | 20.60                     | 20.56                     | 20.61                      | 21.5                   | 0           |
| 10                         | QPSK       | 25      | 12        | 20.50                     | 20.61                     | 20.63                      |                        |             |
| 10                         | QPSK       | 25      | 25        | 20.60                     | 20.50                     | 20.53                      |                        |             |
| 10                         | QPSK       | 50      | 0         | 20.58                     | 20.53                     | 20.61                      | 21.5                   | 0           |
| 10                         | 16QAM      | 1       | 0         | 20.48                     | 20.56                     | 20.63                      |                        |             |
| 10                         | 16QAM      | 1       | 25        | 20.57                     | 20.60                     | 20.52                      |                        |             |
| 10                         | 16QAM      | 1       | 49        | 20.50                     | 20.59                     | 20.57                      | 21.5                   | 0           |
| 10                         | 16QAM      | 25      | 0         | 20.41                     | 20.40                     | 20.48                      |                        |             |
| 10                         | 16QAM      | 25      | 12        | 20.43                     | 20.40                     | 20.36                      |                        |             |
| 10                         | 16QAM      | 25      | 25        | 20.42                     | 20.40                     | 20.36                      | 21.5                   | 0           |
| 10                         | 16QAM      | 50      | 0         | 20.54                     | 20.48                     | 20.44                      |                        |             |
| 10                         | 16QAM      | 50      | 25        | 20.66                     | 20.58                     | 20.63                      |                        |             |
| 10                         | 64QAM      | 1       | 0         | 20.68                     | 20.70                     | 20.69                      | 21.5                   | 0           |
| 10                         | 64QAM      | 1       | 25        | 20.47                     | 20.38                     | 20.56                      |                        |             |
| 10                         | 64QAM      | 25      | 0         | 20.43                     | 20.44                     | 20.44                      |                        |             |
| 10                         | 64QAM      | 25      | 12        | 20.46                     | 20.49                     | 20.47                      | 21.5                   | 0           |
| 10                         | 64QAM      | 25      | 25        | 20.47                     | 20.40                     | 20.43                      |                        |             |
| 10                         | 64QAM      | 50      | 0         | 20.48                     | 20.44                     | 20.42                      |                        |             |
| 10                         | 256QAM     | 1       | 0         | 18.94                     | 18.95                     | 18.93                      | 19.5                   | 2           |
| 10                         | 256QAM     | 1       | 25        | 18.99                     | 18.91                     | 19.02                      |                        |             |
| 10                         | 256QAM     | 1       | 49        | 18.90                     | 18.89                     | 18.88                      |                        |             |
| 10                         | 256QAM     | 25      | 0         | 18.93                     | 18.94                     | 18.95                      | 19.5                   | 2           |
| 10                         | 256QAM     | 25      | 12        | 18.99                     | 18.94                     | 18.97                      |                        |             |
| 10                         | 256QAM     | 25      | 25        | 18.75                     | 18.91                     | 18.94                      |                        |             |
| 10                         | 256QAM     | 50      | 0         | 18.98                     | 18.94                     | 18.92                      | 19.5                   | 2           |
| Channel<br>Frequency (MHz) |            |         |           | 1897.5                    | 1899.0                    | 1912.5                     |                        |             |
| 5                          | QPSK       | 1       | 0         | 20.60                     | 20.62                     | 20.57                      | 21.5                   | 0           |
| 5                          | QPSK       | 1       | 12        | 20.49                     | 20.59                     | 20.62                      |                        |             |
| 5                          | QPSK       | 1       | 24        | 20.51                     | 20.55                     | 20.59                      |                        |             |
| 5                          | QPSK       | 12      | 0         | 20.58                     | 20.63                     | 20.57                      | 21.5                   | 0           |
| 5                          | QPSK       | 12      | 6         | 20.58                     | 20.54                     | 20.62                      |                        |             |
| 5                          | QPSK       | 12      | 13        | 20.57                     | 20.62                     | 20.54                      |                        |             |
| 5                          | QPSK       | 20      | 0         | 20.51                     | 20.62                     | 20.56                      | 21.5                   | 0           |
| 5                          | 16QAM      | 1       | 0         | 20.57                     | 20.52                     | 20.54                      |                        |             |
| 5                          | 16QAM      | 1       | 12        | 20.53                     | 20.58                     | 20.62                      |                        |             |
| 5                          | 16QAM      | 1       | 24        | 20.55                     | 20.57                     | 20.57                      | 21.5                   | 0           |
| 5                          | 16QAM      | 12      | 0         | 20.54                     | 20.43                     | 20.48                      |                        |             |
| 5                          | 16QAM      | 12      | 7         | 20.46                     | 20.41                     | 20.44                      |                        |             |
| 5                          | 16QAM      | 12      | 13        | 20.43                     | 20.37                     | 20.41                      | 21.5                   | 0           |
| 5                          | 16QAM      | 25      | 0         | 20.50                     | 20.45                     | 20.47                      |                        |             |
| 5                          | 64QAM      | 1       | 0         | 20.57                     | 20.59                     | 20.63                      | 21.5                   | 0           |
| 5                          | 64QAM      | 1       | 12        | 20.74                     | 20.62                     | 20.66                      |                        |             |
| 5                          | 64QAM      | 1       | 24        | 20.48                     | 20.42                     | 20.50                      |                        |             |
| 5                          | 64QAM      | 12      | 0         | 20.47                     | 20.35                     | 20.41                      | 21.5                   | 0           |
| 5                          | 64QAM      | 12      | 13        | 20.41                     | 20.34                     | 20.37                      |                        |             |
| 5                          | 64QAM      | 25      | 0         | 20.44                     | 20.40                     | 20.43                      |                        |             |
| 5                          | 256QAM     | 1       | 0         | 18.89                     | 18.89                     | 18.88                      | 19.5                   | 2           |
| 5                          | 256QAM     | 1       | 12        | 18.97                     | 18.80                     | 18.98                      |                        |             |
| 5                          | 256QAM     | 1       | 24        | 18.81                     | 18.84                     | 18.93                      |                        |             |
| 5                          | 256QAM     | 12      | 0         | 18.91                     | 18.95                     | 18.93                      | 19.5                   | 2           |
| 5                          | 256QAM     | 12      | 7         | 18.90                     | 18.94                     | 18.91                      |                        |             |
| 5                          | 256QAM     | 12      | 13        | 18.79                     | 18.91                     | 18.90                      |                        |             |
| 5                          | 256QAM     | 25      | 0         | 18.93                     | 18.88                     | 18.90                      | 19.5                   | 2           |
| Channel<br>Frequency (MHz) |            |         |           | 1897.5                    | 1899.0                    | 1912.5                     |                        |             |
| 3                          | QPSK       | 1       | 0         | 20.48                     | 20.54                     | 20.61                      | 21.5                   | 0           |
| 3                          | QPSK       | 1       | 7         | 20.59                     | 20.59                     | 20.57                      |                        |             |
| 3                          | QPSK       | 1       | 14        | 20.54                     | 20.50                     | 20.55                      |                        |             |
| 3                          | QPSK       | 8       | 0         | 20.50                     | 20.56                     | 20.57                      | 21.5                   | 0           |
| 3                          | QPSK       | 8       | 4         | 20.61                     | 20.52                     | 20.57                      |                        |             |
| 3                          | QPSK       | 8       | 7         | 20.54                     | 20.53                     | 20.52                      |                        |             |
| 3                          | QPSK       | 15      | 0         | 20.53                     | 20.55                     | 20.54                      | 21.5                   | 0           |
| 3                          | 16QAM      | 1       | 0         | 20.48                     | 20.50                     | 20.63                      |                        |             |
| 3                          | 16QAM      | 1       | 8         | 20.50                     | 20.58                     | 20.62                      |                        |             |
| 3                          | 16QAM      | 1       | 14        | 20.59                     | 20.50                     | 20.53                      | 21.5                   | 0           |
| 3                          | 16QAM      | 3       | 0         | 20.45                     | 20.51                     | 20.51                      |                        |             |
| 3                          | 16QAM      | 8       | 0         | 20.41                     | 20.44                     | 20.44                      |                        |             |
| 3                          | 16QAM      | 8       | 7         | 20.48                     | 20.35                     | 20.46                      | 21.5                   | 0           |
| 3                          | 16QAM      | 15      | 0         | 20.41                     | 20.48                     | 20.55                      |                        |             |
| 3                          | 64QAM      | 1       | 0         | 20.63                     | 20.70                     | 20.71                      | 21.5                   | 0           |
| 3                          | 64QAM      | 1       | 7         | 20.69                     | 20.62                     | 20.64                      |                        |             |
| 3                          | 64QAM      | 1       | 14        | 20.45                     | 20.42                     | 20.46                      |                        |             |
| 3                          | 64QAM      | 8       | 0         | 20.43                     | 20.43                     | 20.40                      | 21.5                   | 0           |
| 3                          | 64QAM      | 8       | 7         | 20.44                     | 20.40                     | 20.46                      |                        |             |
| 3                          | 64QAM      | 8       | 14        | 20.39                     | 20.31                     | 20.45                      |                        |             |
| 3                          | 256QAM     | 1       | 0         | 20.49                     | 20.41                     | 20.52                      | 19.5                   | 2           |
| 3                          | 256QAM     | 1       | 7         | 19.00                     | 18.84                     | 18.97                      |                        |             |
| 3                          | 256QAM     | 1       | 14        | 18.95                     | 18.99                     | 19.01                      |                        |             |
| 3                          | 256QAM     | 8       | 0         | 18.91                     | 18.92                     | 18.94                      | 19.5                   | 2           |
| 3                          | 256QAM     | 8       | 7         | 18.92                     | 18.88                     | 18.92                      |                        |             |
| 3                          | 256QAM     | 8       | 14        | 18.9                      |                           |                            |                        |             |

## Band 7\_Ant 1

| 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         |            |         |           | 20850                     | 21100                        | 21350                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 20850                     | 21100                        | 21350                      |                        |             |
| 20              | QPSK       | 1       | 0         | 16.53                     | 16.53                        | 16.51                      | 17.5                   | 0           |
| 20              | QPSK       | 1       | 49        | 16.48                     | 16.48                        | 16.36                      |                        |             |
| 20              | QPSK       | 1       | 99        | 16.46                     | 16.44                        | 16.36                      |                        |             |
| 20              | QPSK       | 50      | 0         | 16.51                     | 16.53                        | 16.50                      | 17.5                   | 0           |
| 20              | QPSK       | 50      | 24        | 16.40                     | 16.48                        | 16.44                      |                        |             |
| 20              | QPSK       | 50      | 50        | 16.43                     | 16.43                        | 16.36                      |                        |             |
| 20              | QPSK       | 100     | 0         | 16.50                     | 16.51                        | 16.48                      | 17.5                   | 0           |
| 20              | 16QAM      | 1       | 0         | 16.39                     | 16.43                        | 16.36                      |                        |             |
| 20              | 16QAM      | 1       | 49        | 16.41                     | 16.37                        | 16.32                      |                        |             |
| 20              | 16QAM      | 1       | 99        | 16.42                     | 16.46                        | 16.36                      | 17.5                   | 0           |
| 20              | 16QAM      | 50      | 0         | 16.43                     | 16.46                        | 16.35                      |                        |             |
| 20              | 16QAM      | 50      | 24        | 16.36                     | 16.43                        | 16.40                      |                        |             |
| 20              | 16QAM      | 50      | 50        | 16.45                     | 16.42                        | 16.45                      | 17.5                   | 0           |
| 20              | 16QAM      | 100     | 0         | 16.40                     | 16.39                        | 16.35                      |                        |             |
| 20              | 64QAM      | 1       | 0         | 16.37                     | 16.48                        | 16.34                      |                        |             |
| 20              | 64QAM      | 1       | 49        | 16.43                     | 16.47                        | 16.36                      | 17.5                   | 0           |
| 20              | 64QAM      | 1       | 99        | 16.43                     | 16.37                        | 16.34                      |                        |             |
| 20              | 64QAM      | 50      | 0         | 16.36                     | 16.43                        | 16.42                      |                        |             |
| 20              | 64QAM      | 50      | 24        | 16.46                     | 16.39                        | 16.39                      | 17.5                   | 0           |
| 20              | 64QAM      | 50      | 50        | 16.46                     | 16.40                        | 16.38                      |                        |             |
| 20              | 64QAM      | 100     | 0         | 16.39                     | 16.44                        | 16.34                      |                        |             |
| 20              | 256QAM     | 1       | 0         | 16.41                     | 16.42                        | 16.44                      | 17.5                   | 0           |
| 20              | 256QAM     | 1       | 49        | 16.41                     | 16.37                        | 16.41                      |                        |             |
| 20              | 256QAM     | 1       | 99        | 16.39                     | 16.45                        | 16.44                      |                        |             |
| 20              | 256QAM     | 50      | 0         | 16.45                     | 16.38                        | 16.45                      | 17.5                   | 0           |
| 20              | 256QAM     | 50      | 24        | 16.37                     | 16.48                        | 16.38                      |                        |             |
| 20              | 256QAM     | 50      | 50        | 16.37                     | 16.39                        | 16.40                      |                        |             |
| 20              | 256QAM     | 100     | 0         | 16.43                     | 16.41                        | 16.44                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 20850                     | 21100                        | 21350                      |                        |             |
| Frequency (MHz) |            |         |           | 20850                     | 21100                        | 21350                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 15              | QPSK       | 1       | 0         | 16.39                     | 16.33                        | 16.33                      |                        |             |
| 15              | QPSK       | 1       | 37        | 16.37                     | 16.48                        | 16.34                      | 17.5                   | 0           |
| 15              | QPSK       | 1       | 74        | 16.36                     | 16.40                        | 16.40                      |                        |             |
| 15              | QPSK       | 36      | 0         | 16.44                     | 16.37                        | 16.44                      |                        |             |
| 15              | QPSK       | 36      | 20        | 16.46                     | 16.40                        | 16.40                      | 17.5                   | 0           |
| 15              | QPSK       | 36      | 36        | 16.46                     | 16.44                        | 16.45                      |                        |             |
| 15              | QPSK       | 36      | 50        | 16.38                     | 16.42                        | 16.37                      |                        |             |
| 15              | 16QAM      | 1       | 0         | 16.43                     | 16.38                        | 16.41                      | 17.5                   | 0           |
| 15              | 16QAM      | 1       | 37        | 16.43                     | 16.39                        | 16.43                      |                        |             |
| 15              | 16QAM      | 1       | 74        | 16.35                     | 16.48                        | 16.41                      |                        |             |
| 15              | 16QAM      | 36      | 0         | 16.41                     | 16.48                        | 16.36                      | 17.5                   | 0           |
| 15              | 16QAM      | 36      | 20        | 16.43                     | 16.45                        | 16.34                      |                        |             |
| 15              | 16QAM      | 36      | 36        | 16.46                     | 16.37                        | 16.44                      |                        |             |
| 15              | 16QAM      | 75      | 0         | 16.45                     | 16.42                        | 16.35                      | 17.5                   | 0           |
| 15              | 64QAM      | 1       | 0         | 16.44                     | 16.44                        | 16.34                      |                        |             |
| 15              | 64QAM      | 1       | 37        | 16.43                     | 16.42                        | 16.38                      |                        |             |
| 15              | 64QAM      | 1       | 74        | 16.39                     | 16.45                        | 16.36                      | 17.5                   | 0           |
| 15              | 64QAM      | 36      | 0         | 16.44                     | 16.40                        | 16.39                      |                        |             |
| 15              | 64QAM      | 36      | 20        | 16.43                     | 16.46                        | 16.44                      |                        |             |
| 15              | 64QAM      | 36      | 36        | 16.41                     | 16.42                        | 16.43                      | 17.5                   | 0           |
| 15              | 64QAM      | 75      | 0         | 16.40                     | 16.41                        | 16.45                      |                        |             |
| 15              | 256QAM     | 1       | 0         | 16.41                     | 16.45                        | 16.45                      |                        |             |
| 15              | 256QAM     | 1       | 37        | 16.40                     | 16.39                        | 16.38                      | 17.5                   | 0           |
| 15              | 256QAM     | 1       | 74        | 16.46                     | 16.48                        | 16.35                      |                        |             |
| 15              | 256QAM     | 36      | 0         | 16.40                     | 16.43                        | 16.36                      |                        |             |
| 15              | 256QAM     | 36      | 20        | 16.39                     | 16.40                        | 16.41                      | 17.5                   | 0           |
| 15              | 256QAM     | 36      | 36        | 16.46                     | 16.44                        | 16.39                      |                        |             |
| 15              | 256QAM     | 75      | 0         | 16.41                     | 16.43                        | 16.42                      |                        |             |
| Channel         |            |         |           | 20850                     | 21100                        | 21350                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 20850                     | 20935                        | 20965                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 10              | QPSK       | 1       | 0         | 16.40                     | 16.41                        | 16.36                      |                        |             |
| 10              | QPSK       | 1       | 25        | 16.36                     | 16.46                        | 16.39                      | 17.5                   | 0           |
| 10              | QPSK       | 1       | 49        | 16.37                     | 16.48                        | 16.45                      |                        |             |
| 10              | QPSK       | 25      | 0         | 16.45                     | 16.41                        | 16.45                      |                        |             |
| 10              | QPSK       | 25      | 12        | 16.37                     | 16.46                        | 16.43                      | 17.5                   | 0           |
| 10              | QPSK       | 25      | 25        | 16.45                     | 16.39                        | 16.35                      |                        |             |
| 10              | QPSK       | 50      | 0         | 16.45                     | 16.45                        | 16.38                      |                        |             |
| 10              | 16QAM      | 1       | 0         | 16.40                     | 16.41                        | 16.45                      | 17.5                   | 0           |
| 10              | 16QAM      | 1       | 25        | 16.45                     | 16.39                        | 16.39                      |                        |             |
| 10              | 16QAM      | 1       | 49        | 16.43                     | 16.39                        | 16.44                      |                        |             |
| 10              | 16QAM      | 25      | 0         | 16.40                     | 16.48                        | 16.35                      | 17.5                   | 0           |
| 10              | 16QAM      | 25      | 12        | 16.41                     | 16.46                        | 16.45                      |                        |             |
| 10              | 16QAM      | 25      | 25        | 16.35                     | 16.39                        | 16.45                      |                        |             |
| 10              | 16QAM      | 50      | 0         | 16.44                     | 16.48                        | 16.39                      | 17.5                   | 0           |
| 10              | 64QAM      | 1       | 0         | 16.45                     | 16.47                        | 16.40                      |                        |             |
| 10              | 64QAM      | 1       | 25        | 16.36                     | 16.42                        | 16.43                      |                        |             |
| 10              | 64QAM      | 1       | 49        | 16.43                     | 16.42                        | 16.41                      | 17.5                   | 0           |
| 10              | 64QAM      | 25      | 0         | 16.40                     | 16.38                        | 16.37                      |                        |             |
| 10              | 64QAM      | 25      | 12        | 16.46                     | 16.41                        | 16.45                      |                        |             |
| 10              | 64QAM      | 25      | 25        | 16.39                     | 16.48                        | 16.44                      | 17.5                   | 0           |
| 10              | 64QAM      | 50      | 0         | 16.46                     | 16.44                        | 16.45                      |                        |             |
| 10              | 256QAM     | 1       | 0         | 16.45                     | 16.37                        | 16.43                      |                        |             |
| 10              | 256QAM     | 1       | 25        | 16.39                     | 16.40                        | 16.40                      | 17.5                   | 0           |
| 10              | 256QAM     | 1       | 49        | 16.41                     | 16.44                        | 16.36                      |                        |             |
| 10              | 256QAM     | 25      | 0         | 16.36                     | 16.49                        | 16.34                      |                        |             |
| 10              | 256QAM     | 25      | 12        | 16.39                     | 16.47                        | 16.45                      | 17.5                   | 0           |
| 10              | 256QAM     | 25      | 25        | 16.46                     | 16.47                        | 16.35                      |                        |             |
| 10              | 256QAM     | 50      | 0         | 16.46                     | 16.41                        | 16.43                      |                        |             |
| Channel         |            |         |           | 20935                     | 21100                        | 21425                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 20935                     | 20935                        | 2097.5                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 5               | QPSK       | 1       | 0         | 16.42                     | 16.46                        | 16.38                      |                        |             |
| 5               | QPSK       | 1       | 12        | 16.45                     | 16.42                        | 16.45                      | 17.5                   | 0           |
| 5               | QPSK       | 1       | 24        | 16.45                     | 16.49                        | 16.37                      |                        |             |
| 5               | QPSK       | 12      | 0         | 16.44                     | 16.48                        | 16.45                      |                        |             |
| 5               | QPSK       | 12      | 7         | 16.37                     | 16.42                        | 16.38                      | 17.5                   | 0           |
| 5               | QPSK       | 12      | 13        | 16.42                     | 16.42                        | 16.41                      |                        |             |
| 5               | QPSK       | 20      | 0         | 16.39                     | 16.43                        | 16.36                      |                        |             |
| 5               | 16QAM      | 1       | 0         | 16.40                     | 16.47                        | 16.39                      | 17.5                   | 0           |
| 5               | 16QAM      | 1       | 12        | 16.45                     | 16.45                        | 16.36                      |                        |             |
| 5               | 16QAM      | 1       | 24        | 16.35                     | 16.47                        | 16.44                      |                        |             |
| 5               | 16QAM      | 12      | 0         | 16.39                     | 16.39                        | 16.37                      | 17.5                   | 0           |
| 5               | 16QAM      | 12      | 7         | 16.39                     | 16.39                        | 16.43                      |                        |             |
| 5               | 16QAM      | 12      | 13        | 16.43                     | 16.42                        | 16.38                      |                        |             |
| 5               | 64QAM      | 1       | 0         | 16.44                     | 16.46                        | 16.37                      | 17.5                   | 0           |
| 5               | 64QAM      | 1       | 12        | 16.44                     | 16.47                        | 16.34                      |                        |             |
| 5               | 64QAM      | 1       | 24        | 16.38                     | 16.43                        | 16.45                      |                        |             |
| 5               | 64QAM      | 12      | 0         | 16.35                     | 16.41                        | 16.34                      | 17.5                   | 0           |
| 5               | 64QAM      | 12      | 7         | 16.40                     | 16.42                        | 16.45                      |                        |             |
| 5               | 64QAM      | 12      | 13        | 16.36                     | 16.39                        | 16.37                      |                        |             |
| 5               | 64QAM      | 25      | 0         | 16.37                     | 16.47                        | 16.35                      | 17.5                   | 0           |
| 5               | 256QAM     | 1       | 0         | 16.42                     | 16.48                        | 16.42                      |                        |             |
| 5               | 256QAM     | 1       | 12        | 16.40                     | 16.42                        | 16.44                      |                        |             |
| 5               | 256QAM     | 1       | 24        | 16.46                     | 16.41                        | 16.41                      | 17.5                   | 0           |
| 5               | 256QAM     | 12      | 0         | 16.45                     | 16.45                        | 16.41                      |                        |             |
| 5               | 256QAM     | 12      | 7         | 16.42                     | 16.48                        | 16.45                      |                        |             |
| 5               | 256QAM     | 12      | 13        | 16.40                     | 16.39                        | 16.35                      | 17.5                   | 0           |
| 5               | 256QAM     | 25      | 0         | 16.39                     | 16.39                        | 16.39                      |                        |             |



Inter band UL CA Reduced Power for State 4

Band 2\_Ant 2

| BW [MHz]                   | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch./Freq. | Power<br>Mid<br>Ch./Freq. | Power<br>High<br>Ch./Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |  |
|----------------------------|------------|---------|-----------|---------------------------|---------------------------|----------------------------|------------------------|-------------|--|--|
| Channel<br>Frequency [MHz] |            |         |           |                           |                           |                            |                        |             |  |  |
| 18700 18900 19100          |            |         |           |                           |                           |                            |                        |             |  |  |
| 20                         | QPSK       | 1       | 0         | 20.03                     | 20.05                     | 20.01                      | 20.5                   | 0           |  |  |
| 20                         | QPSK       | 1       | 49        | 19.85                     | 19.97                     | 19.95                      |                        |             |  |  |
| 20                         | QPSK       | 1       | 99        | 19.89                     | 19.92                     | 19.96                      |                        |             |  |  |
| 20                         | QPSK       | 50      | 0         | 20.01                     | 20.03                     | 20.00                      | 20.5                   | 0           |  |  |
| 20                         | QPSK       | 50      | 24        | 19.94                     | 19.97                     | 19.94                      |                        |             |  |  |
| 20                         | QPSK       | 50      | 50        | 19.90                     | 19.93                     | 19.90                      |                        |             |  |  |
| 20                         | QPSK       | 100     | 0         | 20.00                     | 20.01                     | 19.98                      | 20.5                   | 0           |  |  |
| 20                         | 16QAM      | 1       | 0         | 19.95                     | 19.92                     | 19.91                      |                        |             |  |  |
| 20                         | 16QAM      | 1       | 49        | 19.90                     | 19.95                     | 19.95                      |                        |             |  |  |
| 20                         | 16QAM      | 1       | 99        | 19.90                     | 19.93                     | 19.88                      | 20.5                   | 0           |  |  |
| 20                         | 16QAM      | 50      | 0         | 19.91                     | 19.97                     | 19.87                      |                        |             |  |  |
| 20                         | 16QAM      | 50      | 24        | 19.91                     | 19.96                     | 19.85                      |                        |             |  |  |
| 20                         | 16QAM      | 50      | 50        | 19.90                     | 19.87                     | 19.84                      | 20.5                   | 0           |  |  |
| 20                         | 16QAM      | 100     | 0         | 19.95                     | 19.97                     | 19.94                      |                        |             |  |  |
| 20                         | 16QAM      | 100     | 0         | 19.88                     | 19.90                     | 19.85                      | 20.5                   | 0           |  |  |
| 20                         | 64QAM      | 1       | 0         | 19.87                     | 19.97                     | 19.84                      |                        |             |  |  |
| 20                         | 64QAM      | 1       | 49        | 19.87                     | 19.97                     | 19.84                      |                        |             |  |  |
| 20                         | 64QAM      | 1       | 99        | 19.91                     | 19.97                     | 19.85                      | 20.5                   | 0           |  |  |
| 20                         | 64QAM      | 50      | 0         | 19.91                     | 19.97                     | 19.85                      |                        |             |  |  |
| 20                         | 64QAM      | 50      | 0         | 19.91                     | 19.97                     | 19.85                      |                        |             |  |  |
| 20                         | 64QAM      | 50      | 24        | 19.96                     | 19.97                     | 19.91                      | 20.5                   | 0           |  |  |
| 20                         | 64QAM      | 50      | 50        | 19.95                     | 19.92                     | 19.94                      |                        |             |  |  |
| 20                         | 64QAM      | 100     | 0         | 19.88                     | 19.89                     | 19.84                      |                        |             |  |  |
| 20                         | 256QAM     | 1       | 0         | 19.05                     | 19.00                     | 19.05                      | 19.5                   | 1           |  |  |
| 20                         | 256QAM     | 1       | 49        | 19.05                     | 19.07                     | 19.09                      |                        |             |  |  |
| 20                         | 256QAM     | 1       | 99        | 19.08                     | 19.07                     | 19.01                      |                        |             |  |  |
| 20                         | 256QAM     | 50      | 0         | 19.00                     | 19.04                     | 19.00                      | 19.5                   | 1           |  |  |
| 20                         | 256QAM     | 50      | 24        | 19.07                     | 19.07                     | 19.04                      |                        |             |  |  |
| 20                         | 256QAM     | 50      | 50        | 18.96                     | 18.92                     | 19.00                      |                        |             |  |  |
| Channel<br>Frequency [MHz] |            |         |           |                           |                           |                            |                        |             |  |  |
| 18675 18900 19125          |            |         |           |                           |                           |                            |                        |             |  |  |
| 15                         | QPSK       | 1       | 0         | 18.73                     | 18.70                     | 18.72                      | 20.5                   | 0           |  |  |
| 15                         | QPSK       | 1       | 37        | 19.87                     | 19.86                     | 19.87                      |                        |             |  |  |
| 15                         | QPSK       | 1       | 74        | 19.90                     | 19.93                     | 19.84                      |                        |             |  |  |
| 15                         | QPSK       | 36      | 0         | 19.96                     | 19.95                     | 19.84                      | 20.5                   | 0           |  |  |
| 15                         | QPSK       | 36      | 36        | 19.95                     | 19.95                     | 19.90                      |                        |             |  |  |
| 15                         | QPSK       | 36      | 72        | 19.85                     | 19.89                     | 19.87                      |                        |             |  |  |
| 15                         | QPSK       | 75      | 0         | 19.93                     | 19.84                     | 19.85                      | 20.5                   | 0           |  |  |
| 15                         | QPSK       | 75      | 37        | 19.90                     | 19.90                     | 19.91                      |                        |             |  |  |
| 15                         | 16QAM      | 1       | 0         | 19.95                     | 19.94                     | 19.90                      |                        |             |  |  |
| 15                         | 16QAM      | 1       | 74        | 19.92                     | 19.97                     | 19.85                      | 20.5                   | 0           |  |  |
| 15                         | 16QAM      | 36      | 0         | 19.92                     | 19.91                     | 19.95                      |                        |             |  |  |
| 15                         | 16QAM      | 36      | 36        | 19.93                     | 19.87                     | 19.91                      |                        |             |  |  |
| 15                         | 16QAM      | 36      | 72        | 19.91                     | 19.91                     | 19.89                      | 20.5                   | 0           |  |  |
| 15                         | 16QAM      | 75      | 0         | 19.91                     | 19.93                     | 19.87                      |                        |             |  |  |
| 15                         | 16QAM      | 75      | 0         | 19.93                     | 19.93                     | 19.94                      |                        |             |  |  |
| 15                         | 64QAM      | 1       | 0         | 19.93                     | 19.94                     | 19.93                      | 20.5                   | 0           |  |  |
| 15                         | 64QAM      | 1       | 37        | 19.93                     | 19.96                     | 19.93                      |                        |             |  |  |
| 15                         | 64QAM      | 1       | 74        | 19.94                     | 19.96                     | 19.93                      |                        |             |  |  |
| 15                         | 64QAM      | 36      | 0         | 19.90                     | 19.97                     | 19.84                      | 20.5                   | 0           |  |  |
| 15                         | 64QAM      | 36      | 36        | 19.95                     | 19.97                     | 19.90                      |                        |             |  |  |
| 15                         | 64QAM      | 36      | 72        | 19.90                     | 19.90                     | 19.85                      |                        |             |  |  |
| 15                         | 64QAM      | 75      | 0         | 19.93                     | 19.99                     | 19.95                      | 19.5                   | 1           |  |  |
| 15                         | 256QAM     | 1       | 0         | 18.90                     | 18.83                     | 18.96                      |                        |             |  |  |
| 15                         | 256QAM     | 1       | 49        | 18.86                     | 18.98                     | 18.98                      |                        |             |  |  |
| 15                         | 256QAM     | 1       | 99        | 18.83                     | 18.91                     | 18.91                      | 19.5                   | 1           |  |  |
| 15                         | 256QAM     | 36      | 0         | 18.91                     | 18.97                     | 18.99                      |                        |             |  |  |
| 15                         | 256QAM     | 36      | 36        | 19.94                     | 19.78                     | 19.84                      |                        |             |  |  |
| 15                         | 256QAM     | 36      | 72        | 18.77                     | 18.82                     | 18.87                      | 19.5                   | 1           |  |  |
| 15                         | 256QAM     | 36      | 39        | 18.77                     | 18.82                     | 18.87                      |                        |             |  |  |
| 15                         | 256QAM     | 75      | 0         | 18.96                     | 18.94                     | 18.83                      |                        |             |  |  |
| Channel<br>Frequency [MHz] |            |         |           |                           |                           |                            |                        |             |  |  |
| 18925 19000 19100          |            |         |           |                           |                           |                            |                        |             |  |  |
| 10                         | QPSK       | 1       | 0         | 19.91                     | 19.89                     | 19.87                      | 20.5                   | 0           |  |  |
| 10                         | QPSK       | 1       | 25        | 19.96                     | 19.93                     | 19.85                      |                        |             |  |  |
| 10                         | QPSK       | 1       | 49        | 19.85                     | 19.95                     | 19.94                      |                        |             |  |  |
| 10                         | QPSK       | 25      | 0         | 19.96                     | 19.96                     | 19.94                      | 20.5                   | 0           |  |  |
| 10                         | QPSK       | 25      | 12        | 19.90                     | 19.90                     | 19.93                      |                        |             |  |  |
| 10                         | QPSK       | 25      | 25        | 19.89                     | 19.97                     | 19.86                      |                        |             |  |  |
| 10                         | QPSK       | 50      | 0         | 19.90                     | 19.94                     | 19.92                      | 20.5                   | 0           |  |  |
| 10                         | 16QAM      | 1       | 0         | 19.85                     | 19.92                     | 19.93                      |                        |             |  |  |
| 10                         | 16QAM      | 1       | 25        | 19.94                     | 19.91                     | 19.91                      |                        |             |  |  |
| 10                         | 16QAM      | 1       | 49        | 19.92                     | 19.95                     | 19.87                      | 20.5                   | 0           |  |  |
| 10                         | 16QAM      | 25      | 0         | 19.88                     | 19.97                     | 19.92                      |                        |             |  |  |
| 10                         | 16QAM      | 25      | 12        | 19.87                     | 19.96                     | 19.96                      |                        |             |  |  |
| 10                         | 16QAM      | 25      | 25        | 19.86                     | 19.98                     | 19.94                      | 20.5                   | 0           |  |  |
| 10                         | 16QAM      | 50      | 0         | 19.86                     | 19.98                     | 19.94                      |                        |             |  |  |
| 10                         | 16QAM      | 50      | 25        | 19.93                     | 19.98                     | 19.92                      |                        |             |  |  |
| 10                         | 256QAM     | 1       | 0         | 18.94                     | 18.95                     | 18.93                      | 19.5                   | 1           |  |  |
| 10                         | 256QAM     | 1       | 25        | 18.99                     | 18.91                     | 19.02                      |                        |             |  |  |
| 10                         | 256QAM     | 1       | 49        | 18.90                     | 18.89                     | 18.89                      |                        |             |  |  |
| 10                         | 256QAM     | 25      | 0         | 18.93                     | 18.94                     | 18.95                      | 19.5                   | 1           |  |  |
| 10                         | 256QAM     | 25      | 12        | 18.97                     | 18.97                     | 18.97                      |                        |             |  |  |
| 10                         | 256QAM     | 25      | 25        | 18.75                     | 18.91                     | 18.84                      |                        |             |  |  |
| 10                         | 256QAM     | 50      | 0         | 18.98                     | 18.94                     | 18.92                      | 19.5                   | 1           |  |  |
| Channel<br>Frequency [MHz] |            |         |           |                           |                           |                            |                        |             |  |  |
| 18975 18980 19075          |            |         |           |                           |                           |                            |                        |             |  |  |
| 5                          | QPSK       | 1       | 0         | 19.96                     | 19.95                     | 19.94                      | 20.5                   | 0           |  |  |
| 5                          | QPSK       | 1       | 12        | 19.80                     | 19.91                     | 19.80                      |                        |             |  |  |
| 5                          | QPSK       | 1       | 24        | 19.91                     | 19.93                     | 19.85                      |                        |             |  |  |
| 5                          | QPSK       | 12      | 0         | 19.89                     | 19.91                     | 19.84                      | 20.5                   | 0           |  |  |
| 5                          | QPSK       | 12      | 12        | 19.94                     | 19.91                     | 19.86                      |                        |             |  |  |
| 5                          | QPSK       | 12      | 13        | 19.95                     | 19.89                     | 19.88                      |                        |             |  |  |
| 5                          | QPSK       | 25      | 0         | 19.86                     | 19.92                     | 19.91                      | 20.5                   | 0           |  |  |
| 5                          | 16QAM      | 1       | 0         | 19.96                     | 19.93                     | 19.93                      |                        |             |  |  |
| 5                          | 16QAM      | 1       | 12        | 19.86                     | 19.97                     | 19.87                      |                        |             |  |  |
| 5                          | 16QAM      | 1       | 24        | 19.89                     | 19.93                     | 19.93                      | 20.5                   | 0           |  |  |
| 5                          | 16QAM      | 12      | 0         | 19.90                     | 19.91                     | 19.92                      |                        |             |  |  |
| 5                          | 16QAM      | 12      | 7         | 19.93                     | 19.95                     | 19.85                      |                        |             |  |  |
| 5                          | 16QAM      | 12      | 13        | 19.91                     | 19.92                     | 19.88                      | 20.5                   | 0           |  |  |
| 5                          | 16QAM      | 25      | 0         | 19.85                     | 19.88                     | 19.84                      |                        |             |  |  |
| 5                          | 64QAM      | 1       | 0         | 19.90                     | 19.97                     | 19.88                      | 20.5                   | 0           |  |  |
| 5                          | 64QAM      | 1       | 12        | 19.96                     | 19.94                     | 19.92                      |                        |             |  |  |
| 5                          | 64QAM      | 1       | 24        | 19.90                     | 19.92                     | 19.92                      |                        |             |  |  |
| 5                          | 64QAM      | 12      | 0         | 19.87                     | 19.97                     | 19.87                      | 20.5                   | 0           |  |  |
| 5                          | 64QAM      | 12      | 7         | 19.85                     | 19.94                     | 19.90                      |                        |             |  |  |
| 5                          | 64QAM      | 12      | 13        | 19.88                     | 19.88                     | 19.88                      |                        |             |  |  |
| 5                          | 64QAM      | 25      | 0         | 19.88                     | 19.93                     | 19.93                      | 19.5                   | 1           |  |  |
| 5                          | 256QAM     | 1       | 0         | 18.99                     | 18.89                     | 18.88                      |                        |             |  |  |
| 5                          | 256QAM     | 1       | 12        | 18.97                     | 18.80                     | 18.98                      |                        |             |  |  |
| 5                          | 256QAM     | 1       | 24        | 18.81                     | 18.84                     | 18.93                      | 19.5                   | 1           |  |  |
| 5                          | 256QAM     | 12      | 0         | 18.91                     | 18.95                     | 18.93                      |                        |             |  |  |
| 5                          | 256QAM     | 12      | 7         | 18.90                     | 18.84                     | 18.81                      |                        |             |  |  |
| 5                          | 256QAM     | 12      | 13        | 18.79                     | 18.91                     | 18.90                      | 19.5                   | 1           |  |  |
| 5                          | 256QAM     | 25      | 0         | 18.93                     | 18.88                     | 18.90                      |                        |             |  |  |
| Channel<br>Frequency [MHz] |            |         |           |                           |                           |                            |                        |             |  |  |
| 18975 18980 19075          |            |         |           |                           |                           |                            |                        |             |  |  |
| 3                          | QPSK       | 1       | 0         | 19.89                     | 19.87                     | 19.86                      | 20.5                   | 0           |  |  |
| 3                          | QPSK       | 1       | 14        | 19.89                     | 19.87                     | 19.87                      |                        |             |  |  |
| 3                          | QPSK       | 1       | 14        | 19.93                     | 19.96                     | 19.84                      |                        |             |  |  |
| 3                          | QPSK       | 8       | 0         | 19.90                     | 19.92                     | 19.84                      | 20.5                   | 0           |  |  |
| 3                          | QPSK       | 8       | 8         | 19.92                     | 19.96                     | 19.86                      |                        |             |  |  |
| 3                          | QPSK       | 8       | 7         | 19.94                     | 19.92                     | 19.86                      |                        |             |  |  |
| 3                          | QPSK       | 15      | 0         | 19.93                     | 19.91                     | 19.85                      | 20.5                   | 0           |  |  |
| 3                          | 16QAM      | 1       | 0         | 19.90                     | 19.92                     | 19.90                      |                        |             |  |  |
| 3                          | 16QAM      | 1       | 8         | 19.88                     | 19.90                     | 19.89                      |                        |             |  |  |
| 3                          | 16QAM      | 1       | 14        | 19.86                     | 19.87                     | 19.93                      | 20.5                   | 0           |  |  |
| 3                          | 16QAM      | 8       | 0         | 19.90                     | 19.98                     | 19.84                      |                        |             |  |  |
| 3                          | 16QAM      | 8       | 4         | 19.91                     | 19.93                     | 19.94                      |                        |             |  |  |
| 3                          | 16QAM      | 8       | 7         | 19.86                     | 19.96                     | 19.93                      | 20.5                   | 0           |  |  |
| 3                          | 16QAM      | 15      | 0         | 19.86                     | 19.87                     | 19.91                      |                        |             |  |  |
| 3                          | 64QAM      | 1       | 0         | 19.93                     | 19.96                     | 19.88                      | 20.5                   | 0           |  |  |
| 3                          | 64QAM      | 1       | 14        | 19.96                     | 19.98                     | 19.94                      |                        |             |  |  |
| 3                          | 64QAM      | 8       | 0         | 19.89                     | 19.95                     | 19.91                      |                        |             |  |  |
| 3                          | 64QAM      | 8       | 4         | 19.85                     | 19.98                     | 19.89                      | 20.5                   | 0           |  |  |
| 3                          | 64QAM      | 8       | 7         | 19.86                     | 19.90                     | 19.90                      |                        |             |  |  |
| 3                          | 256QAM     | 1       | 0         | 18.96                     | 18.90                     | 18.87                      |                        |             |  |  |
| 3                          | 256QAM     | 1       | 8         | 18.95                     | 18.88                     | 18.97                      | 19.5                   | 1           |  |  |
| 3                          | 256QAM     | 1       | 14        | 18.94                     | 18.84                     | 18.94                      |                        |             |  |  |
| 3                          | 256QAM     | 8       | 0</       |                           |                           |                            |                        |             |  |  |

## Band 7\_Ant 1

| BW [MHz]        | Modulation | RB Size | RB Offset | Power         |                        | Turn-up limit (dBm) | MPR (dB)            |                      |
|-----------------|------------|---------|-----------|---------------|------------------------|---------------------|---------------------|----------------------|
|                 |            |         |           | Low Ch. Freq. | Power Middle Ch. Freq. |                     |                     | Power High Ch. Freq. |
| Channel         |            |         |           |               |                        |                     |                     |                      |
| Frequency (MHz) |            |         |           | 20850         | 21100                  | 21350               |                     |                      |
| 20              | QPSK       | 1       | 0         | 14.53         | 14.53                  | 14.52               | 15.5                | 0                    |
| 20              | QPSK       | 1       | 49        | 14.40         | 14.40                  | 14.41               |                     |                      |
| 20              | QPSK       | 1       | 99        | 14.47         | 14.49                  | 14.44               |                     |                      |
| 20              | QPSK       | 50      | 0         | 14.51         | 14.53                  | 14.50               | 15.5                | 0                    |
| 20              | QPSK       | 50      | 24        | 14.35         | 14.49                  | 14.35               |                     |                      |
| 20              | QPSK       | 50      | 50        | 14.35         | 14.35                  | 14.42               |                     |                      |
| 20              | QPSK       | 100     | 0         | 14.50         | 14.51                  | 14.48               | 15.5                | 0                    |
| 20              | 16QAM      | 1       | 0         | 14.36         | 14.45                  | 14.34               |                     |                      |
| 20              | 16QAM      | 1       | 49        | 14.42         | 14.37                  | 14.34               |                     |                      |
| 20              | 16QAM      | 1       | 99        | 14.41         | 14.42                  | 14.45               | 15.5                | 0                    |
| 20              | 16QAM      | 50      | 0         | 14.41         | 14.42                  | 14.34               |                     |                      |
| 20              | 16QAM      | 50      | 24        | 14.44         | 14.48                  | 14.40               |                     |                      |
| 20              | 16QAM      | 50      | 50        | 14.36         | 14.40                  | 14.39               | 15.5                | 0                    |
| 20              | 16QAM      | 100     | 0         | 14.36         | 14.47                  | 14.43               |                     |                      |
| 20              | 64QAM      | 1       | 0         | 14.35         | 14.44                  | 14.41               |                     |                      |
| 20              | 64QAM      | 1       | 49        | 14.39         | 14.39                  | 14.44               | 15.5                | 0                    |
| 20              | 64QAM      | 1       | 99        | 14.35         | 14.48                  | 14.37               |                     |                      |
| 20              | 64QAM      | 50      | 0         | 14.45         | 14.37                  | 14.34               |                     |                      |
| 20              | 64QAM      | 50      | 24        | 14.38         | 14.39                  | 14.41               | 15.5                | 0                    |
| 20              | 64QAM      | 50      | 50        | 14.43         | 14.41                  | 14.35               |                     |                      |
| 20              | 64QAM      | 100     | 0         | 14.37         | 14.47                  | 14.43               |                     |                      |
| 20              | 256QAM     | 1       | 0         | 14.44         | 14.39                  | 14.37               | 15.5                | 0                    |
| 20              | 256QAM     | 1       | 49        | 14.44         | 14.40                  | 14.35               |                     |                      |
| 20              | 256QAM     | 1       | 99        | 14.38         | 14.47                  | 14.43               |                     |                      |
| 20              | 256QAM     | 50      | 0         | 14.37         | 14.42                  | 14.40               | 15.5                | 0                    |
| 20              | 256QAM     | 50      | 24        | 14.45         | 14.41                  | 14.35               |                     |                      |
| 20              | 256QAM     | 50      | 50        | 14.43         | 14.41                  | 14.38               |                     |                      |
| 20              | 256QAM     | 100     | 0         | 14.43         | 14.41                  | 14.35               |                     |                      |
| Channel         |            |         |           | 20925         | 21180                  | 21375               | Turn-up limit (dBm) | MPR (dB)             |
| Frequency (MHz) |            |         |           | 20925         | 21180                  | 21375               |                     |                      |
| 15              | QPSK       | 1       | 0         | 14.40         | 14.41                  | 14.41               | 15.5                | 0                    |
| 15              | QPSK       | 1       | 37        | 14.36         | 14.40                  | 14.45               |                     |                      |
| 15              | QPSK       | 1       | 74        | 14.41         | 14.40                  | 14.40               |                     |                      |
| 15              | QPSK       | 36      | 0         | 14.39         | 14.48                  | 14.44               | 15.5                | 0                    |
| 15              | QPSK       | 36      | 20        | 14.46         | 14.44                  | 14.45               |                     |                      |
| 15              | QPSK       | 36      | 36        | 14.35         | 14.42                  | 14.44               |                     |                      |
| 15              | QPSK       | 75      | 0         | 14.44         | 14.44                  | 14.44               | 15.5                | 0                    |
| 15              | 16QAM      | 1       | 0         | 14.43         | 14.47                  | 14.43               |                     |                      |
| 15              | 16QAM      | 1       | 37        | 14.35         | 14.37                  | 14.37               |                     |                      |
| 15              | 16QAM      | 1       | 74        | 14.42         | 14.40                  | 14.41               | 15.5                | 0                    |
| 15              | 16QAM      | 36      | 0         | 14.44         | 14.44                  | 14.42               |                     |                      |
| 15              | 16QAM      | 36      | 20        | 14.45         | 14.35                  | 14.35               |                     |                      |
| 15              | 16QAM      | 36      | 36        | 14.41         | 14.37                  | 14.38               | 15.5                | 0                    |
| 15              | 16QAM      | 75      | 0         | 14.35         | 14.45                  | 14.34               |                     |                      |
| 15              | 64QAM      | 1       | 0         | 14.43         | 14.43                  | 14.40               |                     |                      |
| 15              | 64QAM      | 1       | 37        | 14.45         | 14.42                  | 14.37               | 15.5                | 0                    |
| 15              | 64QAM      | 1       | 74        | 14.39         | 14.46                  | 14.37               |                     |                      |
| 15              | 64QAM      | 36      | 0         | 14.40         | 14.47                  | 14.36               |                     |                      |
| 15              | 64QAM      | 36      | 20        | 14.43         | 14.47                  | 14.40               | 15.5                | 0                    |
| 15              | 64QAM      | 36      | 36        | 14.35         | 14.37                  | 14.35               |                     |                      |
| 15              | 64QAM      | 75      | 0         | 14.45         | 14.38                  | 14.36               |                     |                      |
| 15              | 256QAM     | 1       | 0         | 14.44         | 14.40                  | 14.34               | 15.5                | 0                    |
| 15              | 256QAM     | 1       | 37        | 14.45         | 14.42                  | 14.40               |                     |                      |
| 15              | 256QAM     | 1       | 74        | 14.38         | 14.39                  | 14.37               |                     |                      |
| 15              | 256QAM     | 36      | 0         | 14.41         | 14.48                  | 14.34               | 15.5                | 0                    |
| 15              | 256QAM     | 36      | 20        | 14.40         | 14.40                  | 14.40               |                     |                      |
| 15              | 256QAM     | 36      | 36        | 14.46         | 14.48                  | 14.39               |                     |                      |
| 15              | 256QAM     | 75      | 0         | 14.39         | 14.45                  | 14.43               |                     |                      |
| Channel         |            |         |           | 20960         | 21190                  | 21460               | Turn-up limit (dBm) | MPR (dB)             |
| Frequency (MHz) |            |         |           | 20960         | 21190                  | 21460               |                     |                      |
| 10              | QPSK       | 1       | 0         | 14.46         | 14.39                  | 14.44               | 15.5                | 0                    |
| 10              | QPSK       | 1       | 25        | 14.44         | 14.37                  | 14.40               |                     |                      |
| 10              | QPSK       | 1       | 49        | 14.40         | 14.48                  | 14.38               |                     |                      |
| 10              | QPSK       | 25      | 0         | 14.39         | 14.45                  | 14.39               | 15.5                | 0                    |
| 10              | QPSK       | 25      | 12        | 14.39         | 14.45                  | 14.40               |                     |                      |
| 10              | QPSK       | 25      | 25        | 14.44         | 14.44                  | 14.36               |                     |                      |
| 10              | QPSK       | 50      | 0         | 14.40         | 14.43                  | 14.42               | 15.5                | 0                    |
| 10              | 16QAM      | 1       | 0         | 14.44         | 14.48                  | 14.34               |                     |                      |
| 10              | 16QAM      | 1       | 25        | 14.44         | 14.40                  | 14.35               |                     |                      |
| 10              | 16QAM      | 1       | 49        | 14.37         | 14.45                  | 14.43               | 15.5                | 0                    |
| 10              | 16QAM      | 25      | 0         | 14.40         | 14.40                  | 14.44               |                     |                      |
| 10              | 16QAM      | 25      | 12        | 14.35         | 14.38                  | 14.45               |                     |                      |
| 10              | 16QAM      | 25      | 25        | 14.43         | 14.38                  | 14.35               | 15.5                | 0                    |
| 10              | 16QAM      | 50      | 0         | 14.38         | 14.47                  | 14.42               |                     |                      |
| 10              | 64QAM      | 1       | 0         | 14.39         | 14.42                  | 14.43               |                     |                      |
| 10              | 64QAM      | 1       | 25        | 14.41         | 14.39                  | 14.39               | 15.5                | 0                    |
| 10              | 64QAM      | 1       | 49        | 14.42         | 14.46                  | 14.44               |                     |                      |
| 10              | 64QAM      | 25      | 0         | 14.40         | 14.46                  | 14.42               |                     |                      |
| 10              | 64QAM      | 25      | 12        | 14.37         | 14.43                  | 14.34               | 15.5                | 0                    |
| 10              | 64QAM      | 25      | 25        | 14.42         | 14.47                  | 14.37               |                     |                      |
| 10              | 64QAM      | 50      | 0         | 14.41         | 14.37                  | 14.45               |                     |                      |
| 10              | 256QAM     | 1       | 0         | 14.39         | 14.45                  | 14.41               | 15.5                | 0                    |
| 10              | 256QAM     | 1       | 25        | 14.40         | 14.46                  | 14.38               |                     |                      |
| 10              | 256QAM     | 1       | 49        | 14.37         | 14.39                  | 14.38               |                     |                      |
| 10              | 256QAM     | 25      | 0         | 14.45         | 14.43                  | 14.36               | 15.5                | 0                    |
| 10              | 256QAM     | 25      | 12        | 14.37         | 14.46                  | 14.41               |                     |                      |
| 10              | 256QAM     | 25      | 25        | 14.46         | 14.40                  | 14.44               |                     |                      |
| 10              | 256QAM     | 50      | 0         | 14.43         | 14.45                  | 14.35               |                     |                      |
| Channel         |            |         |           | 20972.5       | 21160                  | 21472.5             | Turn-up limit (dBm) | MPR (dB)             |
| Frequency (MHz) |            |         |           | 20972.5       | 21160                  | 21472.5             |                     |                      |
| 5               | QPSK       | 1       | 0         | 14.42         | 14.41                  | 14.37               | 15.5                | 0                    |
| 5               | QPSK       | 1       | 12        | 14.41         | 14.46                  | 14.35               |                     |                      |
| 5               | QPSK       | 1       | 24        | 14.35         | 14.42                  | 14.43               |                     |                      |
| 5               | QPSK       | 12      | 0         | 14.46         | 14.45                  | 14.42               | 15.5                | 0                    |
| 5               | QPSK       | 12      | 7         | 14.44         | 14.40                  | 14.35               |                     |                      |
| 5               | QPSK       | 12      | 13        | 14.36         | 14.37                  | 14.43               |                     |                      |
| 5               | QPSK       | 25      | 0         | 14.38         | 14.42                  | 14.38               | 15.5                | 0                    |
| 5               | 16QAM      | 1       | 0         | 14.44         | 14.44                  | 14.37               |                     |                      |
| 5               | 16QAM      | 1       | 12        | 14.40         | 14.47                  | 14.37               |                     |                      |
| 5               | 16QAM      | 1       | 24        | 14.35         | 14.45                  | 14.35               | 15.5                | 0                    |
| 5               | 16QAM      | 12      | 0         | 14.45         | 14.48                  | 14.45               |                     |                      |
| 5               | 16QAM      | 12      | 7         | 14.44         | 14.45                  | 14.44               |                     |                      |
| 5               | 16QAM      | 25      | 0         | 14.36         | 14.38                  | 14.43               | 15.5                | 0                    |
| 5               | 64QAM      | 1       | 0         | 14.44         | 14.43                  | 14.44               |                     |                      |
| 5               | 64QAM      | 1       | 12        | 14.42         | 14.39                  | 14.41               |                     |                      |
| 5               | 64QAM      | 1       | 24        | 14.44         | 14.40                  | 14.34               | 15.5                | 0                    |
| 5               | 64QAM      | 12      | 0         | 14.36         | 14.39                  | 14.44               |                     |                      |
| 5               | 64QAM      | 12      | 7         | 14.43         | 14.42                  | 14.44               |                     |                      |
| 5               | 64QAM      | 12      | 13        | 14.40         | 14.44                  | 14.39               | 15.5                | 0                    |
| 5               | 64QAM      | 25      | 0         | 14.42         | 14.42                  | 14.39               |                     |                      |
| 5               | 64QAM      | 25      | 12        | 14.44         | 14.39                  | 14.39               |                     |                      |
| 5               | 256QAM     | 1       | 0         | 14.38         | 14.45                  | 14.43               | 15.5                | 0                    |
| 5               | 256QAM     | 1       | 12        | 14.41         | 14.37                  | 14.35               |                     |                      |
| 5               | 256QAM     | 1       | 24        | 14.46         | 14.39                  | 14.37               |                     |                      |
| 5               | 256QAM     | 12      | 0         | 14.45         | 14.41                  | 14.42               | 15.5                | 0                    |
| 5               | 256QAM     | 12      | 7         | 14.35         | 14.39                  | 14.45               |                     |                      |
| 5               | 256QAM     | 12      | 13        | 14.38         | 14.46                  | 14.44               |                     |                      |
| 5               | 256QAM     | 25      | 0         | 14.36         | 14.41                  | 14.42               |                     |                      |

## DL CA Power

| 2CC        |                |                        |          |          |                |            |      |        |              |          |          |                |            |                        |                       |
|------------|----------------|------------------------|----------|----------|----------------|------------|------|--------|--------------|----------|----------|----------------|------------|------------------------|-----------------------|
| Configure  |                | CA Configuration (BCS) | PCC      |          |                |            |      |        | SCC          |          |          |                | Power      |                        |                       |
|            |                |                        | LTE Band | BW (MHz) | UL Freq. (MHz) | UL Channel | Mod. | UL# RB | UL RB Offset | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | With CA Tx.Power (dBm) | W/O CA Tx.Power (dBm) |
| Inter-Band | CA_2A-4A       | Band 2                 | 20M      | 1880     | 18900          | QPSK       | 1    | 0      | Band 4       | 20M      | 2132.5   | 2175           | 23.88      | 24.12                  |                       |
|            | CA_2A-7A       | Band 2                 | 20M      | 1880     | 18900          | QPSK       | 1    | 0      | Band 7       | 20M      | 2655     | 3100           | 23.75      | 24.12                  |                       |
|            | CA_4A-5A       | Band 4                 | 20M      | 1732.5   | 20175          | QPSK       | 1    | 0      | Band 5       | 10M      | 881.5    | 2525           | 23.11      | 23.15                  |                       |
|            | CA_4A-7A       | Band 4                 | 20M      | 1732.5   | 20175          | QPSK       | 1    | 0      | Band 7       | 20M      | 2655     | 3100           | 23.01      | 23.15                  |                       |
|            | CA_4A-12A      | Band 4                 | 20M      | 1732.5   | 20175          | QPSK       | 1    | 0      | Band 12      | 10M      | 737.5    | 5095           | 23.07      | 23.15                  |                       |
|            | CA_4A-17A      | Band 4                 | 10M      | 1732.5   | 20175          | QPSK       | 1    | 0      | Band 17      | 10M      | 740      | 5790           | 23.02      | 23.15                  |                       |
|            | CA_4A-48A      | Band 4                 | 10M      | 1732.5   | 20175          | QPSK       | 1    | 0      | Band 48      | 20M      | 3690     | 56640          | 23.04      | 23.15                  |                       |
|            | CA_5A-7A       | Band 5                 | 10M      | 836.5    | 20525          | QPSK       | 1    | 0      | Band 7       | 20M      | 2655     | 3100           | 23.85      | 24.05                  |                       |
|            | CA_5A-41A      | Band 5                 | 10M      | 836.5    | 20525          | QPSK       | 1    | 0      | Band 41      | 20M      | 2593     | 40620          | 23.76      | 24.05                  |                       |
|            | CA_5A-48A      | Band 5                 | 10M      | 836.5    | 20525          | QPSK       | 1    | 0      | Band 48      | 20M      | 3690     | 56640          | 23.77      | 24.05                  |                       |
|            | CA_5A-66A      | Band 5                 | 10M      | 836.5    | 20525          | QPSK       | 1    | 0      | Band 66      | 20M      | 2155     | 66886          | 23.82      | 24.05                  |                       |
|            | CA_12A-48A     | Band 12                | 10M      | 707.5    | 23095          | QPSK       | 1    | 0      | Band 48      | 20M      | 3690     | 56640          | 23.74      | 24.18                  |                       |
|            | CA_12A-66A     | Band 12                | 10M      | 707.5    | 23095          | QPSK       | 1    | 0      | Band 66      | 20M      | 2155     | 66886          | 23.89      | 24.18                  |                       |
|            | CA_41A-48A     | Band 41                | 20M      | 2593     | 40620          | QPSK       | 1    | 0      | Band 48      | 20M      | 3690     | 56640          | 23.21      | 23.31                  |                       |
|            | CA_48A-66A     | Band 66                | 20M      | 1745     | 132322         | QPSK       | 1    | 0      | Band 48      | 20M      | 3690     | 56640          | 23.03      | 23.19                  |                       |
| Intra-Band | CA_2A-38A      | Band 2                 | 20M      | 1880     | 18900          | QPSK       | 1    | 0      | Band 38      | 20M      | 2595     | 38000          | 23.75      | 24.12                  |                       |
|            | Non-Contiguous | CA_7A-7A               | Band 7   | 20M      | 2535           | 21100      | QPSK | 1      | 99           | Band 7   | 5M       | 2687.5         | 3425       | 22.48                  | 22.89                 |
|            |                | CA_41A-41A             | Band 41  | 20M      | 2549.5         | 40185      | QPSK | 1      | 0            | Band 41  | 5M       | 2687.5         | 41565      | 23.15                  | 23.31                 |
|            | CA_42A-42A     | Band 42                | 20M      | 3575     | 43340          | QPSK       | 1    | 0      | Band 42      | 5M       | 3597.5   | 43565          | 23.06      | 23.12                  |                       |
|            | Contiguous     | CA_2C                  | Band 2   | 20M      | 1880           | 18900      | QPSK | 1      | 0            | Band 2   | 20M      | 1979.80        | 1098       | 23.89                  | 24.12                 |
|            |                | CA_7C                  | Band 7   | 20M      | 2535           | 21100      | QPSK | 1      | 99           | Band 7   | 20M      | 2674.80        | 3298       | 22.67                  | 22.89                 |
|            |                | CA_42C                 | Band 42  | 20M      | 3560           | 43190      | QPSK | 1      | 0            | Band 42  | 20M      | 3579.80        | 43388      | 22.96                  | 23.12                 |
|            | CA_48B         | Band 48                | 10M      | 3607.5   | 55815          | QPSK       | 1    | 0      | Band 48      | 10M      | 3617.40  | 55914          | 23.02      | 23.17                  |                       |



Full&Default Power Mode

FR1 n2\_Ant 2(SA)

| FR1 n2_Ant 2(SA) |            |         |           |                          |                             |                           |                        |             |  |
|------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| 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          |            |         |           | 374000                   | 376000                      | 378000                    |                        |             |  |
| Frequency (MHz)  |            |         |           | 1870                     | 1880                        | 1890                      |                        |             |  |
| 40               | PV2 BPSK   | 1       | 1         | 23.33                    | 23.41                       | 23.38                     | 24.5                   | 0.0         |  |
| 40               | PV2 BPSK   | 1       | 108       | 23.35                    | 23.41                       | 23.38                     |                        |             |  |
| 40               | PV2 BPSK   | 1       | 214       | 23.33                    | 23.41                       | 23.30                     | 24.0                   | 0.5         |  |
| 40               | PV2 BPSK   | 108     | 0         | 22.83                    | 22.88                       | 22.88                     |                        |             |  |
| 40               | PV2 BPSK   | 108     | 54        | 23.39                    | 23.45                       | 23.36                     | 24.5                   | 0.0         |  |
| 40               | PV2 BPSK   | 108     | 108       | 22.92                    | 22.93                       | 22.90                     |                        |             |  |
| 40               | PV2 BPSK   | 216     | 0         | 22.93                    | 22.95                       | 22.87                     | 24.0                   | 0.5         |  |
| 40               | QPSK       | 1       | 1         | 23.48                    | 23.48                       | 23.45                     |                        |             |  |
| 40               | QPSK       | 1       | 108       | 23.41                    | 23.44                       | 23.38                     | 24.5                   | 0.0         |  |
| 40               | QPSK       | 1       | 214       | 23.33                    | 23.41                       | 23.35                     |                        |             |  |
| 40               | QPSK       | 108     | 0         | 22.40                    | 22.43                       | 22.39                     | 23.5                   | 1.0         |  |
| 40               | QPSK       | 108     | 54        | 23.38                    | 23.38                       | 23.33                     |                        |             |  |
| 40               | QPSK       | 108     | 108       | 22.39                    | 22.43                       | 22.35                     | 23.5                   | 1.0         |  |
| 40               | QPSK       | 216     | 0         | 22.40                    | 22.42                       | 22.30                     |                        |             |  |
| 40               | 16QAM      | 1       | 1         | 22.18                    | 22.18                       | 22.21                     | 23.5                   | 1.0         |  |
| 40               | 64QAM      | 1       | 1         | 20.73                    | 20.71                       | 20.75                     |                        |             |  |
| 40               | 256QAM     | 1       | 1         | 19.37                    | 19.35                       | 19.39                     | 20.0                   | 2.5         |  |
| Channel          |            |         |           | 372000                   | 374000                      | 376000                    |                        |             |  |
| Frequency (MHz)  |            |         |           | 1867.5                   | 1880                        | 1892.5                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 35               | PV2 BPSK   | 1       | 1         | 23.38                    | 23.40                       | 23.38                     | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 372000                   | 374000                      | 376000                    | 24.5                   | 0.0         |  |
| Frequency (MHz)  |            |         |           | 1865                     | 1880                        | 1895                      |                        |             |  |
| 30               | PV2 BPSK   | 1       | 1         | 23.36                    | 23.36                       | 23.29                     | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 372000                   | 374000                      | 376000                    | 24.5                   | 0.0         |  |
| Frequency (MHz)  |            |         |           | 1862.5                   | 1880                        | 1897.5                    |                        |             |  |
| 25               | PV2 BPSK   | 1       | 1         | 23.33                    | 23.36                       | 23.32                     | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 372000                   | 374000                      | 376000                    | 24.5                   | 0.0         |  |
| Frequency (MHz)  |            |         |           | 1860                     | 1880                        | 1900                      |                        |             |  |
| 20               | PV2 BPSK   | 1       | 1         | 23.41                    | 23.41                       | 23.35                     | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 371500                   | 374000                      | 376500                    | 24.5                   | 0.0         |  |
| Frequency (MHz)  |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |             |  |
| 15               | PV2 BPSK   | 1       | 1         | 23.39                    | 23.36                       | 23.34                     | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 371000                   | 376000                      | 381000                    | 24.5                   | 0.0         |  |
| Frequency (MHz)  |            |         |           | 1855                     | 1880                        | 1905                      |                        |             |  |
| 10               | PV2 BPSK   | 1       | 1         | 23.35                    | 23.34                       | 23.34                     | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 370500                   | 376000                      | 381500                    | 24.5                   | 0.0         |  |
| Frequency (MHz)  |            |         |           | 1852.5                   | 1880                        | 1907.5                    |                        |             |  |
| 5                | PV2 BPSK   | 1       | 1         | 23.37                    | 23.36                       | 23.31                     | 24.5                   | 0.0         |  |

FR1 n5\_Ant 0(SA)

| FR1 n5_Ant 0(SA) |            |         |           |                          |                           |                             |                        |             |  |
|------------------|------------|---------|-----------|--------------------------|---------------------------|-----------------------------|------------------------|-------------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power<br>High Ch. / Freq. | Power Middle<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel          |            |         |           | 167300                   | 167300                    | 167300                      |                        |             |  |
| Frequency (MHz)  |            |         |           | 836.5                    | 836.5                     | 836.5                       |                        |             |  |
| 25               | Pi2 BPSK   | 1       | 1         | 23.59                    | 23.55                     | 23.54                       | 24.5                   | 0.0         |  |
| 25               | Pi2 BPSK   | 1       | 32        | 23.60                    | 23.56                     | 23.55                       |                        |             |  |
| 25               | Pi2 BPSK   | 1       | 64        | 23.53                    | 23.62                     | 23.54                       | 24.0                   | 0.5         |  |
| 25               | Pi2 BPSK   | 64      | 0         | 23.07                    | 23.10                     | 23.07                       |                        |             |  |
| 25               | Pi2 BPSK   | 64      | 32        | 23.59                    | 23.60                     | 23.56                       | 24.5                   | 0.0         |  |
| 25               | Pi2 BPSK   | 64      | 64        | 23.01                    | 23.02                     | 23.01                       |                        |             |  |
| 25               | Pi2 BPSK   | 128     | 0         | 23.01                    | 23.12                     | 23.06                       | 24.0                   | 0.5         |  |
| 25               | QPSK       | 1       | 1         | 23.65                    | 23.68                     | 23.63                       |                        |             |  |
| 25               | QPSK       | 1       | 32        | 23.57                    | 23.59                     | 23.48                       | 24.5                   | 0.0         |  |
| 25               | QPSK       | 1       | 64        | 23.58                    | 23.52                     | 23.51                       |                        |             |  |
| 25               | QPSK       | 64      | 0         | 22.60                    | 22.63                     | 22.55                       | 23.5                   | 1.0         |  |
| 25               | QPSK       | 64      | 32        | 23.58                    | 23.61                     | 23.51                       |                        |             |  |
| 25               | QPSK       | 64      | 64        | 22.52                    | 22.57                     | 22.53                       | 23.5                   | 1.0         |  |
| 25               | QPSK       | 128     | 0         | 22.51                    | 22.62                     | 22.53                       |                        |             |  |
| 25               | 16QAM      | 1       | 1         | 22.28                    | 22.30                     | 22.25                       | 23.5                   | 1.0         |  |
| 25               | 64QAM      | 1       | 1         | 20.74                    | 20.76                     | 20.72                       |                        |             |  |
| 25               | 256QAM     | 1       | 1         | 19.43                    | 19.45                     | 19.42                       | 20.0                   | 2.5         |  |
| Channel          |            |         |           | 166800                   | 167000                    | 167600                      |                        |             |  |
| Frequency (MHz)  |            |         |           | 834                      | 836.5                     | 839                         | Tune-up limit          | MPR         |  |
| 20               | Pi2 BPSK   | 1       | 1         | 23.58                    | 23.58                     | 23.53                       | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 166800                   | 167000                    | 168300                      | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 831.5                    | 836.5                     | 841.5                       | (dBm)                  | (dB)        |  |
| 15               | Pi2 BPSK   | 1       | 1         | 23.55                    | 23.62                     | 23.52                       | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 165800                   | 167000                    | 168800                      | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 829                      | 836.5                     | 844                         | (dBm)                  | (dB)        |  |
| 10               | Pi2 BPSK   | 1       | 1         | 23.56                    | 23.59                     | 23.50                       | 24.5                   | 0.0         |  |
| Channel          |            |         |           | 165300                   | 167000                    | 169300                      | Tune-up limit          | MPR         |  |
| Frequency (MHz)  |            |         |           | 826.5                    | 836.5                     | 846.5                       | (dBm)                  | (dB)        |  |
| 5                | Pi2 BPSK   | 1       | 1         | 23.54                    | 23.58                     | 23.56                       | 24.5                   | 0.0         |  |

| FR1 n66_Ant 2(SA) |            |         |           |                             |                                |                              |                        |             |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| 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           |            |         |           | 346500                      | 349000                         | 351500                       |                        |             |
| Frequency (MHz)   |            |         |           | 1732.5                      | 1745                           | 1757.5                       |                        |             |
| 45                | PV2 BPSK   | 1       | 1         | 23.48                       | 23.49                          | 23.44                        | 24.5                   | 0.0         |
| 45                | PV2 BPSK   | 1       | 120       | 23.52                       | 23.50                          | 23.46                        |                        |             |
| 45                | PV2 BPSK   | 1       | 240       | 23.53                       | 23.57                          | 23.45                        |                        |             |
| 45                | PV2 BPSK   | 120     | 0         | 22.99                       | 22.98                          | 23.00                        | 24.0                   | 0.5         |
| 45                | PV2 BPSK   | 120     | 80        | 23.49                       | 23.48                          | 23.52                        | 24.5                   | 0.0         |
| 45                | PV2 BPSK   | 120     | 120       | 23.02                       | 22.98                          | 23.01                        | 24.0                   | 0.5         |
| 45                | PV2 BPSK   | 240     | 0         | 22.94                       | 22.99                          | 22.93                        |                        |             |
| 45                | QPSK       | 1       | 1         | 23.58                       | 23.82                          | 23.57                        |                        |             |
| 45                | QPSK       | 1       | 120       | 23.44                       | 23.55                          | 23.44                        | 24.5                   | 0.0         |
| 45                | QPSK       | 1       | 240       | 23.53                       | 23.49                          | 23.50                        |                        |             |
| 45                | QPSK       | 120     | 0         | 22.45                       | 22.53                          | 22.47                        | 23.5                   | 1.0         |
| 45                | QPSK       | 120     | 80        | 23.51                       | 23.58                          | 23.50                        | 23.5                   | 0.0         |
| 45                | QPSK       | 120     | 120       | 22.45                       | 22.57                          | 22.49                        | 23.5                   | 1.0         |
| 45                | QPSK       | 240     | 0         | 22.42                       | 22.49                          | 22.42                        |                        |             |
| 45                | 16QAM      | 1       | 1         | 22.47                       | 22.50                          | 22.45                        | 23.5                   | 1.0         |
| 45                | 64QAM      | 1       | 1         | 21.01                       | 21.03                          | 21.00                        | 22.0                   | 2.5         |
| 45                | 256QAM     | 1       | 1         | 18.98                       | 19.05                          | 18.99                        | 20.0                   | 4.5         |
| Channel           |            |         |           | 349000                      | 349000                         | 352000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1730                        | 1745                           | 1760                         | (dBm)                  | (dB)        |
| 40                | PV2 BPSK   | 1       | 1         | 23.51                       | 23.51                          | 23.48                        | 24.5                   | 0.0         |
| Channel           |            |         |           | 352000                      | 352000                         | 355000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1727.5                      | 1745                           | 1762.5                       | (dBm)                  | (dB)        |
| 35                | PV2 BPSK   | 1       | 1         | 23.53                       | 23.57                          | 23.44                        | 24.5                   | 0.0         |
| Channel           |            |         |           | 355000                      | 355000                         | 358000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1725                        | 1745                           | 1765                         | (dBm)                  | (dB)        |
| 30                | PV2 BPSK   | 1       | 1         | 23.47                       | 23.48                          | 23.51                        | 24.5                   | 0.0         |
| Channel           |            |         |           | 358000                      | 358000                         | 361000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1722.5                      | 1745                           | 1767.5                       | (dBm)                  | (dB)        |
| 25                | PV2 BPSK   | 1       | 1         | 23.50                       | 23.48                          | 23.50                        | 24.5                   | 0.0         |
| Channel           |            |         |           | 361000                      | 361000                         | 364000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1720                        | 1745                           | 1770                         | (dBm)                  | (dB)        |
| 20                | PV2 BPSK   | 1       | 1         | 23.45                       | 23.52                          | 23.47                        | 24.5                   | 0.0         |
| Channel           |            |         |           | 365000                      | 365000                         | 368000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1717.5                      | 1745                           | 1772.5                       | (dBm)                  | (dB)        |
| 15                | PV2 BPSK   | 1       | 1         | 23.51                       | 23.58                          | 23.43                        | 24.5                   | 0.0         |
| Channel           |            |         |           | 369000                      | 369000                         | 372000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1715                        | 1745                           | 1775                         | (dBm)                  | (dB)        |
| 10                | PV2 BPSK   | 1       | 1         | 23.48                       | 23.48                          | 23.50                        | 24.5                   | 0.0         |
| Channel           |            |         |           | 375000                      | 375000                         | 378000                       | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1712.5                      | 1745                           | 1777.5                       | (dBm)                  | (dB)        |
| 5                 | PV2 BPSK   | 1       | 1         | 23.45                       | 23.55                          | 23.45                        | 24.5                   | 0.0         |



| FR1 n77_Ant 2(SA)<br>FCC Part 27O (3700-3980MHz) |            |         |           |                             |                                |                              |                        |             |  |  |  |
|--------------------------------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|--|--|
| BW [MHz]                                         | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 100                                              | PI2 BPSK   | 1       | 1         | 22.90                       | 22.84                          | 22.77                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | PI2 BPSK   | 1       | 137       | 22.94                       | 22.90                          | 22.84                        |                        |             |  |  |  |
| 100                                              | PI2 BPSK   | 1       | 271       | 22.86                       | 22.84                          | 22.84                        |                        |             |  |  |  |
| 100                                              | PI2 BPSK   | 135     | 0         | 22.93                       | 22.93                          | 22.79                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | PI2 BPSK   | 135     | 69        | 22.94                       | 22.86                          | 22.76                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | PI2 BPSK   | 135     | 138       | 22.91                       | 22.87                          | 22.79                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | PI2 BPSK   | 270     | 0         | 22.84                       | 22.86                          | 22.74                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 1       | 1         | 23.00                       | 23.01                          | 22.89                        |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 137       | 22.84                       | 22.91                          | 22.73                        |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 271       | 22.94                       | 22.96                          | 22.77                        | 23.5                   | 0.5         |  |  |  |
| 100                                              | QPSK       | 135     | 0         | 22.96                       | 22.97                          | 22.29                        |                        |             |  |  |  |
| 100                                              | QPSK       | 135     | 69        | 22.86                       | 22.94                          | 22.73                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 135     | 138       | 22.40                       | 22.37                          | 22.25                        | 23.5                   | 0.5         |  |  |  |
| 100                                              | QPSK       | 270     | 0         | 22.35                       | 22.38                          | 22.34                        | 23.5                   | 0.5         |  |  |  |
| 100                                              | 16QAM      | 1       | 1         | 22.40                       | 22.45                          | 22.27                        |                        |             |  |  |  |
| 100                                              | 64QAM      | 1       | 1         | 20.91                       | 20.96                          | 20.76                        |                        | 2.0         |  |  |  |
| 100                                              | 256QAM     | 1       | 1         | 18.85                       | 18.89                          | 18.75                        | 20.0                   | 4.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 90                                               | QPSK       | 1       | 1         | 22.97                       | 22.98                          | 22.66                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 80                                               | QPSK       | 1       | 1         | 22.94                       | 22.99                          | 22.67                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 70                                               | QPSK       | 1       | 1         | 22.94                       | 22.97                          | 22.71                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 60                                               | QPSK       | 1       | 1         | 22.96                       | 22.99                          | 22.69                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 50                                               | QPSK       | 1       | 1         | 22.99                       | 22.97                          | 22.70                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 40                                               | QPSK       | 1       | 1         | 22.94                       | 23.00                          | 22.68                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 30                                               | QPSK       | 1       | 1         | 22.97                       | 22.97                          | 22.66                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 25                                               | QPSK       | 1       | 1         | 22.93                       | 22.94                          | 22.68                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 20                                               | QPSK       | 1       | 1         | 22.98                       | 22.95                          | 22.69                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 15                                               | QPSK       | 1       | 1         | 22.96                       | 22.99                          | 22.66                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 10                                               | QPSK       | 1       | 1         | 22.98                       | 22.94                          | 22.70                        | 24.0                   | 0.0         |  |  |  |

| FR1 n77_Ant 2(SA)<br>FCC Part 27Q (3450-3550MHz) |            |         |           |                             |                                |                              |                        |             |  |  |  |
|--------------------------------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|--|--|
| BW [MHz]                                         | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 100                                              | PI2 BPSK   | 1       | 1         | 22.81                       | 22.81                          | 22.81                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | PI2 BPSK   | 1       | 137       | 22.90                       | 22.90                          | 22.90                        |                        |             |  |  |  |
| 100                                              | PI2 BPSK   | 1       | 271       | 22.80                       | 22.80                          | 22.80                        |                        |             |  |  |  |
| 100                                              | PI2 BPSK   | 135     | 0         | 22.81                       | 22.81                          | 22.81                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | PI2 BPSK   | 135     | 69        | 22.84                       | 22.84                          | 22.84                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | PI2 BPSK   | 135     | 138       | 22.88                       | 22.88                          | 22.88                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | PI2 BPSK   | 270     | 0         | 22.80                       | 22.80                          | 22.80                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 1       | 1         | 23.15                       | 23.15                          | 23.15                        |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 137       | 22.88                       | 22.88                          | 22.88                        |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 271       | 22.82                       | 22.82                          | 22.82                        | 23.5                   | 0.5         |  |  |  |
| 100                                              | QPSK       | 135     | 0         | 22.98                       | 22.98                          | 22.98                        |                        |             |  |  |  |
| 100                                              | QPSK       | 135     | 69        | 22.89                       | 22.89                          | 22.89                        | 24.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 135     | 138       | 22.32                       | 22.32                          | 22.32                        | 23.5                   | 0.5         |  |  |  |
| 100                                              | QPSK       | 270     | 0         | 22.34                       | 22.34                          | 22.34                        | 23.5                   | 0.5         |  |  |  |
| 100                                              | 16QAM      | 1       | 1         | 22.38                       | 22.38                          | 22.38                        |                        |             |  |  |  |
| 100                                              | 64QAM      | 1       | 1         | 20.81                       | 20.81                          | 20.81                        |                        | 2.0         |  |  |  |
| 100                                              | 256QAM     | 1       | 1         | 18.82                       | 18.82                          | 18.82                        | 20.0                   | 4.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 90                                               | QPSK       | 1       | 1         | 22.89                       | 22.94                          | 22.90                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 80                                               | QPSK       | 1       | 1         | 22.93                       | 22.94                          | 22.92                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 70                                               | QPSK       | 1       | 1         | 22.94                       | 22.90                          | 22.93                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 60                                               | QPSK       | 1       | 1         | 22.93                       | 22.94                          | 22.94                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 50                                               | QPSK       | 1       | 1         | 22.90                       | 22.89                          | 22.92                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 40                                               | QPSK       | 1       | 1         | 22.91                       | 22.91                          | 22.94                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 30                                               | QPSK       | 1       | 1         | 22.88                       | 22.91                          | 22.88                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 25                                               | QPSK       | 1       | 1         | 22.91                       | 22.88                          | 22.91                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 20                                               | QPSK       | 1       | 1         | 22.86                       | 22.88                          | 22.94                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 15                                               | QPSK       | 1       | 1         | 22.86                       | 22.93                          | 22.94                        | 24.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 10                                               | QPSK       | 1       | 1         | 22.88                       | 22.93                          | 22.90                        | 24.0                   | 0.0         |  |  |  |

| FR1 n77_Ant 2(SA)          |            |         |           |                           |                              |                            |                        |             |
|----------------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|------------------------|-------------|
| FCC Part 96 (3550-3700MHz) |            |         |           |                           |                              |                            |                        |             |
| 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                    |            |         |           | 640000                    | 641666                       | 643332                     |                        |             |
| Frequency (MHz)            |            |         |           | 3500                      | 3624.99                      | 3648.98                    |                        |             |
| 100                        | PV2 BPSK   | 1       | 1         | 20.75                     | 20.68                        | 20.65                      | 21.8                   | 0.0         |
| 100                        | PV2 BPSK   | 1       | 137       | 20.71                     | 20.78                        | 20.73                      |                        |             |
| 100                        | PV2 BPSK   | 1       | 271       | 20.67                     | 20.74                        | 20.70                      |                        |             |
| 100                        | PV2 BPSK   | 135     | 0         | 20.71                     | 20.73                        | 20.65                      | 21.8                   | 0.0         |
| 100                        | PV2 BPSK   | 135     | 69        | 20.76                     | 20.70                        | 20.78                      | 21.8                   | 0.0         |
| 100                        | PV2 BPSK   | 135     | 138       | 20.72                     | 20.77                        | 20.70                      | 21.8                   | 0.0         |
| 100                        | PV2 BPSK   | 270     | 0         | 20.68                     | 20.73                        | 20.69                      | 21.8                   | 0.0         |
| 100                        | QPSK       | 1       | 1         | 20.76                     | 20.93                        | 20.92                      |                        |             |
| 100                        | QPSK       | 1       | 137       | 20.75                     | 20.88                        | 20.74                      |                        |             |
| 100                        | QPSK       | 1       | 271       | 20.71                     | 20.78                        | 20.71                      | 21.8                   | 0.0         |
| 100                        | QPSK       | 135     | 0         | 20.71                     | 20.74                        | 20.67                      | 21.8                   | 0.0         |
| 100                        | QPSK       | 135     | 69        | 20.74                     | 20.92                        | 20.91                      | 21.8                   | 0.0         |
| 100                        | QPSK       | 135     | 138       | 20.72                     | 20.72                        | 20.69                      | 21.8                   | 0.0         |
| 100                        | QPSK       | 270     | 0         | 20.76                     | 20.76                        | 20.67                      |                        |             |
| 100                        | 16QAM      | 1       | 1         | 20.72                     | 20.88                        | 20.88                      |                        |             |
| 100                        | 64QAM      | 1       | 1         | 20.62                     | 20.78                        | 20.83                      | 21.8                   | 0.0         |
| 100                        | 256QAM     | 1       | 1         | 18.70                     | 18.80                        | 18.87                      | 20.0                   | 1.8         |
| Channel                    |            |         |           | 639666                    | 641666                       | 643666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3606.02                   | 3624.99                      | 3654.99                    | (dBm)                  | (dB)        |
| 90                         | QPSK       | 1       | 1         | 20.70                     | 20.71                        | 20.69                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 639334                    | 641666                       | 644000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3600.01                   | 3624.99                      | 3660                       | (dBm)                  | (dB)        |
| 80                         | QPSK       | 1       | 1         | 20.67                     | 20.67                        | 20.71                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 639000                    | 641666                       | 644332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3595                      | 3624.99                      | 3664.98                    | (dBm)                  | (dB)        |
| 70                         | QPSK       | 1       | 1         | 20.75                     | 20.77                        | 20.78                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 638668                    | 641666                       | 644666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3580.02                   | 3624.99                      | 3669.99                    | (dBm)                  | (dB)        |
| 60                         | QPSK       | 1       | 1         | 20.68                     | 20.72                        | 20.77                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 638334                    | 641666                       | 645000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3575.01                   | 3624.99                      | 3675                       | (dBm)                  | (dB)        |
| 50                         | QPSK       | 1       | 1         | 20.66                     | 20.72                        | 20.68                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 638000                    | 641666                       | 645332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3570                      | 3624.99                      | 3679.98                    | (dBm)                  | (dB)        |
| 40                         | QPSK       | 1       | 1         | 20.68                     | 20.67                        | 20.71                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 637668                    | 641666                       | 645666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3565.02                   | 3624.99                      | 3684.99                    | (dBm)                  | (dB)        |
| 30                         | QPSK       | 1       | 1         | 20.71                     | 20.77                        | 20.72                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 637334                    | 641666                       | 646000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 637000                    | 3624.99                      | 646332                     | (dBm)                  | (dB)        |
| 25                         | QPSK       | 1       | 1         | 20.68                     | 20.88                        | 3687.48                    | 21.8                   | 0.0         |
| Channel                    |            |         |           | 636334                    | 641666                       | 646332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3560.01                   | 3624.99                      | 3690                       | (dBm)                  | (dB)        |
| 20                         | QPSK       | 1       | 1         | 20.68                     | 20.85                        | 20.75                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 636000                    | 641666                       | 646666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3557.52                   | 3624.99                      | 3692.49                    | (dBm)                  | (dB)        |
| 15                         | QPSK       | 1       | 1         | 20.65                     | 20.71                        | 20.65                      | 21.8                   | 0.0         |
| Channel                    |            |         |           | 635000                    | 641666                       | 646332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3555                      | 3624.99                      | 3694.98                    | (dBm)                  | (dB)        |
| 10                         | QPSK       | 1       | 1         | 20.70                     | 20.69                        | 20.75                      | 21.8                   | 0.0         |

## Reduced Power for State 1

FR1 n2\_Ant 2(SA)

| 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         |            |         |           | 374000                      | 376000                         | 378000                       | 20.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 1820                        | 1880                           | 1890                         |                        |             |
| 40              | P12 BPSK   | 1       | 1         | 19.40                       | 19.37                          | 19.36                        | 20.5                   | 0.0         |
| 40              | P12 BPSK   | 1       | 108       | 19.41                       | 19.43                          | 19.35                        |                        |             |
| 40              | P12 BPSK   | 1       | 214       | 19.43                       | 19.40                          | 19.43                        | 20.5                   | 0.0         |
| 40              | P12 BPSK   | 108     | 0         | 19.43                       | 19.43                          | 19.32                        |                        |             |
| 40              | P12 BPSK   | 108     | 54        | 19.41                       | 19.44                          | 19.43                        | 20.5                   | 0.0         |
| 40              | P12 BPSK   | 108     | 108       | 19.44                       | 19.39                          | 19.37                        |                        |             |
| 40              | P12 BPSK   | 216     | 0         | 19.37                       | 19.40                          | 19.39                        | 20.5                   | 0.0         |
| 40              | QPSK       | 1       | 1         | 19.50                       | 19.52                          | 19.48                        |                        |             |
| 40              | QPSK       | 1       | 108       | 19.34                       | 19.42                          | 19.41                        | 20.5                   | 0.0         |
| 40              | QPSK       | 1       | 214       | 19.39                       | 19.39                          | 19.40                        |                        |             |
| 40              | QPSK       | 108     | 0         | 19.35                       | 19.42                          | 19.33                        | 20.5                   | 0.0         |
| 40              | QPSK       | 108     | 54        | 19.42                       | 19.45                          | 19.43                        |                        |             |
| 40              | QPSK       | 108     | 108       | 19.35                       | 19.38                          | 19.32                        | 20.5                   | 0.0         |
| 40              | QPSK       | 216     | 0         | 19.40                       | 19.42                          | 19.37                        |                        |             |
| 40              | 16QAM      | 1       | 1         | 19.34                       | 19.37                          | 19.39                        | 20.5                   | 0.0         |
| 40              | 64QAM      | 1       | 1         | 19.44                       | 19.42                          | 19.39                        |                        |             |
| 40              | 256QAM     | 1       | 1         | 19.20                       | 19.25                          | 19.15                        | 20.0                   | 0.5         |
| Channel         |            |         |           | 372000                      | 374000                         | 376000                       | 20.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 1867.5                      | 1880                           | 1892.5                       |                        |             |
| 35              | P12 BPSK   | 1       | 1         | 19.45                       | 19.39                          | 19.37                        | 20.5                   | 0.0         |
| Channel         |            |         |           | 372000                      | 374000                         | 376000                       |                        |             |
| Frequency (MHz) |            |         |           | 1865                        | 1880                           | 1895                         | 20.5                   | 0.0         |
| 30              | P12 BPSK   | 1       | 1         | 19.45                       | 19.37                          | 19.33                        |                        |             |
| Channel         |            |         |           | 372000                      | 374000                         | 376000                       | 20.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 1862.5                      | 1880                           | 1897.5                       |                        |             |
| 25              | P12 BPSK   | 1       | 1         | 19.34                       | 19.47                          | 19.38                        | 20.5                   | 0.0         |
| Channel         |            |         |           | 372000                      | 374000                         | 376000                       |                        |             |
| Frequency (MHz) |            |         |           | 1860                        | 1880                           | 1900                         | 20.5                   | 0.0         |
| 20              | P12 BPSK   | 1       | 1         | 19.44                       | 19.43                          | 19.36                        |                        |             |
| Channel         |            |         |           | 371500                      | 374000                         | 376500                       | 20.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 1857.5                      | 1880                           | 1902.5                       |                        |             |
| 15              | P12 BPSK   | 1       | 1         | 19.34                       | 19.43                          | 19.33                        | 20.5                   | 0.0         |
| Channel         |            |         |           | 371000                      | 374000                         | 377000                       |                        |             |
| Frequency (MHz) |            |         |           | 1855                        | 1880                           | 1905                         | 20.5                   | 0.0         |
| 10              | P12 BPSK   | 1       | 1         | 19.34                       | 19.37                          | 19.35                        |                        |             |
| Channel         |            |         |           | 370500                      | 374000                         | 377500                       | 20.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 1852.5                      | 1880                           | 1907.5                       |                        |             |
| 5               | P12 BPSK   | 1       | 1         | 19.35                       | 19.42                          | 19.41                        | 20.5                   | 0.0         |

FR1 n5\_Ant 0(SA)

| 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         |            |         |           | 167300                      | 167300                         | 167300                       | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 836.5                       | 836.5                          | 836.5                        |                        |             |
| 25              | P12 BPSK   | 1       | 1         | 21.57                       | 21.54                          | 21.53                        | 22.5                   | 0.0         |
| 25              | P12 BPSK   | 1       | 32        | 21.53                       | 21.54                          | 21.58                        |                        |             |
| 25              | P12 BPSK   | 1       | 64        | 21.58                       | 21.60                          | 21.56                        | 22.5                   | 0.0         |
| 25              | P12 BPSK   | 64      | 0         | 21.51                       | 21.60                          | 21.53                        |                        |             |
| 25              | P12 BPSK   | 64      | 32        | 21.52                       | 21.54                          | 21.60                        | 22.5                   | 0.0         |
| 25              | P12 BPSK   | 64      | 64        | 21.58                       | 21.64                          | 21.56                        |                        |             |
| 25              | P12 BPSK   | 128     | 0         | 21.52                       | 21.60                          | 21.60                        | 22.5                   | 0.0         |
| 25              | QPSK       | 1       | 1         | 21.67                       | 21.70                          | 21.68                        |                        |             |
| 25              | QPSK       | 1       | 32        | 21.52                       | 21.57                          | 21.56                        | 22.5                   | 0.0         |
| 25              | QPSK       | 1       | 64        | 21.51                       | 21.65                          | 21.52                        |                        |             |
| 25              | QPSK       | 64      | 0         | 21.55                       | 21.58                          | 21.55                        | 22.5                   | 0.0         |
| 25              | QPSK       | 64      | 32        | 21.60                       | 21.64                          | 21.58                        |                        |             |
| 25              | QPSK       | 64      | 64        | 21.52                       | 21.60                          | 21.52                        | 22.5                   | 0.0         |
| 25              | QPSK       | 128     | 0         | 21.52                       | 21.63                          | 21.58                        |                        |             |
| 25              | 16QAM      | 1       | 1         | 21.61                       | 21.62                          | 21.50                        | 22.5                   | 0.0         |
| 25              | 64QAM      | 1       | 1         | 20.74                       | 20.76                          | 20.72                        |                        |             |
| 25              | 256QAM     | 1       | 1         | 19.43                       | 19.45                          | 19.42                        | 20.0                   | 2.5         |
| Channel         |            |         |           | 168500                      | 168500                         | 168500                       | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 834                         | 836.5                          | 839                          |                        |             |
| 20              | P12 BPSK   | 1       | 1         | 21.60                       | 21.54                          | 21.52                        | 22.5                   | 0.0         |
| Channel         |            |         |           | 168500                      | 168500                         | 168500                       |                        |             |
| Frequency (MHz) |            |         |           | 831.5                       | 836.5                          | 841.5                        | 22.5                   | 0.0         |
| 15              | P12 BPSK   | 1       | 1         | 21.51                       | 21.62                          | 21.50                        |                        |             |
| Channel         |            |         |           | 168500                      | 168500                         | 168500                       | 22.5                   | 0.0         |
| Frequency (MHz) |            |         |           | 829                         | 836.5                          | 844                          |                        |             |
| 10              | P12 BPSK   | 1       | 1         | 21.56                       | 21.64                          | 21.59                        | 22.5                   | 0.0         |
| Channel         |            |         |           | 168500                      | 168500                         | 168500                       |                        |             |
| Frequency (MHz) |            |         |           | 826.5                       | 836.5                          | 846.5                        | 22.5                   | 0.0         |
| 5               | P12 BPSK   | 1       | 1         | 21.58                       | 21.62                          | 21.62                        |                        |             |

| FR1 n66_Ant 2(SA) |            |         |           |                    |                       |                     |                        |             |
|-------------------|------------|---------|-----------|--------------------|-----------------------|---------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power              | Power                 | Power               | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                   |            |         |           | Low<br>Ch. / Freq. | Middle<br>Ch. / Freq. | High<br>Ch. / Freq. |                        |             |
| Channel           |            |         |           | 346500             | 349000                | 351500              |                        |             |
| Frequency (MHz)   |            |         |           | 1732.5             | 1745                  | 1767.5              |                        |             |
| 45                | PV2 BPSK   | 1       | 1         | 18.55              | 18.49                 | 18.51               | 20.5                   | 0.0         |
| 45                | PV2 BPSK   | 1       | 120       | 18.50              | 18.51                 | 18.48               |                        |             |
| 45                | PV2 BPSK   | 1       | 240       | 18.56              | 18.57                 | 18.46               |                        |             |
| 45                | PV2 BPSK   | 120     | 0         | 18.48              | 18.55                 | 18.45               | 20.5                   | 0.0         |
| 45                | PV2 BPSK   | 120     | 80        | 18.55              | 18.52                 | 18.48               |                        |             |
| 45                | PV2 BPSK   | 120     | 120       | 18.54              | 18.49                 | 18.55               |                        |             |
| 45                | PV2 BPSK   | 240     | 0         | 18.48              | 18.51                 | 18.45               | 20.5                   | 0.0         |
| 45                | QPSK       | 1       | 1         | 18.62              | 18.65                 | 18.60               |                        |             |
| 45                | QPSK       | 1       | 120       | 18.53              | 18.54                 | 18.47               |                        |             |
| 45                | QPSK       | 1       | 240       | 18.56              | 18.55                 | 18.48               | 20.5                   | 0.0         |
| 45                | QPSK       | 120     | 0         | 18.55              | 18.51                 | 18.50               |                        |             |
| 45                | QPSK       | 120     | 80        | 18.63              | 18.63                 | 18.58               |                        |             |
| 45                | QPSK       | 120     | 120       | 18.57              | 18.54                 | 18.47               | 20.5                   | 0.0         |
| 45                | QPSK       | 240     | 0         | 18.48              | 18.53                 | 18.49               |                        |             |
| 45                | 16QAM      | 1       | 1         | 18.55              | 18.54                 | 18.55               |                        |             |
| 45                | 64QAM      | 1       | 1         | 18.53              | 18.54                 | 18.46               | 20.5                   | 0.0         |
| 45                | 256QAM     | 1       | 1         | 18.98              | 18.05                 | 18.99               |                        |             |
| Channel           |            |         |           | 349000             | 350000                | 352000              | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1730               | 1745                  | 1760                | (dBm)                  | (dB)        |
| 40                | PV2 BPSK   | 1       | 1         | 18.56              | 18.57                 | 18.48               | 20.5                   | 0.0         |
| Channel           |            |         |           | 352000             | 353000                | 355000              | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1727.5             | 1745                  | 1762.5              | (dBm)                  | (dB)        |
| 35                | PV2 BPSK   | 1       | 1         | 18.49              | 18.50                 | 18.47               | 20.5                   | 0.0         |
| Channel           |            |         |           | 355000             | 356000                | 358000              | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1725               | 1745                  | 1765                | (dBm)                  | (dB)        |
| 30                | PV2 BPSK   | 1       | 1         | 18.52              | 18.58                 | 18.44               | 20.5                   | 0.0         |
| Channel           |            |         |           | 358000             | 359000                | 361000              | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1722.5             | 1745                  | 1767.5              | (dBm)                  | (dB)        |
| 25                | PV2 BPSK   | 1       | 1         | 18.51              | 18.59                 | 18.45               | 20.5                   | 0.0         |
| Channel           |            |         |           | 361000             | 362000                | 364000              | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1720               | 1745                  | 1770                | (dBm)                  | (dB)        |
| 20                | PV2 BPSK   | 1       | 1         | 18.57              | 18.54                 | 18.47               | 20.5                   | 0.0         |
| Channel           |            |         |           | 365000             | 366000                | 368000              | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1717.5             | 1745                  | 1772.5              | (dBm)                  | (dB)        |
| 15                | PV2 BPSK   | 1       | 1         | 18.47              | 18.58                 | 18.52               | 20.5                   | 0.0         |
| Channel           |            |         |           | 369000             | 370000                | 372000              | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1715               | 1745                  | 1775                | (dBm)                  | (dB)        |
| 10                | PV2 BPSK   | 1       | 1         | 18.50              | 18.54                 | 18.45               | 20.5                   | 0.0         |
| Channel           |            |         |           | 372000             | 373000                | 375000              | Tune-up limit          | MPR         |
| Frequency (MHz)   |            |         |           | 1712.5             | 1745                  | 1777.5              | (dBm)                  | (dB)        |
| 5                 | PV2 BPSK   | 1       | 1         | 18.48              | 18.53                 | 18.53               | 20.5                   | 0.0         |



FR1 n77\_Ant 2(SA)  
FCC Part 27O (3700-3980MHz)

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq.<br>850000 | Power<br>Middle<br>Ch. / Freq.<br>856000 | Power<br>High<br>Ch. / Freq.<br>862000 | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|---------------------------------------|------------------------------------------|----------------------------------------|------------------------|-------------|
| Channel         |            |         |           | 3750                                  | 3840                                     | 3930                                   |                        |             |
| Frequency (MHz) |            |         |           | 13.40                                 | 13.43                                    | 13.39                                  |                        |             |
| 100             | P1/2 BPSK  | 1       | 1         | 13.41                                 | 13.46                                    | 13.35                                  | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 1       | 137       | 13.39                                 | 13.41                                    | 13.42                                  |                        |             |
| 100             | P1/2 BPSK  | 1       | 271       | 13.38                                 | 13.42                                    | 13.39                                  | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 135     | 0         | 13.35                                 | 13.46                                    | 13.37                                  | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 135     | 138       | 13.43                                 | 13.37                                    | 13.33                                  | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 270     | 0         | 13.39                                 | 13.47                                    | 13.34                                  |                        |             |
| 100             | QPSK       | 1       | 1         | 13.51                                 | 13.53                                    | 13.49                                  |                        |             |
| 100             | QPSK       | 1       | 137       | 13.42                                 | 13.45                                    | 13.44                                  | 14.5                   | 0.0         |
| 100             | QPSK       | 1       | 271       | 13.40                                 | 13.43                                    | 13.33                                  |                        |             |
| 100             | QPSK       | 135     | 0         | 13.44                                 | 13.41                                    | 13.42                                  | 14.5                   | 0.0         |
| 100             | QPSK       | 135     | 89        | 13.50                                 | 13.51                                    | 13.47                                  | 14.5                   | 0.0         |
| 100             | QPSK       | 135     | 138       | 13.42                                 | 13.41                                    | 13.34                                  | 14.5                   | 0.0         |
| 100             | QPSK       | 270     | 0         | 13.46                                 | 13.48                                    | 13.45                                  |                        |             |
| 100             | 16QAM      | 1       | 1         | 13.43                                 | 13.45                                    | 13.39                                  | 14.5                   | 0.0         |
| 100             | 64QAM      | 1       | 1         | 13.35                                 | 13.47                                    | 13.39                                  | 14.5                   | 0.0         |
| 100             | 256QAM     | 1       | 1         | 13.44                                 | 13.46                                    | 13.41                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 849688                                | 856000                                   | 862332                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3745.92                               | 3840                                     | 3934.98                                | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 13.46                                 | 13.43                                    | 13.41                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 849334                                | 856000                                   | 862666                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3740.01                               | 3840                                     | 3939.99                                | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 13.46                                 | 13.40                                    | 13.43                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 849000                                | 856000                                   | 863000                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3735                                  | 3840                                     | 3945                                   | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 13.44                                 | 13.45                                    | 13.43                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 848688                                | 856000                                   | 863332                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3730.92                               | 3840                                     | 3949.98                                | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 13.37                                 | 13.44                                    | 13.41                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 848334                                | 856000                                   | 863666                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3729.01                               | 3840                                     | 3954.99                                | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 13.39                                 | 13.39                                    | 13.37                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 848000                                | 856000                                   | 864000                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3720                                  | 3840                                     | 3960                                   | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 13.46                                 | 13.39                                    | 13.39                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 847688                                | 856000                                   | 864332                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3715.92                               | 3840.00                                  | 3964.98                                | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 13.43                                 | 13.45                                    | 13.43                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 847334                                | 856000                                   | 864666                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3712.5                                | 3840.00                                  | 3967.50                                | (dBm)                  | (dB)        |
| 25              | QPSK       | 1       | 1         | 13.42                                 | 13.46                                    | 13.38                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 847000                                | 856000                                   | 865000                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3710.01                               | 3840                                     | 3969.99                                | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 13.46                                 | 13.38                                    | 13.39                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 846750                                | 856000                                   | 865332                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3707.52                               | 3840                                     | 3972.48                                | (dBm)                  | (dB)        |
| 15              | QPSK       | 1       | 1         | 13.43                                 | 13.44                                    | 13.43                                  | 14.5                   | 0.0         |
| Channel         |            |         |           | 846500                                | 856000                                   | 865666                                 | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3705                                  | 3840                                     | 3975                                   | (dBm)                  | (dB)        |
| 10              | QPSK       | 1       | 1         | 13.42                                 | 13.37                                    | 13.39                                  | 14.5                   | 0.0         |

FR1 n77\_Ant 2(SA)  
FCC Part 27Q (3450-3550MHz)

| 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         |            |         |           |                             | 3499.98                        |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 13.32                          |                              |                        |             |
| 100             | P1/2 BPSK  | 1       | 1         |                             | 13.42                          |                              | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 1       | 271       |                             | 13.34                          |                              | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 135     | 0         |                             | 13.36                          |                              | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 135     | 89        |                             | 13.32                          |                              | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 135     | 138       |                             | 13.35                          |                              | 14.5                   | 0.0         |
| 100             | P1/2 BPSK  | 270     | 0         |                             | 13.33                          |                              |                        |             |
| 100             | QPSK       | 1       | 1         |                             | 13.48                          |                              |                        |             |
| 100             | QPSK       | 1       | 137       |                             | 13.41                          |                              | 14.5                   | 0.0         |
| 100             | QPSK       | 1       | 271       |                             | 13.32                          |                              | 14.5                   | 0.0         |
| 100             | QPSK       | 135     | 0         |                             | 13.33                          |                              | 14.5                   | 0.0         |
| 100             | QPSK       | 135     | 89        |                             | 13.46                          |                              | 14.5                   | 0.0         |
| 100             | QPSK       | 135     | 138       |                             | 13.38                          |                              | 14.5                   | 0.0         |
| 100             | QPSK       | 270     | 0         |                             | 13.43                          |                              |                        |             |
| 100             | 16QAM      | 1       | 1         |                             | 13.38                          |                              | 14.5                   | 0.0         |
| 100             | 64QAM      | 1       | 1         |                             | 13.41                          |                              | 14.5                   | 0.0         |
| 100             | 256QAM     | 1       | 1         |                             | 13.37                          |                              | 14.5                   | 0.0         |
| Channel         |            |         |           | 833000                      | 833332                         | 833666                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3504.98                      | (dBm)                  | (dB)        |
| 90              | QPSK       | 1       | 1         | 13.35                       | 13.39                          | 13.30                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 832688                      | 833332                         | 834000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3490.92                     | 3499.98                        | 3510                         | (dBm)                  | (dB)        |
| 80              | QPSK       | 1       | 1         | 13.35                       | 13.38                          | 13.32                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 832334                      | 833332                         | 834332                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3485.91                     | 3499.98                        | 3514.98                      | (dBm)                  | (dB)        |
| 70              | QPSK       | 1       | 1         | 13.35                       | 13.35                          | 13.31                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 832000                      | 833332                         | 834666                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3519.99                      | (dBm)                  | (dB)        |
| 60              | QPSK       | 1       | 1         | 13.38                       | 13.37                          | 13.33                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 831688                      | 833332                         | 835000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3475.92                     | 3499.98                        | 3525                         | (dBm)                  | (dB)        |
| 50              | QPSK       | 1       | 1         | 13.37                       | 13.41                          | 13.32                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 831334                      | 833332                         | 835332                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3470.91                     | 3499.98                        | 3529.98                      | (dBm)                  | (dB)        |
| 40              | QPSK       | 1       | 1         | 13.31                       | 13.32                          | 13.37                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 831000                      | 833332                         | 835666                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3534.99                      | (dBm)                  | (dB)        |
| 30              | QPSK       | 1       | 1         | 13.42                       | 13.36                          | 13.32                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 830688                      | 833332                         | 836000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3462.91                     | 3499.98                        | 3537.48                      | (dBm)                  | (dB)        |
| 25              | QPSK       | 1       | 1         | 13.34                       | 13.33                          | 13.30                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 830334                      | 833332                         | 836332                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3460.92                     | 3499.98                        | 3540                         | (dBm)                  | (dB)        |
| 20              | QPSK       | 1       | 1         | 13.33                       | 13.40                          | 13.29                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 830000                      | 833332                         | 836666                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3457.5                      | 3499.98                        | 3542.49                      | (dBm)                  | (dB)        |
| 15              | QPSK       | 1       | 1         | 13.33                       | 13.34                          | 13.36                        | 14.5                   | 0.0         |
| Channel         |            |         |           | 829334                      | 833332                         | 837000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 3455.91                     | 3499.98                        | 3544.98                      | (dBm)                  | (dB)        |
| 10              | QPSK       | 1       | 1         | 13.31                       | 13.40                          | 13.39                        | 14.5                   | 0.0         |

| FR1 n77_Ant 2(SA)          |            |         |           |                           |                              |                            |                        |             |
|----------------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|------------------------|-------------|
| FCC Part 96 (3550-3700MHz) |            |         |           |                           |                              |                            |                        |             |
| 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                    |            |         |           | 640000                    | 641666                       | 643332                     |                        |             |
| Frequency (MHz)            |            |         |           | 3600                      | 3624.99                      | 3649.98                    |                        |             |
| 100                        | PV2 BPSK   | 1       | 1         | 13.32                     | 13.39                        | 13.35                      | 14.5                   | 0.0         |
| 100                        | PV2 BPSK   | 1       | 137       | 13.29                     | 13.34                        | 13.28                      |                        |             |
| 100                        | PV2 BPSK   | 1       | 271       | 13.33                     | 13.38                        | 13.35                      | 14.5                   | 0.0         |
| 100                        | PV2 BPSK   | 135     | 0         | 13.29                     | 13.30                        | 13.29                      |                        |             |
| 100                        | PV2 BPSK   | 135     | 69        | 13.33                     | 13.37                        | 13.28                      | 14.5                   | 0.0         |
| 100                        | PV2 BPSK   | 135     | 138       | 13.39                     | 13.38                        | 13.33                      |                        |             |
| 100                        | PV2 BPSK   | 270     | 0         | 13.34                     | 13.41                        | 13.35                      | 14.5                   | 0.0         |
| 100                        | QPSK       | 1       | 1         | 13.44                     | 13.46                        | 13.43                      |                        |             |
| 100                        | QPSK       | 1       | 137       | 13.31                     | 13.34                        | 13.38                      | 14.5                   | 0.0         |
| 100                        | QPSK       | 1       | 271       | 13.28                     | 13.30                        | 13.32                      |                        |             |
| 100                        | QPSK       | 135     | 0         | 13.34                     | 13.38                        | 13.28                      | 14.5                   | 0.0         |
| 100                        | QPSK       | 135     | 69        | 13.42                     | 13.45                        | 13.40                      |                        |             |
| 100                        | QPSK       | 135     | 138       | 13.33                     | 13.37                        | 13.35                      | 14.5                   | 0.0         |
| 100                        | QPSK       | 270     | 0         | 13.40                     | 13.42                        | 13.38                      |                        |             |
| 100                        | 16QAM      | 1       | 1         | 13.28                     | 13.30                        | 13.29                      | 14.5                   | 0.0         |
| 100                        | 64QAM      | 1       | 1         | 13.35                     | 13.33                        | 13.29                      |                        |             |
| 100                        | 256QAM     | 1       | 1         | 13.33                     | 13.32                        | 13.29                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 639666                    | 641666                       | 643666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3656.02                   | 3624.99                      | 3654.99                    | (dBm)                  | (dB)        |
| 90                         | QPSK       | 1       | 1         | 13.39                     | 13.30                        | 13.34                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 639334                    | 641666                       | 644000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3660.01                   | 3624.99                      | 3660                       | (dBm)                  | (dB)        |
| 80                         | QPSK       | 1       | 1         | 13.28                     | 13.32                        | 13.38                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 639000                    | 641666                       | 644332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3695                      | 3624.99                      | 3694.98                    | (dBm)                  | (dB)        |
| 70                         | QPSK       | 1       | 1         | 13.32                     | 13.30                        | 13.34                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 638666                    | 641666                       | 644666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3680.02                   | 3624.99                      | 3699.99                    | (dBm)                  | (dB)        |
| 60                         | QPSK       | 1       | 1         | 13.37                     | 13.41                        | 13.32                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 638334                    | 641666                       | 645000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3675.01                   | 3624.99                      | 3675                       | (dBm)                  | (dB)        |
| 50                         | QPSK       | 1       | 1         | 13.33                     | 13.39                        | 13.34                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 638000                    | 641666                       | 645332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3670                      | 3624.99                      | 3679.98                    | (dBm)                  | (dB)        |
| 40                         | QPSK       | 1       | 1         | 13.36                     | 13.34                        | 13.28                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 637666                    | 641666                       | 645666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3665.02                   | 3624.99                      | 3684.99                    | (dBm)                  | (dB)        |
| 30                         | QPSK       | 1       | 1         | 13.31                     | 13.37                        | 13.30                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 637334                    | 641666                       | 645999                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3662.5                    | 3624.99                      | 3687.48                    | (dBm)                  | (dB)        |
| 25                         | QPSK       | 1       | 1         | 13.28                     | 13.31                        | 13.27                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 637000                    | 641666                       | 646332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3660.01                   | 3624.99                      | 3690                       | (dBm)                  | (dB)        |
| 20                         | QPSK       | 1       | 1         | 13.37                     | 13.35                        | 13.28                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 636666                    | 641666                       | 646666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3657.52                   | 3624.99                      | 3692.49                    | (dBm)                  | (dB)        |
| 15                         | QPSK       | 1       | 1         | 13.32                     | 13.32                        | 13.33                      | 14.5                   | 0.0         |
| Channel                    |            |         |           | 636334                    | 641666                       | 647000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3655                      | 3624.99                      | 3694.98                    | (dBm)                  | (dB)        |
| 10                         | QPSK       | 1       | 1         | 13.39                     | 13.32                        | 13.29                      | 14.5                   | 0.0         |



Reduced Power for State 3

| FR1 n2_Ant 2(SA) |            |         |           |                             |                                |                              |                        |             |
|------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| 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          |            |         |           | 374000                      | 376000                         | 378000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 1890                        | 1890                           | 1890                         |                        |             |
| 40               | P12 BPSK   | 1       | 1         | 22.38                       | 22.48                          | 22.42                        | 23.5                   | 0.0         |
| 40               | P12 BPSK   | 1       | 108       | 22.43                       | 22.45                          | 22.40                        |                        |             |
| 40               | P12 BPSK   | 1       | 214       | 22.43                       | 22.44                          | 22.39                        | 23.5                   | 0.0         |
| 40               | P12 BPSK   | 108     | 0         | 22.41                       | 22.38                          | 22.33                        |                        |             |
| 40               | P12 BPSK   | 108     | 54        | 22.43                       | 22.42                          | 22.41                        | 23.5                   | 0.0         |
| 40               | P12 BPSK   | 108     | 108       | 22.37                       | 22.42                          | 22.40                        |                        |             |
| 40               | P12 BPSK   | 216     | 0         | 22.40                       | 22.38                          | 22.32                        | 23.5                   | 0.0         |
| 40               | QPSK       | 1       | 1         | 22.50                       | 22.52                          | 22.48                        |                        |             |
| 40               | QPSK       | 1       | 108       | 22.37                       | 22.45                          | 22.33                        | 23.5                   | 0.0         |
| 40               | QPSK       | 1       | 214       | 22.38                       | 22.39                          | 22.42                        |                        |             |
| 40               | QPSK       | 108     | 0         | 22.43                       | 22.39                          | 22.39                        | 23.5                   | 0.0         |
| 40               | QPSK       | 108     | 54        | 22.48                       | 22.50                          | 22.47                        |                        |             |
| 40               | QPSK       | 108     | 108       | 22.32                       | 22.34                          | 22.34                        | 23.5                   | 0.0         |
| 40               | QPSK       | 216     | 0         | 22.40                       | 22.42                          | 22.41                        |                        |             |
| 40               | 16QAM      | 1       | 1         | 22.35                       | 22.38                          | 22.37                        | 23.5                   | 0.0         |
| 40               | 64QAM      | 1       | 1         | 20.87                       | 20.93                          | 20.82                        |                        |             |
| 40               | 256QAM     | 1       | 1         | 19.20                       | 19.25                          | 19.15                        | 20.0                   | 3.5         |
| Channel          |            |         |           | 374000                      | 376000                         | 378000                       |                        |             |
| Frequency (MHz)  |            |         |           | 1867.5                      | 1890                           | 1892.5                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 35               | P12 BPSK   | 1       | 1         | 22.37                       | 22.42                          | 22.34                        | 23.5                   | 0.0         |
| Channel          |            |         |           | 374000                      | 376000                         | 378000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 1865                        | 1890                           | 1895                         | 23.5                   | 0.0         |
| 30               | P12 BPSK   | 1       | 1         | 22.36                       | 22.44                          | 22.34                        | 23.5                   | 0.0         |
| Channel          |            |         |           | 372500                      | 374000                         | 375500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 1862.5                      | 1890                           | 1897.5                       | 23.5                   | 0.0         |
| 25               | P12 BPSK   | 1       | 1         | 22.39                       | 22.39                          | 22.33                        | 23.5                   | 0.0         |
| Channel          |            |         |           | 372500                      | 374000                         | 375500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 1860                        | 1890                           | 1900                         | 23.5                   | 0.0         |
| 20               | P12 BPSK   | 1       | 1         | 22.43                       | 22.43                          | 22.34                        | 23.5                   | 0.0         |
| Channel          |            |         |           | 370500                      | 374000                         | 377500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 1857.5                      | 1890                           | 1902.5                       | 23.5                   | 0.0         |
| 15               | P12 BPSK   | 1       | 1         | 22.38                       | 22.41                          | 22.35                        | 23.5                   | 0.0         |
| Channel          |            |         |           | 370500                      | 374000                         | 377500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 1855                        | 1890                           | 1905                         | 23.5                   | 0.0         |
| 10               | P12 BPSK   | 1       | 1         | 22.34                       | 22.45                          | 22.40                        | 23.5                   | 0.0         |
| Channel          |            |         |           | 370500                      | 376000                         | 381500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 1852.5                      | 1890                           | 1907.5                       | 23.5                   | 0.0         |
| 5                | P12 BPSK   | 1       | 1         | 22.41                       | 22.44                          | 22.36                        | 23.5                   | 0.0         |

| FR1 n5_Ant 0(SA) |            |         |           |                             |                                |                              |                        |             |
|------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| 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          |            |         |           | 167300                      | 167300                         | 167300                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 836.5                       | 836.5                          | 836.5                        |                        |             |
| 25               | P12 BPSK   | 1       | 1         | 23.58                       | 23.55                          | 23.54                        | 24.5                   | 0.0         |
| 25               | P12 BPSK   | 1       | 32        | 23.60                       | 23.56                          | 23.55                        |                        |             |
| 25               | P12 BPSK   | 1       | 64        | 23.53                       | 23.62                          | 23.54                        | 24.0                   | 0.5         |
| 25               | P12 BPSK   | 64      | 0         | 23.07                       | 23.10                          | 23.07                        |                        |             |
| 25               | P12 BPSK   | 64      | 32        | 23.59                       | 23.60                          | 23.58                        | 24.0                   | 0.5         |
| 25               | P12 BPSK   | 64      | 64        | 23.07                       | 23.02                          | 23.01                        |                        |             |
| 25               | P12 BPSK   | 128     | 0         | 23.07                       | 23.12                          | 23.09                        | 24.5                   | 0.0         |
| 25               | QPSK       | 1       | 1         | 23.65                       | 23.68                          | 23.63                        |                        |             |
| 25               | QPSK       | 1       | 32        | 23.57                       | 23.59                          | 23.48                        | 23.5                   | 1.0         |
| 25               | QPSK       | 1       | 64        | 23.58                       | 23.52                          | 23.51                        |                        |             |
| 25               | QPSK       | 64      | 0         | 22.60                       | 22.63                          | 22.55                        | 23.5                   | 1.0         |
| 25               | QPSK       | 64      | 32        | 23.58                       | 23.61                          | 23.51                        |                        |             |
| 25               | QPSK       | 64      | 64        | 22.52                       | 22.57                          | 22.53                        | 23.5                   | 1.0         |
| 25               | QPSK       | 128     | 0         | 22.51                       | 22.62                          | 22.53                        |                        |             |
| 25               | 16QAM      | 1       | 1         | 22.28                       | 22.30                          | 22.25                        | 23.5                   | 1.0         |
| 25               | 64QAM      | 1       | 1         | 20.74                       | 20.76                          | 20.72                        |                        |             |
| 25               | 256QAM     | 1       | 1         | 19.43                       | 19.45                          | 19.42                        | 22.0                   | 2.5         |
| Channel          |            |         |           | 168500                      | 168500                         | 168500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 834                         | 836.5                          | 839                          | 23.5                   | 0.0         |
| 20               | P12 BPSK   | 1       | 1         | 23.58                       | 23.58                          | 23.53                        | 24.5                   | 0.0         |
| Channel          |            |         |           | 168500                      | 168500                         | 168500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 831.5                       | 836.5                          | 841.5                        | 24.5                   | 0.0         |
| 15               | P12 BPSK   | 1       | 1         | 23.55                       | 23.62                          | 23.52                        | 24.5                   | 0.0         |
| Channel          |            |         |           | 168500                      | 168500                         | 168500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 829                         | 836.5                          | 844                          | 24.5                   | 0.0         |
| 10               | P12 BPSK   | 1       | 1         | 23.56                       | 23.59                          | 23.50                        | 24.5                   | 0.0         |
| Channel          |            |         |           | 168500                      | 168500                         | 168500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 826.5                       | 836.5                          | 846.5                        | 24.5                   | 0.0         |
| 5                | P12 BPSK   | 1       | 1         | 23.54                       | 23.58                          | 23.56                        | 24.5                   | 0.0         |

| FR1 n66_Ant 2(SA) |            |         |           |                    |                       |                     |                        |             |
|-------------------|------------|---------|-----------|--------------------|-----------------------|---------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power              | Power                 | Power               | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                   |            |         |           | Low<br>Ch. / Freq. | Middle<br>Ch. / Freq. | High<br>Ch. / Freq. |                        |             |
| Channel           |            |         |           | 346500             | 349000                | 351500              |                        |             |
| Frequency (MHz)   |            |         |           | 1732.5             | 1745                  | 1757.5              |                        |             |
| 45                | PV2 BPSK   | 1       | 1         | 22.10              | 22.00                 | 22.08               | 23.0                   | 0.0         |
| 45                | PV2 BPSK   | 1       | 120       | 22.04              | 22.07                 | 22.07               |                        |             |
| 45                | PV2 BPSK   | 1       | 240       | 22.02              | 22.09                 | 22.09               |                        |             |
| 45                | PV2 BPSK   | 120     | 0         | 21.99              | 22.00                 | 22.06               | 23.0                   | 0.0         |
| 45                | PV2 BPSK   | 120     | 80        | 22.04              | 22.08                 | 22.00               | 23.0                   | 0.0         |
| 45                | PV2 BPSK   | 120     | 120       | 22.03              | 22.09                 | 22.05               | 23.0                   | 0.0         |
| 45                | PV2 BPSK   | 240     | 0         | 22.05              | 22.03                 | 22.03               |                        |             |
| 45                | QPSK       | 1       | 1         | 22.15              | 22.16                 | 22.13               |                        |             |
| 45                | QPSK       | 1       | 120       | 22.01              | 22.01                 | 21.97               | 23.0                   | 0.0         |
| 45                | QPSK       | 1       | 240       | 22.09              | 22.02                 | 22.05               |                        |             |
| 45                | QPSK       | 120     | 0         | 22.07              | 22.11                 | 22.07               |                        |             |
| 45                | QPSK       | 120     | 80        | 22.13              | 22.15                 | 22.11               | 23.0                   | 0.0         |
| 45                | QPSK       | 120     | 120       | 22.03              | 22.01                 | 21.99               | 23.0                   | 0.0         |
| 45                | QPSK       | 240     | 0         | 22.11              | 22.13                 | 22.10               | 23.0                   | 0.0         |
| 45                | 16QAM      | 1       | 1         | 22.04              | 22.04                 | 22.02               | 23.0                   | 0.0         |
| 45                | 64QAM      | 1       | 1         | 21.01              | 21.03                 | 21.00               | 22.0                   | 1.0         |
| 45                | 256QAM     | 1       | 1         | 18.98              | 18.05                 | 18.99               | 20.0                   | 3.0         |
| Channel           |            |         |           | 349000             | 349000                | 352000              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1730               | 1745                  | 1760                |                        |             |
| 40                | PV2 BPSK   | 1       | 1         | 22.03              | 22.11                 | 22.06               | 23.0                   | 0.0         |
| Channel           |            |         |           | 349000             | 349000                | 352000              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1727.5             | 1745                  | 1762.5              |                        |             |
| 35                | PV2 BPSK   | 1       | 1         | 22.01              | 22.02                 | 21.97               | 23.0                   | 0.0         |
| Channel           |            |         |           | 349000             | 349000                | 353000              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1725               | 1745                  | 1765                |                        |             |
| 30                | PV2 BPSK   | 1       | 1         | 21.99              | 22.02                 | 22.07               | 23.0                   | 0.0         |
| Channel           |            |         |           | 349000             | 349000                | 353000              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1722.5             | 1745                  | 1767.5              |                        |             |
| 25                | PV2 BPSK   | 1       | 1         | 22.03              | 22.02                 | 22.00               | 23.0                   | 0.0         |
| Channel           |            |         |           | 349000             | 349000                | 354000              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1720               | 1745                  | 1770                |                        |             |
| 20                | PV2 BPSK   | 1       | 1         | 22.05              | 22.09                 | 22.08               | 23.0                   | 0.0         |
| Channel           |            |         |           | 349000             | 349000                | 354000              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1717.5             | 1745                  | 1772.5              |                        |             |
| 15                | PV2 BPSK   | 1       | 1         | 22.08              | 22.02                 | 22.00               | 23.0                   | 0.0         |
| Channel           |            |         |           | 349000             | 349000                | 355000              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1715               | 1745                  | 1775                |                        |             |
| 10                | PV2 BPSK   | 1       | 1         | 22.04              | 22.11                 | 22.01               | 23.0                   | 0.0         |
| Channel           |            |         |           | 349000             | 349000                | 355000              | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1712.5             | 1745                  | 1777.5              |                        |             |
| 5                 | PV2 BPSK   | 1       | 1         | 22.04              | 22.07                 | 22.05               | 23.0                   | 0.0         |



| FR1 n77_Ant 2(SA)<br>FCC Part 27O (3700-3980MHz) |            |         |           |                                     |                                        |                                      |                        |             |  |
|--------------------------------------------------|------------|---------|-----------|-------------------------------------|----------------------------------------|--------------------------------------|------------------------|-------------|--|
| BW [MHz]                                         | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch / Freq<br>850000 | Power<br>Middle<br>Ch / Freq<br>856000 | Power<br>High<br>Ch / Freq<br>862000 | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 100                                              | P1/2 BPSK  | 1       | 1         | 19.35                               | 19.39                                  | 19.36                                | 20.5                   | 0.0         |  |
| 100                                              | P1/2 BPSK  | 1       | 137       | 19.39                               | 19.43                                  | 19.35                                |                        |             |  |
| 100                                              | P1/2 BPSK  | 1       | 271       | 19.36                               | 19.47                                  | 19.43                                |                        |             |  |
| 100                                              | P1/2 BPSK  | 135     | 0         | 19.39                               | 19.46                                  | 19.32                                | 20.5                   | 0.0         |  |
| 100                                              | P1/2 BPSK  | 135     | 69        | 19.35                               | 19.37                                  | 19.38                                | 20.5                   | 0.0         |  |
| 100                                              | P1/2 BPSK  | 135     | 138       | 19.42                               | 19.36                                  | 19.36                                | 20.5                   | 0.0         |  |
| 100                                              | P1/2 BPSK  | 270     | 0         | 19.45                               | 19.37                                  | 19.39                                | 20.5                   | 0.0         |  |
| 100                                              | QPSK       | 1       | 1         | 19.50                               | 19.53                                  | 19.48                                |                        |             |  |
| 100                                              | QPSK       | 1       | 137       | 19.34                               | 19.45                                  | 19.34                                |                        |             |  |
| 100                                              | QPSK       | 1       | 271       | 19.40                               | 19.41                                  | 19.41                                | 20.5                   | 0.0         |  |
| 100                                              | QPSK       | 135     | 0         | 19.32                               | 19.38                                  | 19.34                                |                        |             |  |
| 100                                              | QPSK       | 135     | 69        | 19.48                               | 19.50                                  | 19.47                                |                        |             |  |
| 100                                              | QPSK       | 135     | 138       | 19.38                               | 19.36                                  | 19.32                                | 20.5                   | 0.0         |  |
| 100                                              | QPSK       | 270     | 0         | 19.39                               | 19.43                                  | 19.31                                | 20.5                   | 0.0         |  |
| 100                                              | 16QAM      | 1       | 1         | 19.39                               | 19.42                                  | 19.41                                | 20.5                   | 0.0         |  |
| 100                                              | 64QAM      | 1       | 1         | 19.40                               | 19.41                                  | 19.39                                | 20.5                   | 0.0         |  |
| 100                                              | 256QAM     | 1       | 1         | 19.85                               | 19.89                                  | 18.75                                | 20.0                   | 0.5         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 90                                               | QPSK       | 1       | 1         | 19.35                               | 19.41                                  | 19.35                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 80                                               | QPSK       | 1       | 1         | 19.35                               | 19.36                                  | 19.40                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 70                                               | QPSK       | 1       | 1         | 19.40                               | 19.41                                  | 19.40                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 60                                               | QPSK       | 1       | 1         | 19.36                               | 19.34                                  | 19.34                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 50                                               | QPSK       | 1       | 1         | 19.40                               | 19.42                                  | 19.38                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 40                                               | QPSK       | 1       | 1         | 19.40                               | 19.34                                  | 19.40                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 30                                               | QPSK       | 1       | 1         | 19.33                               | 19.36                                  | 19.37                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 25                                               | QPSK       | 1       | 1         | 19.39                               | 19.35                                  | 19.32                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 20                                               | QPSK       | 1       | 1         | 19.39                               | 19.35                                  | 19.32                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 15                                               | QPSK       | 1       | 1         | 19.35                               | 19.36                                  | 19.36                                | 20.5                   | 0.0         |  |
| Channel                                          |            |         |           |                                     |                                        |                                      |                        |             |  |
| Frequency (MHz)                                  |            |         |           |                                     |                                        |                                      |                        |             |  |
| 10                                               | QPSK       | 1       | 1         | 19.41                               | 19.42                                  | 19.41                                | 20.5                   | 0.0         |  |

| FR1 n77_Ant 2(SA)<br>FCC Part 27Q (3450-3550MHz) |            |         |           |                             |                                          |                              |                        |             |  |  |  |
|--------------------------------------------------|------------|---------|-----------|-----------------------------|------------------------------------------|------------------------------|------------------------|-------------|--|--|--|
| BW [MHz]                                         | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq.<br>633332 | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 1         |                             | 19.41                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 137       |                             | 19.33                                    |                              |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 271       |                             | 19.36                                    |                              |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 0         |                             | 19.41                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 69        |                             | 19.34                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 138       |                             | 19.40                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 270     | 0         |                             | 19.33                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 1       | 1         |                             | 19.08                                    |                              |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 137       |                             | 19.32                                    |                              |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 271       |                             | 19.32                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 135     | 0         |                             | 19.43                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 135     | 69        |                             | 19.46                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 135     | 138       |                             | 19.40                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 270     | 0         |                             | 19.38                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | 16QAM      | 1       | 1         |                             | 19.41                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | 64QAM      | 1       | 1         |                             | 19.42                                    |                              | 20.5                   | 0.0         |  |  |  |
| 100                                              | 256QAM     | 1       | 1         |                             | 18.62                                    |                              | 20.0                   | 0.5         |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 90                                               | QPSK       | 1       | 1         | 633000                      | 3459.98                                  | 3504.99                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 90                                               | QPSK       | 1       | 1         | 633000                      | 3459.98                                  | 3510                         | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 80                                               | QPSK       | 1       | 1         | 632932                      | 3459.98                                  | 3510                         | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 70                                               | QPSK       | 1       | 1         | 632864                      | 3459.98                                  | 3510                         | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 70                                               | QPSK       | 1       | 1         | 632864                      | 3459.98                                  | 3514.68                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 60                                               | QPSK       | 1       | 1         | 632800                      | 3459.98                                  | 3514.68                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 60                                               | QPSK       | 1       | 1         | 632800                      | 3459.98                                  | 3519.69                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 50                                               | QPSK       | 1       | 1         | 632736                      | 3459.98                                  | 3519.69                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 50                                               | QPSK       | 1       | 1         | 632736                      | 3459.98                                  | 3525                         | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 40                                               | QPSK       | 1       | 1         | 632672                      | 3459.98                                  | 3525                         | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 40                                               | QPSK       | 1       | 1         | 632672                      | 3459.98                                  | 3530.32                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 40                                               | QPSK       | 1       | 1         | 632672                      | 3459.98                                  | 3535.88                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 30                                               | QPSK       | 1       | 1         | 632608                      | 3459.98                                  | 3535.88                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 30                                               | QPSK       | 1       | 1         | 632608                      | 3459.98                                  | 3541.49                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 25                                               | QPSK       | 1       | 1         | 632544                      | 3459.98                                  | 3541.49                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 25                                               | QPSK       | 1       | 1         | 632544                      | 3459.98                                  | 3547.48                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 20                                               | QPSK       | 1       | 1         | 632480                      | 3459.98                                  | 3547.48                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 20                                               | QPSK       | 1       | 1         | 632480                      | 3459.98                                  | 3552.99                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 15                                               | QPSK       | 1       | 1         | 632416                      | 3459.98                                  | 3552.99                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 15                                               | QPSK       | 1       | 1         | 632416                      | 3459.98                                  | 3558.49                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                          |                              |                        |             |  |  |  |
| 10                                               | QPSK       | 1       | 1         | 632352                      | 3459.98                                  | 3558.49                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |

| FR1 n77_Ant 2(SA)          |            |         |           |                           |                              |                            |                        |             |
|----------------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|------------------------|-------------|
| FCC Part 96 (3550-3700MHz) |            |         |           |                           |                              |                            |                        |             |
| 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                    |            |         |           | 640000                    | 641666                       | 643332                     | 20.5                   | 0.0         |
| Frequency (MHz)            |            |         |           | 3500                      | 3624.99                      | 3649.98                    |                        |             |
| 100                        | PV2 BPSK   | 1       | 1         | 19.34                     | 19.30                        | 19.29                      |                        |             |
| 100                        | PV2 BPSK   | 1       | 137       | 19.29                     | 19.31                        | 19.28                      |                        |             |
| 100                        | PV2 BPSK   | 1       | 271       | 19.27                     | 19.35                        | 19.37                      | 20.5                   | 0.0         |
| 100                        | PV2 BPSK   | 135     | 0         | 19.35                     | 19.32                        | 19.35                      |                        |             |
| 100                        | PV2 BPSK   | 135     | 69        | 19.30                     | 19.33                        | 19.37                      |                        |             |
| 100                        | PV2 BPSK   | 135     | 138       | 19.34                     | 19.30                        | 19.27                      |                        |             |
| 100                        | PV2 BPSK   | 270     | 0         | 19.38                     | 19.32                        | 19.31                      | 20.5                   | 0.0         |
| 100                        | QPSK       | 1       | 1         | 19.43                     | 19.27                        | 19.42                      |                        |             |
| 100                        | QPSK       | 1       | 137       | 19.30                     | 19.39                        | 19.38                      |                        |             |
| 100                        | QPSK       | 1       | 271       | 19.31                     | 19.30                        | 19.33                      |                        |             |
| 100                        | QPSK       | 135     | 0         | 19.36                     | 19.34                        | 19.32                      | 20.5                   | 0.0         |
| 100                        | QPSK       | 135     | 69        | 19.41                     | 19.43                        | 19.40                      |                        |             |
| 100                        | QPSK       | 135     | 138       | 19.25                     | 19.26                        | 19.34                      |                        |             |
| 100                        | QPSK       | 270     | 0         | 19.31                     | 19.38                        | 19.30                      |                        |             |
| 100                        | 16QAM      | 1       | 1         | 19.35                     | 19.37                        | 19.24                      | 20.5                   | 0.0         |
| 100                        | 64QAM      | 1       | 1         | 19.30                     | 19.38                        | 19.33                      |                        |             |
| 100                        | 256QAM     | 1       | 1         | 19.70                     | 19.80                        | 19.87                      |                        |             |
| Channel                    |            |         |           | 639666                    | 641666                       | 643666                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3595.02                   | 3624.99                      | 3654.99                    |                        |             |
| 90                         | QPSK       | 1       | 1         | 19.29                     | 19.32                        | 19.30                      |                        |             |
| Channel                    |            |         |           | 639334                    | 641666                       | 644000                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3590.01                   | 3624.99                      | 3650                       |                        |             |
| 80                         | QPSK       | 1       | 1         | 19.36                     | 19.33                        | 19.32                      |                        |             |
| Channel                    |            |         |           | 639000                    | 641666                       | 644332                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3585                      | 3624.99                      | 3654.98                    |                        |             |
| 70                         | QPSK       | 1       | 1         | 19.36                     | 19.37                        | 19.25                      |                        |             |
| Channel                    |            |         |           | 638666                    | 641666                       | 645000                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3580.02                   | 3624.99                      | 3659.99                    |                        |             |
| 60                         | QPSK       | 1       | 1         | 19.31                     | 19.35                        | 19.24                      |                        |             |
| Channel                    |            |         |           | 638334                    | 641666                       | 645666                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3575.01                   | 3624.99                      | 3675                       |                        |             |
| 50                         | QPSK       | 1       | 1         | 19.30                     | 19.32                        | 19.35                      |                        |             |
| Channel                    |            |         |           | 638000                    | 641666                       | 646332                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3570                      | 3624.99                      | 3679.98                    |                        |             |
| 40                         | QPSK       | 1       | 1         | 19.32                     | 19.28                        | 19.24                      |                        |             |
| Channel                    |            |         |           | 637666                    | 641666                       | 647000                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3565.02                   | 3624.99                      | 3684.99                    |                        |             |
| 30                         | QPSK       | 1       | 1         | 19.34                     | 19.31                        | 19.31                      |                        |             |
| Channel                    |            |         |           | 637332                    | 641666                       | 647666                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3562.5                    | 3624.99                      | 3687.48                    |                        |             |
| 25                         | QPSK       | 1       | 1         | 19.33                     | 19.27                        | 19.30                      |                        |             |
| Channel                    |            |         |           | 637000                    | 641666                       | 648332                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3560.01                   | 3624.99                      | 3690                       |                        |             |
| 20                         | QPSK       | 1       | 1         | 19.28                     | 19.34                        | 19.25                      |                        |             |
| Channel                    |            |         |           | 636666                    | 641666                       | 649000                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3557.52                   | 3624.99                      | 3692.49                    |                        |             |
| 15                         | QPSK       | 1       | 1         | 19.26                     | 19.33                        | 19.24                      |                        |             |
| Channel                    |            |         |           | 636332                    | 641666                       | 649666                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)            |            |         |           | 3555                      | 3624.99                      | 3694.98                    |                        |             |
| 10                         | QPSK       | 1       | 1         | 19.26                     | 19.27                        | 19.31                      |                        |             |



Reduced Power for State 4

FR1 n2\_Ant 2(SA)

| FR1 n2_Ant 2(SA) |            |         |           |                             |                                |                              |                        |             |
|------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| 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          |            |         |           | 374000                      | 376000                         | 378000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 1880                        | 1880                           | 1880                         |                        |             |
| 40               | P12 BPSK   | 1       | 1         | 20.40                       | 20.48                          | 20.44                        | 21.5                   | 0.0         |
| 40               | P12 BPSK   | 1       | 108       | 20.42                       | 20.45                          | 20.40                        |                        |             |
| 40               | P12 BPSK   | 1       | 214       | 20.40                       | 20.43                          | 20.38                        | 21.5                   | 0.0         |
| 40               | P12 BPSK   | 108     | 0         | 20.42                       | 20.43                          | 20.40                        |                        |             |
| 40               | P12 BPSK   | 108     | 54        | 20.41                       | 20.45                          | 20.38                        | 21.5                   | 0.0         |
| 40               | P12 BPSK   | 108     | 108       | 20.38                       | 20.43                          | 20.40                        |                        |             |
| 40               | P12 BPSK   | 216     | 0         | 20.41                       | 20.48                          | 20.39                        | 21.5                   | 0.0         |
| 40               | P12 BPSK   | 216     | 0         | 20.41                       | 20.48                          | 20.39                        |                        |             |
| 40               | QPSK       | 1       | 1         | 20.51                       | 20.53                          | 20.50                        | 21.5                   | 0.0         |
| 40               | QPSK       | 1       | 108       | 20.40                       | 20.47                          | 20.34                        |                        |             |
| 40               | QPSK       | 1       | 214       | 20.48                       | 20.42                          | 20.38                        | 21.5                   | 0.0         |
| 40               | QPSK       | 108     | 0         | 20.38                       | 20.40                          | 20.44                        |                        |             |
| 40               | QPSK       | 108     | 54        | 20.45                       | 20.45                          | 20.45                        | 21.5                   | 0.0         |
| 40               | QPSK       | 108     | 108       | 20.38                       | 20.38                          | 20.37                        |                        |             |
| 40               | QPSK       | 216     | 0         | 20.43                       | 20.44                          | 20.40                        | 21.5                   | 0.0         |
| 40               | 16QAM      | 1       | 1         | 20.48                       | 20.48                          | 20.42                        |                        |             |
| 40               | 64QAM      | 1       | 1         | 20.42                       | 20.41                          | 20.40                        | 21.5                   | 0.0         |
| 40               | 256QAM     | 1       | 1         | 19.20                       | 19.25                          | 19.15                        |                        |             |
| Channel          |            |         |           | 372000                      | 374000                         | 376000                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 1867.5                      | 1880                           | 1892.5                       | (dBm)                  | (dB)        |
| 35               | P12 BPSK   | 1       | 1         | 20.42                       | 20.45                          | 20.41                        | 21.5                   | 0.0         |
| Channel          |            |         |           | 372000                      | 374000                         | 376000                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 1865                        | 1880                           | 1895                         | (dBm)                  | (dB)        |
| 30               | P12 BPSK   | 1       | 1         | 20.44                       | 20.47                          | 20.41                        | 21.5                   | 0.0         |
| Channel          |            |         |           | 372000                      | 374000                         | 376000                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 1862.5                      | 1880                           | 1897.5                       | (dBm)                  | (dB)        |
| 25               | P12 BPSK   | 1       | 1         | 20.36                       | 20.39                          | 20.38                        | 21.5                   | 0.0         |
| Channel          |            |         |           | 372000                      | 374000                         | 376000                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 1860                        | 1880                           | 1900                         | (dBm)                  | (dB)        |
| 20               | P12 BPSK   | 1       | 1         | 20.43                       | 20.48                          | 20.37                        | 21.5                   | 0.0         |
| Channel          |            |         |           | 371500                      | 374000                         | 376500                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 1857.5                      | 1880                           | 1902.5                       | (dBm)                  | (dB)        |
| 15               | P12 BPSK   | 1       | 1         | 20.36                       | 20.42                          | 20.35                        | 21.5                   | 0.0         |
| Channel          |            |         |           | 371000                      | 376000                         | 381000                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 1855                        | 1880                           | 1905                         | (dBm)                  | (dB)        |
| 10               | P12 BPSK   | 1       | 1         | 20.37                       | 20.39                          | 20.35                        | 21.5                   | 0.0         |
| Channel          |            |         |           | 370500                      | 376000                         | 381500                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 1852.5                      | 1880                           | 1907.5                       | (dBm)                  | (dB)        |
| 5                | P12 BPSK   | 1       | 1         | 20.41                       | 20.39                          | 20.43                        | 21.5                   | 0.0         |

FR1 n5\_Ant 0(SA)

| FR1 n5_Ant 0(SA) |            |         |           |                             |                                |                              |                        |             |
|------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| 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          |            |         |           | 167300                      | 167300                         | 167300                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)  |            |         |           | 836.5                       | 836.5                          | 836.5                        |                        |             |
| 25               | P12 BPSK   | 1       | 1         | 23.58                       | 23.55                          | 23.54                        | 24.5                   | 0.0         |
| 25               | P12 BPSK   | 1       | 32        | 23.60                       | 23.56                          | 23.55                        |                        |             |
| 25               | P12 BPSK   | 1       | 64        | 23.53                       | 23.62                          | 23.54                        | 24.0                   | 0.5         |
| 25               | P12 BPSK   | 64      | 0         | 23.07                       | 23.10                          | 23.07                        |                        |             |
| 25               | P12 BPSK   | 64      | 32        | 23.59                       | 23.60                          | 23.58                        | 24.0                   | 0.5         |
| 25               | P12 BPSK   | 64      | 64        | 23.07                       | 23.02                          | 23.01                        |                        |             |
| 25               | P12 BPSK   | 128     | 0         | 23.01                       | 23.12                          | 23.09                        | 24.5                   | 0.0         |
| 25               | QPSK       | 1       | 1         | 23.65                       | 23.68                          | 23.63                        |                        |             |
| 25               | QPSK       | 1       | 32        | 23.57                       | 23.59                          | 23.49                        | 23.5                   | 1.0         |
| 25               | QPSK       | 1       | 64        | 23.58                       | 23.52                          | 23.51                        |                        |             |
| 25               | QPSK       | 64      | 0         | 22.60                       | 22.63                          | 22.55                        | 23.5                   | 1.0         |
| 25               | QPSK       | 64      | 32        | 23.58                       | 23.61                          | 23.51                        |                        |             |
| 25               | QPSK       | 64      | 64        | 22.52                       | 22.57                          | 22.53                        | 23.5                   | 1.0         |
| 25               | QPSK       | 128     | 0         | 22.51                       | 22.62                          | 22.53                        |                        |             |
| 25               | 16QAM      | 1       | 1         | 22.28                       | 22.30                          | 22.25                        | 22.0                   | 2.5         |
| 25               | 64QAM      | 1       | 1         | 20.74                       | 20.76                          | 20.72                        |                        |             |
| 25               | 256QAM     | 1       | 1         | 19.43                       | 19.45                          | 19.42                        | 22.0                   | 4.5         |
| Channel          |            |         |           | 166500                      | 167000                         | 167500                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 834                         | 836.5                          | 839                          | (dBm)                  | (dB)        |
| 20               | P12 BPSK   | 1       | 1         | 23.58                       | 23.58                          | 23.53                        | 24.5                   | 0.0         |
| Channel          |            |         |           | 166500                      | 167000                         | 167500                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 831.5                       | 836.5                          | 841.5                        | (dBm)                  | (dB)        |
| 15               | P12 BPSK   | 1       | 1         | 23.55                       | 23.62                          | 23.52                        | 24.5                   | 0.0         |
| Channel          |            |         |           | 166500                      | 167000                         | 167500                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 829                         | 836.5                          | 844                          | (dBm)                  | (dB)        |
| 10               | P12 BPSK   | 1       | 1         | 23.56                       | 23.59                          | 23.50                        | 24.5                   | 0.0         |
| Channel          |            |         |           | 166500                      | 167000                         | 167500                       | Tune-up limit          | MPR         |
| Frequency (MHz)  |            |         |           | 826.5                       | 836.5                          | 846.5                        | (dBm)                  | (dB)        |
| 5                | P12 BPSK   | 1       | 1         | 23.54                       | 23.58                          | 23.56                        | 24.5                   | 0.0         |

| FR1 n66_Ant 2(SA) |            |         |           |                          |                          |                           |                        |             |
|-------------------|------------|---------|-----------|--------------------------|--------------------------|---------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Mid<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 346500                   | 349000                   | 351500                    |                        |             |
| Frequency (MHz)   |            |         |           | 1732.5                   | 1745                     | 1757.5                    |                        |             |
| 45                | PV2 BPSK   | 1       | 1         | 20.54                    | 20.51                    | 20.51                     | 21.5                   | 0.0         |
| 45                | PV2 BPSK   | 1       | 120       | 20.58                    | 20.58                    | 20.49                     |                        |             |
| 45                | PV2 BPSK   | 1       | 240       | 20.50                    | 20.56                    | 20.53                     |                        |             |
| 45                | PV2 BPSK   | 120     | 0         | 20.51                    | 20.57                    | 20.56                     | 21.5                   | 0.0         |
| 45                | PV2 BPSK   | 120     | 80        | 20.47                    | 20.57                    | 20.51                     | 21.5                   | 0.0         |
| 45                | PV2 BPSK   | 120     | 120       | 20.56                    | 20.50                    | 20.56                     | 21.5                   | 0.0         |
| 45                | PV2 BPSK   | 240     | 0         | 20.47                    | 20.58                    | 20.51                     | 21.5                   | 0.0         |
| 45                | QPSK       | 1       | 1         | 20.63                    | 20.66                    | 20.62                     | 21.5                   | 0.0         |
| 45                | QPSK       | 1       | 120       | 20.50                    | 20.60                    | 20.48                     | 21.5                   | 0.0         |
| 45                | QPSK       | 1       | 240       | 20.50                    | 20.57                    | 20.46                     | 21.5                   | 0.0         |
| 45                | QPSK       | 120     | 0         | 20.50                    | 20.58                    | 20.47                     | 21.5                   | 0.0         |
| 45                | QPSK       | 120     | 80        | 20.60                    | 20.63                    | 20.58                     | 21.5                   | 0.0         |
| 45                | QPSK       | 120     | 120       | 20.44                    | 20.55                    | 20.43                     | 21.5                   | 0.0         |
| 45                | QPSK       | 240     | 0         | 20.54                    | 20.55                    | 20.45                     | 21.5                   | 0.0         |
| 45                | 16QAM      | 1       | 1         | 20.52                    | 20.50                    | 20.47                     | 21.5                   | 0.0         |
| 45                | 64QAM      | 1       | 1         | 20.50                    | 20.51                    | 20.47                     | 21.5                   | 0.0         |
| 45                | 256QAM     | 1       | 1         | 18.98                    | 18.05                    | 18.99                     | 20.0                   | 1.5         |
| Channel           |            |         |           | 349000                   | 350000                   | 352000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1730                     | 1745                     | 1760                      |                        |             |
| 40                | PV2 BPSK   | 1       | 1         | 20.44                    | 20.47                    | 20.53                     | 21.5                   | 0.0         |
| Channel           |            |         |           | 352000                   | 353000                   | 355000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1727.5                   | 1745                     | 1762.5                    |                        |             |
| 35                | PV2 BPSK   | 1       | 1         | 20.49                    | 20.55                    | 20.50                     | 21.5                   | 0.0         |
| Channel           |            |         |           | 355000                   | 356000                   | 358000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1725                     | 1745                     | 1765                      |                        |             |
| 30                | PV2 BPSK   | 1       | 1         | 20.50                    | 20.52                    | 20.42                     | 21.5                   | 0.0         |
| Channel           |            |         |           | 358000                   | 359000                   | 361000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1722.5                   | 1745                     | 1767.5                    |                        |             |
| 25                | PV2 BPSK   | 1       | 1         | 20.51                    | 20.54                    | 20.42                     | 21.5                   | 0.0         |
| Channel           |            |         |           | 361000                   | 362000                   | 364000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1720                     | 1745                     | 1770                      |                        |             |
| 20                | PV2 BPSK   | 1       | 1         | 20.48                    | 20.47                    | 20.43                     | 21.5                   | 0.0         |
| Channel           |            |         |           | 365000                   | 366000                   | 368000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1717.5                   | 1745                     | 1772.5                    |                        |             |
| 15                | PV2 BPSK   | 1       | 1         | 20.55                    | 20.52                    | 20.45                     | 21.5                   | 0.0         |
| Channel           |            |         |           | 368000                   | 369000                   | 370000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1715                     | 1745                     | 1775                      |                        |             |
| 10                | PV2 BPSK   | 1       | 1         | 20.44                    | 20.55                    | 20.47                     | 21.5                   | 0.0         |
| Channel           |            |         |           | 372000                   | 369000                   | 365000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 1712.5                   | 1745                     | 1777.5                    |                        |             |
| 5                 | PV2 BPSK   | 1       | 1         | 20.51                    | 20.53                    | 20.53                     | 21.5                   | 0.0         |



| FR1 n77_Ant 2(SA)<br>FCC Part 27O (3700-3980MHz) |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
|--------------------------------------------------|------------|---------|-----------|---------------------------------------|------------------------------------------|----------------------------------------|------------------------|-------------|--|--|--|
| BW [MHz]                                         | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq.<br>650000 | Power<br>Middle<br>Ch. / Freq.<br>655000 | Power<br>High<br>Ch. / Freq.<br>662000 | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 1         | 17.90                                 | 17.89                                    | 17.93                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 137       | 17.98                                 | 17.92                                    | 17.93                                  |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 271       | 17.93                                 | 17.91                                    | 17.90                                  |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 0         | 17.98                                 | 17.97                                    | 17.97                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 69        | 17.89                                 | 17.95                                    | 17.95                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 138       | 17.94                                 | 17.90                                    | 17.90                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 270     | 0         | 17.87                                 | 17.94                                    | 17.95                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 1       | 1         | 18.03                                 | 18.05                                    | 18.02                                  |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 137       | 17.88                                 | 17.86                                    | 17.97                                  |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 271       | 17.98                                 | 17.96                                    | 17.95                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 135     | 0         | 17.94                                 | 17.91                                    | 17.88                                  |                        |             |  |  |  |
| 100                                              | QPSK       | 135     | 69        | 18.01                                 | 18.03                                    | 18.00                                  |                        |             |  |  |  |
| 100                                              | QPSK       | 135     | 138       | 17.92                                 | 17.89                                    | 17.93                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 270     | 0         | 17.92                                 | 17.93                                    | 17.89                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | 16QAM      | 1       | 1         | 17.94                                 | 17.93                                    | 17.92                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | 64QAM      | 1       | 1         | 17.90                                 | 17.94                                    | 17.89                                  | 19.0                   | 0.0         |  |  |  |
| 100                                              | 256QAM     | 1       | 1         | 17.96                                 | 17.98                                    | 17.89                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 90                                               | QPSK       | 1       | 1         | 17.92                                 | 17.98                                    | 17.85                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 80                                               | QPSK       | 1       | 1         | 17.87                                 | 17.92                                    | 17.87                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 70                                               | QPSK       | 1       | 1         | 17.92                                 | 17.98                                    | 17.95                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 60                                               | QPSK       | 1       | 1         | 17.96                                 | 17.98                                    | 17.90                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 50                                               | QPSK       | 1       | 1         | 17.95                                 | 17.91                                    | 17.87                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 40                                               | QPSK       | 1       | 1         | 17.93                                 | 17.98                                    | 17.87                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 30                                               | QPSK       | 1       | 1         | 17.88                                 | 17.90                                    | 17.84                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 25                                               | QPSK       | 1       | 1         | 17.94                                 | 17.90                                    | 17.95                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 20                                               | QPSK       | 1       | 1         | 17.88                                 | 17.87                                    | 17.89                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 15                                               | QPSK       | 1       | 1         | 17.94                                 | 17.90                                    | 17.91                                  | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                                       |                                          |                                        |                        |             |  |  |  |
| 10                                               | QPSK       | 1       | 1         | 17.89                                 | 17.92                                    | 17.89                                  | 19.0                   | 0.0         |  |  |  |

| FR1 n77_Ant 2(SA)<br>FCC Part 27Q (3450-3550MHz) |            |         |           |                             |                                |                              |                        |             |  |  |  |
|--------------------------------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|--|--|
| BW [MHz]                                         | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 1         |                             | 17.87                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 137       |                             | 17.93                          |                              |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 1       | 271       |                             | 17.88                          |                              |                        |             |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 0         |                             | 17.84                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 69        |                             | 17.94                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 135     | 138       |                             | 17.87                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | P1/2 BPSK  | 270     | 0         |                             | 17.85                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 1       | 1         |                             | 18.00                          |                              |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 137       |                             | 17.89                          |                              |                        |             |  |  |  |
| 100                                              | QPSK       | 1       | 271       |                             | 17.96                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 135     | 0         |                             | 17.87                          |                              |                        |             |  |  |  |
| 100                                              | QPSK       | 135     | 69        |                             | 17.98                          |                              |                        |             |  |  |  |
| 100                                              | QPSK       | 135     | 138       |                             | 17.93                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | QPSK       | 270     | 0         |                             | 17.82                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | 16QAM      | 1       | 1         |                             | 17.91                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | 64QAM      | 1       | 1         |                             | 17.84                          |                              | 19.0                   | 0.0         |  |  |  |
| 100                                              | 256QAM     | 1       | 1         |                             | 17.91                          |                              | 19.0                   | 0.0         |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 90                                               | QPSK       | 1       | 1         | 633000                      | 633332                         | 633660                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 80                                               | QPSK       | 1       | 1         | 3450.02                     | 3459.58                        | 3504.59                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 70                                               | QPSK       | 1       | 1         | 632334                      | 633332                         | 634332                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 60                                               | QPSK       | 1       | 1         | 630000                      | 633332                         | 636666                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 50                                               | QPSK       | 1       | 1         | 6240.01                     | 3459.58                        | 3519.59                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 40                                               | QPSK       | 1       | 1         | 631668                      | 633332                         | 635000                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 30                                               | QPSK       | 1       | 1         | 6272.02                     | 3459.58                        | 3525.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 25                                               | QPSK       | 1       | 1         | 6273.00                     | 3459.58                        | 3531.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 20                                               | QPSK       | 1       | 1         | 631334                      | 633332                         | 635332                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 15                                               | QPSK       | 1       | 1         | 6270.01                     | 3459.58                        | 3535.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 10                                               | QPSK       | 1       | 1         | 631000                      | 633332                         | 635666                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 5                                                | QPSK       | 1       | 1         | 6300.00                     | 3459.58                        | 3537.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 6268.00                     | 3459.58                        | 3538.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 630666                      | 633332                         | 636000                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 6302.02                     | 3459.58                        | 3540.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 630500                      | 633332                         | 636166                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 6307.00                     | 3459.58                        | 3542.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 6307.00                     | 3459.58                        | 3542.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 6303.34                     | 633332                         | 636332                       | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 6346.01                     | 3459.58                        | 3543.00                      | Tune-up limit<br>(dbm) | MPR<br>(db) |  |  |  |
| Channel                                          |            |         |           |                             |                                |                              |                        |             |  |  |  |
| Frequency (MHz)                                  |            |         |           |                             |                                |                              |                        |             |  |  |  |
| 0                                                | QPSK       | 1       | 1         | 6344.01                     | 7.88                           | 17.91                        | 19.0                   | 0.0         |  |  |  |

| FR1 n77_Ant 2(SA)          |            |         |           |                           |                              |                            |                        |             |
|----------------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|------------------------|-------------|
| FCC Part 96 (3550-3700MHz) |            |         |           |                           |                              |                            |                        |             |
| 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                    |            |         |           | 640000                    | 641666                       | 643332                     |                        |             |
| Frequency (MHz)            |            |         |           | 3500                      | 3624.99                      | 3648.98                    |                        |             |
| 100                        | PV2 BPSK   | 1       | 1         | 17.83                     | 17.84                        | 17.87                      | 19.0                   | 0.0         |
| 100                        | PV2 BPSK   | 1       | 137       | 17.85                     | 17.82                        | 17.77                      |                        |             |
| 100                        | PV2 BPSK   | 1       | 274       | 17.82                     | 17.87                        | 17.84                      | 19.0                   | 0.0         |
| 100                        | PV2 BPSK   | 135     | 0         | 17.85                     | 17.81                        | 17.88                      |                        |             |
| 100                        | PV2 BPSK   | 135     | 69        | 17.86                     | 17.91                        | 17.84                      | 19.0                   | 0.0         |
| 100                        | PV2 BPSK   | 135     | 138       | 17.82                     | 17.84                        | 17.79                      |                        |             |
| 100                        | PV2 BPSK   | 270     | 0         | 17.81                     | 17.86                        | 17.77                      | 19.0                   | 0.0         |
| 100                        | QPSK       | 1       | 1         | 17.95                     | 17.97                        | 17.93                      |                        |             |
| 100                        | QPSK       | 1       | 137       | 17.81                     | 17.82                        | 17.87                      | 19.0                   | 0.0         |
| 100                        | QPSK       | 1       | 274       | 17.83                     | 17.81                        | 17.85                      |                        |             |
| 100                        | QPSK       | 135     | 0         | 17.88                     | 17.81                        | 17.88                      | 19.0                   | 0.0         |
| 100                        | QPSK       | 135     | 69        | 17.93                     | 17.95                        | 17.91                      |                        |             |
| 100                        | QPSK       | 135     | 138       | 17.85                     | 17.87                        | 17.83                      | 19.0                   | 0.0         |
| 100                        | QPSK       | 270     | 0         | 17.81                     | 17.86                        | 17.83                      |                        |             |
| 100                        | 16QAM      | 1       | 1         | 17.79                     | 17.89                        | 17.84                      | 19.0                   | 0.0         |
| 100                        | 64QAM      | 1       | 1         | 17.82                     | 17.86                        | 17.78                      |                        |             |
| 100                        | 256QAM     | 1       | 1         | 17.80                     | 17.82                        | 17.77                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 639666                    | 641666                       | 643666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3656.02                   | 3624.99                      | 3654.99                    | (dBm)                  | (dB)        |
| 90                         | QPSK       | 1       | 1         | 17.86                     | 17.83                        | 17.82                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 639334                    | 641666                       | 644000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3690.01                   | 3624.99                      | 3690                       | (dBm)                  | (dB)        |
| 80                         | QPSK       | 1       | 1         | 17.84                     | 17.81                        | 17.84                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 639000                    | 641666                       | 644332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3695                      | 3624.99                      | 3694.98                    | (dBm)                  | (dB)        |
| 70                         | QPSK       | 1       | 1         | 17.80                     | 17.83                        | 17.78                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 638668                    | 641666                       | 644666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3690.02                   | 3624.99                      | 3695.99                    | (dBm)                  | (dB)        |
| 60                         | QPSK       | 1       | 1         | 17.86                     | 17.85                        | 17.80                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 638334                    | 641666                       | 645000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3675.01                   | 3624.99                      | 3675                       | (dBm)                  | (dB)        |
| 50                         | QPSK       | 1       | 1         | 17.85                     | 17.81                        | 17.80                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 638000                    | 641666                       | 645332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3670                      | 3624.99                      | 3673.98                    | (dBm)                  | (dB)        |
| 40                         | QPSK       | 1       | 1         | 17.79                     | 17.80                        | 17.78                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 637668                    | 641666                       | 645666                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3665.02                   | 3624.99                      | 3684.99                    | (dBm)                  | (dB)        |
| 30                         | QPSK       | 1       | 1         | 17.88                     | 17.86                        | 17.87                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 637300                    | 641666                       | 645932                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3662.5                    | 3624.99                      | 3687.48                    | (dBm)                  | (dB)        |
| 25                         | QPSK       | 1       | 1         | 17.88                     | 17.84                        | 17.86                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 637234                    | 641666                       | 646000                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3660.01                   | 3624.99                      | 3690                       | (dBm)                  | (dB)        |
| 20                         | QPSK       | 1       | 1         | 17.79                     | 17.83                        | 17.78                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 637050                    | 641666                       | 646166                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3657.52                   | 3624.99                      | 3692.49                    | (dBm)                  | (dB)        |
| 15                         | QPSK       | 1       | 1         | 17.80                     | 17.81                        | 17.80                      | 19.0                   | 0.0         |
| Channel                    |            |         |           | 637000                    | 641666                       | 646332                     | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3655                      | 3624.99                      | 3694.98                    | (dBm)                  | (dB)        |
| 10                         | QPSK       | 1       | 1         | 17.87                     | 17.81                        | 17.87                      | 19.0                   | 0.0         |

Full&Default Power ENDC Mode  
FR1 n7\_Ant 4(NSA)

| FR1 n7_Ant 4(NSA) |            |         |           |                            |                               |                             |                        |             |
|-------------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|------------------------|-------------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch / Freq. | Power<br>Middle<br>Ch / Freq. | Power<br>High<br>Ch / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel           |            |         |           | 505000                     | 507000                        | 509000                      | 9.0                    | 0.0         |
| Frequency (MHz)   |            |         |           | 2525                       | 2535                          | 2545                        |                        |             |
| 50                | P12 BPSK   | 1       | 1         | 7.93                       | 7.94                          | 7.93                        |                        |             |
| 50                | P12 BPSK   | 1       | 135       | 7.91                       | 7.95                          | 7.89                        |                        |             |
| 50                | P12 BPSK   | 1       | 268       | 7.95                       | 7.95                          | 7.87                        | 9.0                    | 0.0         |
| 50                | P12 BPSK   | 135     | 0         | 7.92                       | 7.95                          | 7.97                        |                        |             |
| 50                | P12 BPSK   | 135     | 68        | 7.96                       | 7.87                          | 7.98                        |                        |             |
| 50                | P12 BPSK   | 135     | 135       | 7.95                       | 7.91                          | 7.97                        |                        |             |
| 50                | P12 BPSK   | 270     | 0         | 7.85                       | 7.95                          | 7.93                        | 9.0                    | 0.0         |
| 50                | QPSK       | 1       | 1         | 8.03                       | 8.10                          | 8.05                        |                        |             |
| 50                | QPSK       | 1       | 135       | 7.90                       | 7.89                          | 7.89                        |                        |             |
| 50                | QPSK       | 1       | 268       | 7.96                       | 7.97                          | 7.87                        |                        |             |
| 50                | QPSK       | 135     | 0         | 7.98                       | 7.86                          | 7.97                        | 9.0                    | 0.0         |
| 50                | QPSK       | 135     | 68        | 8.00                       | 8.08                          | 7.97                        | 9.0                    | 0.0         |
| 50                | QPSK       | 135     | 135       | 7.89                       | 7.96                          | 7.90                        | 9.0                    | 0.0         |
| 50                | QPSK       | 270     | 0         | 7.90                       | 7.87                          | 7.95                        | 9.0                    | 0.0         |
| 50                | 16QAM      | 1       | 1         | 7.92                       | 7.91                          | 7.98                        | 9.0                    | 0.0         |
| 50                | 64QAM      | 1       | 1         | 7.90                       | 7.89                          | 7.94                        | 9.0                    | 0.0         |
| 50                | 256QAM     | 1       | 1         | 7.95                       | 7.98                          | 7.92                        | 9.0                    | 0.0         |
| Channel           |            |         |           | 504000                     | 507000                        | 510000                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 2520                       | 2535                          | 2550                        |                        |             |
| 40                | P12 BPSK   | 1       | 1         | 7.86                       | 7.90                          | 7.88                        | 9.0                    | 0.0         |
| Channel           |            |         |           | 503500                     | 507000                        | 510500                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 2517.5                     | 2535                          | 2552.5                      |                        |             |
| 35                | P12 BPSK   | 1       | 1         | 7.92                       | 7.97                          | 7.89                        | 9.0                    | 0.0         |
| Channel           |            |         |           | 503000                     | 507000                        | 511000                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 2515                       | 2535                          | 2555                        |                        |             |
| 30                | P12 BPSK   | 1       | 1         | 7.95                       | 7.85                          | 7.87                        | 9.0                    | 0.0         |
| Channel           |            |         |           | 502500                     | 507000                        | 511500                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 2512.5                     | 2535                          | 2557.5                      |                        |             |
| 25                | P12 BPSK   | 1       | 1         | 7.87                       | 7.87                          | 7.81                        | 9.0                    | 0.0         |
| Channel           |            |         |           | 502000                     | 507000                        | 512000                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 2510                       | 2535                          | 2560                        |                        |             |
| 20                | P12 BPSK   | 1       | 1         | 7.88                       | 7.80                          | 7.80                        | 9.0                    | 0.0         |
| Channel           |            |         |           | 501500                     | 507000                        | 512500                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 2507.5                     | 2535                          | 2562.5                      |                        |             |
| 15                | P12 BPSK   | 1       | 1         | 7.92                       | 7.85                          | 7.89                        | 9.0                    | 0.0         |
| Channel           |            |         |           | 501000                     | 507000                        | 513000                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 2505                       | 2535                          | 2565                        |                        |             |
| 10                | P12 BPSK   | 1       | 1         | 7.85                       | 7.92                          | 7.90                        | 9.0                    | 0.0         |
| Channel           |            |         |           | 500500                     | 507000                        | 513500                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)   |            |         |           | 2502.5                     | 2535                          | 2567.5                      |                        |             |
| 5                 | P12 BPSK   | 1       | 1         | 7.85                       | 7.85                          | 7.81                        | 9.0                    | 0.0         |



| FR1 n78_Ant 2(NSA)          |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| FCC Part 27O (3700-3800MHz) |            |         |           |                       |                          |                        |                     |          |     |
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                |                          |                        | 24.0                | 0.0      |     |
| Frequency (MHz)             |            |         |           | 3750                  |                          |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 1         |                       | 22.50                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 137       |                       | 22.90                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 271       |                       | 22.66                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 135     | 0         |                       | 22.85                    |                        | 24.0                | 0.0      |     |
| 100                         | PI2 BPSK   | 135     | 69        |                       | 22.92                    |                        | 24.0                | 0.0      |     |
| 100                         | PI2 BPSK   | 135     | 138       |                       | 22.88                    |                        | 24.0                | 0.0      |     |
| 100                         | PI2 BPSK   | 270     | 0         |                       | 22.86                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 1         |                       | 23.00                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 137       |                       | 22.92                    |                        | 24.0                | 0.0      |     |
| 100                         | QPSK       | 1       | 271       |                       | 22.75                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 0         |                       | 22.55                    |                        | 23.5                | 0.5      |     |
| 100                         | QPSK       | 135     | 69        |                       | 22.98                    |                        | 24.0                | 0.0      |     |
| 100                         | QPSK       | 135     | 138       |                       | 22.53                    |                        | 23.5                | 0.5      |     |
| 100                         | QPSK       | 270     | 0         |                       | 22.56                    |                        |                     |          |     |
| 100                         | 16QAM      | 1       | 1         |                       | 22.45                    |                        | 23.5                | 0.5      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 20.74                    |                        | 22.0                | 2.0      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 19.82                    |                        | 20.0                | 4.0      |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 22.93                    | 22.83                  | 22.95               | 24.0     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 22.93                    | 22.96                  | 22.94               | 24.0     | 0.0 |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 22.94                    | 22.93                  | 22.96               | 24.0     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3760.98                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 22.93                    | 22.94                  | 22.93               | 24.0     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 22.99                    | 22.98                  | 22.94               | 24.0     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 22.99                    | 22.98                  | 22.99               | 24.0     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 22.96                    | 22.95                  | 22.95               | 24.0     | 0.0 |
| Channel                     |            |         |           | 647330                | 650000                   | 652660                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750.00                  | 3787.50                |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 22.93                    | 22.93                  | 22.98               | 24.0     | 0.0 |
| Channel                     |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.91               | 3750                     | 3788.98                |                     |          |     |
| 20                          | QPSK       | 1       | 1         |                       | 22.94                    | 22.96                  | 22.95               | 24.0     | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 22.93                    | 22.87                  | 22.98               | 24.0     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 22.99                    | 22.99                  | 22.95               | 24.0     | 0.0 |

| FR1 n78_Ant 2(NSA)          |            |         |           |                       |                          |                        |                     |          |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| FCC Part 27Q (3450-3550MHz) |            |         |           |                       |                          |                        |                     |          |
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                     |            |         |           |                       | 633332                   |                        |                     |          |
| Frequency (MHz)             |            |         |           |                       | 3495.98                  |                        |                     |          |
| 100                         | PI2 BPSK   | 1       | 1         |                       | 23.01                    |                        |                     |          |
| 100                         | PI2 BPSK   | 1       | 137       |                       | 23.01                    |                        | 24.0                | 0.0      |
| 100                         | PI2 BPSK   | 1       | 271       |                       | 22.91                    |                        |                     |          |
| 100                         | PI2 BPSK   | 135     | 0         |                       | 23.02                    |                        | 24.0                | 0.0      |
| 100                         | PI2 BPSK   | 135     | 69        |                       | 23.13                    |                        | 24.0                | 0.0      |
| 100                         | PI2 BPSK   | 135     | 138       |                       | 22.97                    |                        |                     |          |
| 100                         | PI2 BPSK   | 270     | 0         |                       | 23.02                    |                        | 24.0                | 0.0      |
| 100                         | QPSK       | 1       | 1         |                       | 23.14                    |                        |                     |          |
| 100                         | QPSK       | 1       | 137       |                       | 22.98                    |                        | 24.0                | 0.0      |
| 100                         | QPSK       | 1       | 271       |                       | 22.87                    |                        |                     |          |
| 100                         | QPSK       | 135     | 0         |                       | 22.79                    |                        | 23.5                | 0.5      |
| 100                         | QPSK       | 135     | 69        |                       | 23.13                    |                        | 24.0                | 0.0      |
| 100                         | QPSK       | 135     | 138       |                       | 22.74                    |                        | 23.5                | 0.5      |
| 100                         | QPSK       | 270     | 0         |                       | 22.81                    |                        |                     |          |
| 100                         | 16QAM      | 1       | 1         |                       | 22.51                    |                        | 23.5                | 0.5      |
| 100                         | 64QAM      | 1       | 1         |                       | 21.20                    |                        | 22.0                | 2.0      |
| 100                         | 256QAM     | 1       | 1         |                       | 19.22                    |                        | 20.0                | 4.0      |
| Channel                     |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |          |
| 90                          | QPSK       | 1       | 1         | 23.12                 | 23.11                    | 23.10                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |          |
| 80                          | QPSK       | 1       | 1         | 23.13                 | 23.07                    | 23.07                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |          |
| 70                          | QPSK       | 1       | 1         | 23.11                 | 23.10                    | 23.08                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3480                  | 3499.98                  | 3519.98                |                     |          |
| 60                          | QPSK       | 1       | 1         | 23.10                 | 23.10                    | 23.08                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |          |
| 50                          | QPSK       | 1       | 1         | 23.08                 | 23.08                    | 23.11                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |          |
| 40                          | QPSK       | 1       | 1         | 23.11                 | 23.08                    | 23.08                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |          |
| 30                          | QPSK       | 1       | 1         | 23.07                 | 23.07                    | 23.11                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |          |
| 25                          | QPSK       | 1       | 1         | 23.07                 | 23.10                    | 23.07                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |          |
| 20                          | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 23.13                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 630000                | 633332                   | 636666                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3450                  | 3499.98                  | 3540                   |                     |          |
| 15                          | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 23.13                  | 24.0                | 0.0      |
| Channel                     |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)             |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |          |
| 10                          | QPSK       | 1       | 1         | 23.13                 | 23.12                    | 23.13                  | 24.0                | 0.0      |

| FR1 n78_Ant 2(NSA)         |            |         |           |                             |                                |                              |                        |             |
|----------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| FCC Part 96 (3550-3700MHz) |            |         |           |                             |                                |                              |                        |             |
| 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                    |            |         |           | 640000                      | 641666                         | 643332                       | 21.8                   | 0.0         |
| Frequency (MHz)            |            |         |           | 3500                        | 3524.99                        | 3549.98                      |                        |             |
| 100                        | PI/2 BPSK  | 1       | 1         | 20.61                       | 20.61                          | 20.52                        |                        |             |
| 100                        | PI/2 BPSK  | 1       | 137       | 20.52                       | 20.66                          | 20.59                        |                        |             |
| 100                        | PI/2 BPSK  | 1       | 271       | 20.60                       | 20.61                          | 20.56                        | 21.8                   | 0.0         |
| 100                        | PI/2 BPSK  | 135     | 0         | 20.65                       | 20.57                          | 20.59                        |                        |             |
| 100                        | PI/2 BPSK  | 135     | 69        | 20.61                       | 20.58                          | 20.60                        |                        |             |
| 100                        | PI/2 BPSK  | 135     | 138       | 20.65                       | 20.70                          | 20.62                        |                        |             |
| 100                        | PI/2 BPSK  | 270     | 0         | 20.58                       | 20.60                          | 20.60                        | 21.8                   | 0.0         |
| 100                        | QPSK       | 1       | 1         | 20.67                       | 20.67                          | 20.86                        |                        |             |
| 100                        | QPSK       | 1       | 137       | 20.63                       | 20.54                          | 20.61                        |                        |             |
| 100                        | QPSK       | 1       | 271       | 20.55                       | 20.70                          | 20.56                        |                        |             |
| 100                        | QPSK       | 135     | 0         | 20.64                       | 20.66                          | 20.60                        | 21.8                   | 0.0         |
| 100                        | QPSK       | 135     | 69        | 20.88                       | 20.78                          | 20.77                        |                        |             |
| 100                        | QPSK       | 135     | 138       | 20.63                       | 20.61                          | 20.53                        |                        |             |
| 100                        | QPSK       | 270     | 0         | 20.60                       | 20.64                          | 20.50                        |                        |             |
| 100                        | 16QAM      | 1       | 1         | 20.62                       | 20.57                          | 20.60                        | 21.8                   | 0.0         |
| 100                        | 64QAM      | 1       | 1         | 20.54                       | 20.70                          | 20.77                        |                        |             |
| 100                        | 256QAM     | 1       | 1         | 19.17                       | 19.42                          | 19.47                        |                        |             |
| 100                        | 256QAM     | 1       | 1         | 19.17                       | 19.42                          | 19.47                        |                        |             |
| Channel                    |            |         |           | 639668                      | 641666                         | 643666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3595.02                     | 3624.99                        | 3654.99                      | (dBm)                  | (dB)        |
| 90                         | QPSK       | 1       | 1         | 20.63                       | 20.61                          | 20.52                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 639334                      | 641666                         | 644000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3590.01                     | 3624.99                        | 3660                         | (dBm)                  | (dB)        |
| 80                         | QPSK       | 1       | 1         | 20.66                       | 20.56                          | 20.49                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 639000                      | 641666                         | 644332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3585                        | 3624.99                        | 3664.98                      | (dBm)                  | (dB)        |
| 70                         | QPSK       | 1       | 1         | 20.68                       | 20.52                          | 20.58                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 638666                      | 641666                         | 644666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3580.02                     | 3624.98                        | 3669.98                      | (dBm)                  | (dB)        |
| 60                         | QPSK       | 1       | 1         | 20.57                       | 20.57                          | 20.46                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 638334                      | 641666                         | 645000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3573.01                     | 3624.99                        | 3675                         | (dBm)                  | (dB)        |
| 50                         | QPSK       | 1       | 1         | 20.65                       | 20.60                          | 20.48                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 638000                      | 641666                         | 645332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3570                        | 3624.99                        | 3678.98                      | (dBm)                  | (dB)        |
| 40                         | QPSK       | 1       | 1         | 20.60                       | 20.61                          | 20.51                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 637668                      | 641666                         | 645666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3565.02                     | 3624.99                        | 3684.99                      | (dBm)                  | (dB)        |
| 30                         | QPSK       | 1       | 1         | 20.58                       | 20.50                          | 20.56                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 637334                      | 641666                         | 646000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3560.01                     | 3624.99                        | 3690                         | (dBm)                  | (dB)        |
| 25                         | QPSK       | 1       | 1         | 20.66                       | 20.58                          | 20.58                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 637000                      | 641666                         | 646332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3557.52                     | 3624.99                        | 3692.49                      | (dBm)                  | (dB)        |
| 20                         | QPSK       | 1       | 1         | 20.69                       | 20.52                          | 20.55                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 637168                      | 641666                         | 646168                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3577.52                     | 3624.99                        | 3692.49                      | (dBm)                  | (dB)        |
| 15                         | QPSK       | 1       | 1         | 20.64                       | 20.55                          | 20.55                        | 21.8                   | 0.0         |
| Channel                    |            |         |           | 637000                      | 641666                         | 646332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3555                        | 3624.99                        | 3694.98                      | (dBm)                  | (dB)        |
| 10                         | QPSK       | 1       | 1         | 20.59                       | 20.59                          | 20.57                        | 21.8                   | 0.0         |



Reduced ENDC Power for State 1  
FR1 n7\_Ant 4(NSA)

| FR1 n7_Ant 4(NSA) |            |         |           |                             |                                |                              |                        |             |  |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| 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           |            |         |           | 506000                      | 507000                         | 508000                       | 9.0                    | 0.0         |  |
| Frequency (MHz)   |            |         |           | 2525                        | 2535                           | 2545                         |                        |             |  |
| 50                | P12 BPSK   | 1       | 1         | 7.93                        | 7.94                           | 7.93                         |                        |             |  |
| 50                | P12 BPSK   | 1       | 135       | 7.91                        | 7.95                           | 7.89                         |                        |             |  |
| 50                | P12 BPSK   | 1       | 268       | 7.95                        | 7.95                           | 7.87                         | 9.0                    | 0.0         |  |
| 50                | P12 BPSK   | 135     | 0         | 7.82                        | 7.95                           | 7.97                         |                        |             |  |
| 50                | P12 BPSK   | 135     | 68        | 7.95                        | 7.87                           | 7.95                         |                        |             |  |
| 50                | P12 BPSK   | 135     | 135       | 7.95                        | 7.91                           | 7.97                         |                        |             |  |
| 50                | P12 BPSK   | 270     | 0         | 7.85                        | 7.95                           | 7.93                         | 9.0                    | 0.0         |  |
| 50                | QPSK       | 1       | 1         | 8.03                        | 8.10                           | 8.05                         |                        |             |  |
| 50                | QPSK       | 1       | 135       | 7.90                        | 7.89                           | 7.89                         |                        |             |  |
| 50                | QPSK       | 1       | 268       | 7.95                        | 7.97                           | 7.87                         |                        |             |  |
| 50                | QPSK       | 135     | 0         | 7.98                        | 7.86                           | 7.97                         | 9.0                    | 0.0         |  |
| 50                | QPSK       | 135     | 68        | 8.00                        | 8.08                           | 7.97                         |                        |             |  |
| 50                | QPSK       | 135     | 135       | 7.89                        | 7.96                           | 7.90                         |                        |             |  |
| 50                | QPSK       | 270     | 0         | 7.90                        | 7.87                           | 7.95                         |                        |             |  |
| 50                | 16QAM      | 1       | 1         | 7.92                        | 7.91                           | 7.98                         | 9.0                    | 0.0         |  |
| 50                | 64QAM      | 1       | 1         | 7.90                        | 7.89                           | 7.94                         |                        |             |  |
| 50                | 256QAM     | 1       | 1         | 7.95                        | 7.98                           | 7.92                         |                        |             |  |
| Channel           |            |         |           | 504000                      | 507000                         | 510000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2520                        | 2535                           | 2550                         | (dBm)                  |             |  |
| 40                | P12 BPSK   | 1       | 1         | 7.88                        | 7.90                           | 7.89                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 503500                      | 507000                         | 510500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2517.5                      | 2535                           | 2552.5                       | (dBm)                  |             |  |
| 35                | P12 BPSK   | 1       | 1         | 7.92                        | 7.87                           | 7.93                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 510000                      | 507000                         | 511000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2515                        | 2535                           | 2555                         | (dBm)                  |             |  |
| 30                | P12 BPSK   | 1       | 1         | 7.95                        | 7.85                           | 7.87                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 502500                      | 507000                         | 511500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2512.5                      | 2535                           | 2557.5                       | (dBm)                  |             |  |
| 25                | P12 BPSK   | 1       | 1         | 7.97                        | 7.87                           | 7.91                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 502000                      | 507000                         | 512000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2510                        | 2535                           | 2560                         | (dBm)                  |             |  |
| 20                | P12 BPSK   | 1       | 1         | 7.85                        | 7.93                           | 7.93                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 501500                      | 507000                         | 512500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2507.5                      | 2535                           | 2562.5                       | (dBm)                  |             |  |
| 15                | P12 BPSK   | 1       | 1         | 7.92                        | 7.85                           | 7.89                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 501000                      | 507000                         | 513000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2505                        | 2535                           | 2565                         | (dBm)                  |             |  |
| 10                | P12 BPSK   | 1       | 1         | 7.85                        | 7.92                           | 7.90                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 500500                      | 507000                         | 513500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2502.5                      | 2535                           | 2567.5                       | (dBm)                  |             |  |
| 5                 | P12 BPSK   | 1       | 1         | 7.85                        | 7.89                           | 7.91                         | 9.0                    | 0.0         |  |



| FR1 n78_Ant 2(NSA)          |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| FCC Part 27O (3700-3800MHz) |            |         |           |                       |                          |                        |                     |          |     |
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                |                          |                        | 12.5                | 0.0      |     |
| Frequency (MHz)             |            |         |           | 3750                  |                          |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 1         |                       | 11.77                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 137       |                       | 11.77                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 271       |                       | 11.77                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 135     | 0         |                       | 11.74                    |                        | 12.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 135     | 69        |                       | 11.73                    |                        | 12.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 135     | 138       |                       | 11.75                    |                        | 12.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 270     | 0         |                       | 11.73                    |                        | 12.5                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 11.83                    |                        | 12.5                | 0.0      |     |
| 100                         | QPSK       | 1       | 137       |                       | 11.70                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 11.76                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 0         |                       | 11.78                    |                        | 12.5                | 0.0      |     |
| 100                         | QPSK       | 135     | 69        |                       | 11.81                    |                        | 12.5                | 0.0      |     |
| 100                         | QPSK       | 135     | 138       |                       | 11.71                    |                        | 12.5                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 11.80                    |                        | 12.5                | 0.0      |     |
| 100                         | 16QAM      | 1       | 1         |                       | 11.71                    |                        | 12.5                | 0.0      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 11.78                    |                        | 12.5                | 0.0      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 11.72                    |                        | 12.5                | 0.0      |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 11.70                    | 11.68                  | 11.66               | 12.5     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 11.66                    | 11.72                  | 11.71               | 12.5     | 0.0 |
| Channel                     |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 11.73                    | 11.76                  | 11.72               | 12.5     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3760.98                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 11.66                    | 11.73                  | 11.70               | 12.5     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 11.71                    | 11.75                  | 11.71               | 12.5     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 11.70                    | 11.72                  | 11.71               | 12.5     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 11.75                    | 11.75                  | 11.65               | 12.5     | 0.0 |
| Channel                     |            |         |           | 647330                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3712.5                | 3750.00                  | 3787.50                |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 11.67                    | 11.72                  | 11.68               | 12.5     | 0.0 |
| Channel                     |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.91               | 3750                     | 3788.99                |                     |          |     |
| 20                          | QPSK       | 1       | 1         |                       | 11.67                    | 11.67                  | 11.67               | 12.5     | 0.0 |
| Channel                     |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 11.73                    | 11.69                  | 11.72               | 12.5     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 11.73                    | 11.78                  | 11.73               | 12.5     | 0.0 |

| FR1 n78_Ant 2(NSA)          |            |         |           |                       |                          |                        |                     |          |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| FCC Part 27Q (3450-3550MHz) |            |         |           |                       |                          |                        |                     |          |
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                     |            |         |           | 633332                |                          |                        |                     |          |
| Frequency (MHz)             |            |         |           | 3499.98               |                          |                        |                     |          |
| 100                         | PI2 BPSK   | 1       | 1         |                       | 11.59                    |                        | 12.5                | 0.0      |
| 100                         | PI2 BPSK   | 1       | 137       |                       | 11.57                    |                        |                     |          |
| 100                         | PI2 BPSK   | 1       | 271       |                       | 11.59                    |                        |                     |          |
| 100                         | PI2 BPSK   | 135     | 0         |                       | 11.55                    |                        | 12.5                | 0.0      |
| 100                         | PI2 BPSK   | 135     | 69        |                       | 11.62                    |                        | 12.5                | 0.0      |
| 100                         | PI2 BPSK   | 135     | 138       |                       | 11.60                    |                        | 12.5                | 0.0      |
| 100                         | PI2 BPSK   | 270     | 0         |                       | 11.59                    |                        | 12.5                | 0.0      |
| 100                         | QPSK       | 1       | 1         |                       | 11.68                    |                        | 12.5                | 0.0      |
| 100                         | QPSK       | 1       | 137       |                       | 11.63                    |                        |                     |          |
| 100                         | QPSK       | 1       | 271       |                       | 11.61                    |                        |                     |          |
| 100                         | QPSK       | 135     | 0         |                       | 11.60                    |                        | 12.5                | 0.0      |
| 100                         | QPSK       | 135     | 69        |                       | 11.66                    |                        | 12.5                | 0.0      |
| 100                         | QPSK       | 135     | 138       |                       | 11.53                    |                        | 12.5                | 0.0      |
| 100                         | QPSK       | 270     | 0         |                       | 11.63                    |                        | 12.5                | 0.0      |
| 100                         | 16QAM      | 1       | 1         |                       | 11.59                    |                        | 12.5                | 0.0      |
| 100                         | 64QAM      | 1       | 1         |                       | 11.62                    |                        | 12.5                | 0.0      |
| 100                         | 256QAM     | 1       | 1         |                       | 11.61                    |                        | 12.5                | 0.0      |
| Channel                     |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3495                  | 3499.98                  | 3504.99                | (dBm)               | (dB)     |
| 90                          | QPSK       | 1       | 1         | 11.56                 | 11.54                    | 11.53                  | 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         | 11.54                 | 11.63                    | 11.57                  | 12.5                | 0.0      |
| Channel                     |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3485.01               | 3499.98                  | 3514.98                | (dBm)               | (dB)     |
| 70                          | QPSK       | 1       | 1         | 11.54                 | 11.54                    | 11.57                  | 12.5                | 0.0      |
| Channel                     |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3480                  | 3499.98                  | 3519.98                | (dBm)               | (dB)     |
| 60                          | QPSK       | 1       | 1         | 11.57                 | 11.60                    | 11.49                  | 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         | 11.54                 | 11.58                    | 11.56                  | 12.5                | 0.0      |
| Channel                     |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3470.01               | 3499.98                  | 3528.98                | (dBm)               | (dB)     |
| 40                          | QPSK       | 1       | 1         | 11.59                 | 11.62                    | 11.53                  | 12.5                | 0.0      |
| Channel                     |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3465                  | 3499.98                  | 3534.99                | (dBm)               | (dB)     |
| 30                          | QPSK       | 1       | 1         | 11.60                 | 11.59                    | 11.59                  | 12.5                | 0.0      |
| Channel                     |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3460.02               | 3499.98                  | 3540                   | (dBm)               | (dB)     |
| 25                          | QPSK       | 1       | 1         | 11.53                 | 11.56                    | 11.58                  | 12.5                | 0.0      |
| Channel                     |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3455.01               | 3499.98                  | 3540                   | (dBm)               | (dB)     |
| 20                          | QPSK       | 1       | 1         | 11.51                 | 11.59                    | 11.57                  | 12.5                | 0.0      |
| Channel                     |            |         |           | 630600                | 633332                   | 636166                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3451.51               | 3499.98                  | 3542.49                | (dBm)               | (dB)     |
| 15                          | QPSK       | 1       | 1         | 11.54                 | 11.53                    | 11.51                  | 12.5                | 0.0      |
| Channel                     |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3455.01               | 3499.98                  | 3544.98                | (dBm)               | (dB)     |
| 10                          | QPSK       | 1       | 1         | 11.51                 | 11.52                    | 11.57                  | 12.5                | 0.0      |

| FR1 n78_Ant 2(NSA)         |            |         |           |                             |                                |                              |                        |             |
|----------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| FCC Part 96 (3550-3700MHz) |            |         |           |                             |                                |                              |                        |             |
| 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                    |            |         |           | 640000                      | 641666                         | 643332                       | 12.5                   | 0.0         |
| Frequency (MHz)            |            |         |           | 3600                        | 3624.99                        | 3649.98                      |                        |             |
| 100                        | PI2 BPSK   | 1       | 1         | 11.58                       | 11.57                          | 11.48                        |                        |             |
| 100                        | PI2 BPSK   | 1       | 137       | 11.80                       | 11.81                          | 11.54                        |                        |             |
| 100                        | PI2 BPSK   | 1       | 271       | 11.55                       | 11.60                          | 11.56                        | 12.5                   | 0.0         |
| 100                        | PI2 BPSK   | 135     | 0         | 11.51                       | 11.59                          | 11.48                        |                        |             |
| 100                        | PI2 BPSK   | 135     | 69        | 11.56                       | 11.54                          | 11.47                        |                        |             |
| 100                        | PI2 BPSK   | 135     | 138       | 11.57                       | 11.58                          | 11.54                        |                        |             |
| 100                        | PI2 BPSK   | 270     | 0         | 11.49                       | 11.55                          | 11.51                        | 12.5                   | 0.0         |
| 100                        | QPSK       | 1       | 1         | 11.65                       | 11.67                          | 11.63                        |                        |             |
| 100                        | QPSK       | 1       | 137       | 11.51                       | 11.55                          | 11.56                        |                        |             |
| 100                        | QPSK       | 1       | 271       | 11.60                       | 11.61                          | 11.53                        |                        |             |
| 100                        | QPSK       | 135     | 0         | 11.49                       | 11.54                          | 11.49                        | 12.5                   | 0.0         |
| 100                        | QPSK       | 135     | 69        | 11.63                       | 11.65                          | 11.61                        | 12.5                   | 0.0         |
| 100                        | QPSK       | 135     | 138       | 11.58                       | 11.58                          | 11.51                        | 12.5                   | 0.0         |
| 100                        | QPSK       | 270     | 0         | 11.60                       | 11.62                          | 11.58                        | 12.5                   | 0.0         |
| 100                        | 16QAM      | 1       | 1         | 11.50                       | 11.60                          | 11.54                        | 12.5                   | 0.0         |
| 100                        | 64QAM      | 1       | 1         | 11.50                       | 11.51                          | 11.53                        | 12.5                   | 0.0         |
| 100                        | 256QAM     | 1       | 1         | 11.50                       | 11.61                          | 11.48                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 639668                      | 641666                         | 643666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3595.02                     | 3624.99                        | 3654.99                      | (dBm)                  | (dB)        |
| 90                         | QPSK       | 1       | 1         | 11.55                       | 11.55                          | 11.55                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 639334                      | 641666                         | 644000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3590.01                     | 3624.99                        | 3660                         | (dBm)                  | (dB)        |
| 80                         | QPSK       | 1       | 1         | 11.55                       | 11.53                          | 11.49                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 639000                      | 641666                         | 643332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3585                        | 3624.99                        | 3664.98                      | (dBm)                  | (dB)        |
| 70                         | QPSK       | 1       | 1         | 11.50                       | 11.56                          | 11.51                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 638666                      | 641666                         | 644666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3580.02                     | 3624.99                        | 3689.98                      | (dBm)                  | (dB)        |
| 60                         | QPSK       | 1       | 1         | 11.58                       | 11.54                          | 11.48                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 638334                      | 641666                         | 645000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3575.01                     | 3624.99                        | 3675                         | (dBm)                  | (dB)        |
| 50                         | QPSK       | 1       | 1         | 11.57                       | 11.58                          | 11.55                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 638000                      | 641666                         | 645332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3570                        | 3624.99                        | 3679.98                      | (dBm)                  | (dB)        |
| 40                         | QPSK       | 1       | 1         | 11.49                       | 11.54                          | 11.54                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 637668                      | 641666                         | 645666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3565.02                     | 3624.99                        | 3684.99                      | (dBm)                  | (dB)        |
| 30                         | QPSK       | 1       | 1         | 11.53                       | 11.60                          | 11.47                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 637334                      | 641666                         | 646000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3560.01                     | 3624.99                        | 3690                         | (dBm)                  | (dB)        |
| 25                         | QPSK       | 1       | 1         | 11.53                       | 11.59                          | 11.47                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 637000                      | 641666                         | 646332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3557.52                     | 3624.99                        | 3692.49                      | (dBm)                  | (dB)        |
| 20                         | QPSK       | 1       | 1         | 11.53                       | 11.59                          | 11.51                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 637168                      | 641666                         | 646168                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3555                        | 3624.99                        | 3694.98                      | (dBm)                  | (dB)        |
| 15                         | QPSK       | 1       | 1         | 11.55                       | 11.59                          | 11.50                        | 12.5                   | 0.0         |
| Channel                    |            |         |           | 637000                      | 641666                         | 646332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3555                        | 3624.99                        | 3694.98                      | (dBm)                  | (dB)        |
| 10                         | QPSK       | 1       | 1         | 11.57                       | 11.58                          | 11.55                        | 12.5                   | 0.0         |

Reduced ENDG Power for State 3  
FR1 n7\_Ant 4(NSA)

| FR1 n7_Ant 4(NSA) |            |         |           |                             |                                |                              |                        |             |  |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| 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           |            |         |           | 506000                      | 507000                         | 508000                       | 9.0                    | 0.0         |  |
| Frequency (MHz)   |            |         |           | 2525                        | 2535                           | 2545                         |                        |             |  |
| 50                | PV2 BPSK   | 1       | 1         | 7.93                        | 7.94                           | 7.93                         |                        |             |  |
| 50                | PV2 BPSK   | 1       | 135       | 7.91                        | 7.95                           | 7.89                         |                        |             |  |
| 50                | PV2 BPSK   | 1       | 268       | 7.95                        | 7.95                           | 7.87                         | 9.0                    | 0.0         |  |
| 50                | PV2 BPSK   | 135     | 0         | 7.82                        | 7.95                           | 7.97                         |                        |             |  |
| 50                | PV2 BPSK   | 135     | 68        | 7.95                        | 7.87                           | 7.95                         |                        |             |  |
| 50                | PV2 BPSK   | 135     | 135       | 7.95                        | 7.91                           | 7.97                         |                        |             |  |
| 50                | PV2 BPSK   | 270     | 0         | 7.85                        | 7.95                           | 7.93                         | 9.0                    | 0.0         |  |
| 50                | QPSK       | 1       | 1         | 8.03                        | 8.10                           | 8.05                         |                        |             |  |
| 50                | QPSK       | 1       | 135       | 7.90                        | 7.89                           | 7.89                         |                        |             |  |
| 50                | QPSK       | 1       | 268       | 7.95                        | 7.97                           | 7.87                         |                        |             |  |
| 50                | QPSK       | 135     | 0         | 7.98                        | 7.86                           | 7.97                         | 9.0                    | 0.0         |  |
| 50                | QPSK       | 135     | 68        | 8.00                        | 8.08                           | 7.97                         | 9.0                    | 0.0         |  |
| 50                | QPSK       | 135     | 135       | 7.89                        | 7.96                           | 7.90                         | 9.0                    | 0.0         |  |
| 50                | QPSK       | 270     | 0         | 7.90                        | 7.87                           | 7.95                         |                        |             |  |
| 50                | 16QAM      | 1       | 1         | 7.92                        | 7.91                           | 7.98                         | 9.0                    | 0.0         |  |
| 50                | 64QAM      | 1       | 1         | 7.90                        | 7.89                           | 7.94                         | 9.0                    | 0.0         |  |
| 50                | 256QAM     | 1       | 1         | 7.95                        | 7.98                           | 7.92                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 504000                      | 507000                         | 510000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2520                        | 2535                           | 2550                         | (dBm)                  |             |  |
| 40                | PV2 BPSK   | 1       | 1         | 7.88                        | 7.90                           | 7.89                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 503500                      | 507000                         | 510500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2517.5                      | 2535                           | 2552.5                       | (dBm)                  |             |  |
| 35                | PV2 BPSK   | 1       | 1         | 7.92                        | 7.87                           | 7.93                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 503000                      | 507000                         | 511000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2515                        | 2535                           | 2555                         | (dBm)                  |             |  |
| 30                | PV2 BPSK   | 1       | 1         | 7.95                        | 7.85                           | 7.87                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 502500                      | 507000                         | 511500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2512.5                      | 2535                           | 2557.5                       | (dBm)                  |             |  |
| 25                | PV2 BPSK   | 1       | 1         | 7.97                        | 7.87                           | 7.91                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 502000                      | 507000                         | 512000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2510                        | 2535                           | 2560                         | (dBm)                  |             |  |
| 20                | PV2 BPSK   | 1       | 1         | 7.85                        | 7.93                           | 7.93                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 501500                      | 507000                         | 512500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2507.5                      | 2535                           | 2562.5                       | (dBm)                  |             |  |
| 15                | PV2 BPSK   | 1       | 1         | 7.92                        | 7.85                           | 7.89                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 501000                      | 507000                         | 513000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2505                        | 2535                           | 2565                         | (dBm)                  |             |  |
| 10                | PV2 BPSK   | 1       | 1         | 7.85                        | 7.92                           | 7.90                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 500500                      | 507000                         | 513500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2502.5                      | 2535                           | 2567.5                       | (dBm)                  |             |  |
| 5                 | PV2 BPSK   | 1       | 1         | 7.85                        | 7.89                           | 7.91                         | 9.0                    | 0.0         |  |



| FR1 n78_Ant 2(NSA)          |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| FCC Part 27O (3700-3800MHz) |            |         |           |                       |                          |                        |                     |          |     |
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 650000                |                          |                        | 20.5                | 0.0      |     |
| Frequency (MHz)             |            |         |           | 3750                  |                          |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 1         |                       | 19.70                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 137       |                       | 19.77                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 271       |                       | 19.70                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 135     | 0         |                       | 19.75                    |                        | 20.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 135     | 69        |                       | 19.75                    |                        | 20.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 135     | 138       |                       | 19.77                    |                        | 20.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 270     | 0         |                       | 19.71                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 19.92                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 1       | 137       |                       | 19.75                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 19.70                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 0         |                       | 19.74                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 135     | 69        |                       | 19.80                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 135     | 138       |                       | 19.69                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 19.67                    |                        | 20.5                | 0.0      |     |
| 100                         | 16QAM      | 1       | 1         |                       | 19.69                    |                        | 20.5                | 0.0      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 19.69                    |                        | 20.5                | 0.0      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 19.12                    |                        | 20.0                | 0.5      |     |
| Channel                     |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 19.66                    | 19.72                  | 19.65               | 20.5     | 0.0 |
| Channel                     |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 19.73                    | 19.64                  | 19.75               | 20.5     | 0.0 |
| Channel                     |            |         |           | 648999                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 19.65                    | 19.74                  | 19.72               | 20.5     | 0.0 |
| Channel                     |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3730.02               | 3750                     | 3769.98                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 19.73                    | 19.74                  | 19.67               | 20.5     | 0.0 |
| Channel                     |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 19.74                    | 19.75                  | 19.72               | 20.5     | 0.0 |
| Channel                     |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 19.71                    | 19.67                  | 19.68               | 20.5     | 0.0 |
| Channel                     |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 19.71                    | 19.68                  | 19.74               | 20.5     | 0.0 |
| Channel                     |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3710.01               | 3750                     | 3789.99                |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 19.71                    | 19.68                  | 19.73               | 20.5     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 19.64                    | 19.72                  | 19.65               | 20.5     | 0.0 |
| Channel                     |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 19.72                    | 19.70                  | 19.74               | 20.5     | 0.0 |

| FR1 n78_Ant 2(NSA)          |            |         |           |                       |                          |                        |                     |          |     |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| FCC Part 27Q (3450-3550MHz) |            |         |           |                       |                          |                        |                     |          |     |
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                     |            |         |           | 633332                |                          |                        |                     |          |     |
| Frequency (MHz)             |            |         |           | 3499.98               |                          |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 1         |                       | 19.54                    |                        | 20.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 1       | 137       |                       | 19.52                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 1       | 271       |                       | 19.57                    |                        |                     |          |     |
| 100                         | PI2 BPSK   | 135     | 0         |                       | 19.56                    |                        | 20.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 135     | 69        |                       | 19.54                    |                        | 20.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 135     | 138       |                       | 19.49                    |                        | 20.5                | 0.0      |     |
| 100                         | PI2 BPSK   | 270     | 0         |                       | 19.60                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 1       | 1         |                       | 19.55                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 1       | 137       |                       | 19.49                    |                        |                     |          |     |
| 100                         | QPSK       | 1       | 271       |                       | 19.57                    |                        |                     |          |     |
| 100                         | QPSK       | 135     | 0         |                       | 19.58                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 135     | 69        |                       | 19.63                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 135     | 138       |                       | 19.55                    |                        | 20.5                | 0.0      |     |
| 100                         | QPSK       | 270     | 0         |                       | 19.48                    |                        | 20.5                | 0.0      |     |
| 100                         | 16QAM      | 1       | 1         |                       | 19.57                    |                        | 20.5                | 0.0      |     |
| 100                         | 64QAM      | 1       | 1         |                       | 19.56                    |                        | 20.5                | 0.0      |     |
| 100                         | 256QAM     | 1       | 1         |                       | 19.22                    |                        | 20.0                | 0.5      |     |
| Channel                     |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |          |     |
| 90                          | QPSK       | 1       | 1         |                       | 19.57                    | 19.57                  | 20.5                | 0.0      |     |
| Channel                     |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |          |     |
| 80                          | QPSK       | 1       | 1         |                       | 19.50                    | 19.48                  | 20.5                | 0.0      |     |
| Channel                     |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |          |     |
| 70                          | QPSK       | 1       | 1         |                       | 19.58                    | 19.58                  | 20.5                | 0.0      |     |
| Channel                     |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3480                  | 3499.98                  | 3519.98                |                     |          |     |
| 60                          | QPSK       | 1       | 1         |                       | 19.57                    | 19.50                  | 20.5                | 0.0      |     |
| Channel                     |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |          |     |
| 50                          | QPSK       | 1       | 1         |                       | 19.53                    | 19.48                  | 20.5                | 0.0      |     |
| Channel                     |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |          |     |
| 40                          | QPSK       | 1       | 1         |                       | 19.54                    | 19.48                  | 20.5                | 0.0      |     |
| Channel                     |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |          |     |
| 30                          | QPSK       | 1       | 1         |                       | 19.48                    | 19.54                  | 20.5                | 0.0      |     |
| Channel                     |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |          |     |
| 25                          | QPSK       | 1       | 1         |                       | 19.50                    | 19.47                  | 20.5                | 0.0      |     |
| Channel                     |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |          |     |
| 15                          | QPSK       | 1       | 1         |                       | 19.58                    | 19.47                  | 19.49               | 20.5     | 0.0 |
| Channel                     |            |         |           | 630000                | 633332                   | 636666                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)             |            |         |           | 3450.01               | 3499.98                  | 3549.98                |                     |          |     |
| 10                          | QPSK       | 1       | 1         |                       | 19.54                    | 19.56                  | 19.50               | 20.5     | 0.0 |

| FR1 n78_Ant 2(NSA)         |            |         |           |                             |                                |                              |                        |             |
|----------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| FCC Part 96 (3550-3700MHz) |            |         |           |                             |                                |                              |                        |             |
| 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                    |            |         |           | 640000                      | 641666                         | 643332                       | 20.5                   | 0.0         |
| Frequency (MHz)            |            |         |           | 3500                        | 3524.99                        | 3549.98                      |                        |             |
| 100                        | PI2 BPSK   | 1       | 1         | 19.53                       | 19.53                          | 19.50                        |                        |             |
| 100                        | PI2 BPSK   | 1       | 137       | 19.55                       | 19.80                          | 19.52                        |                        |             |
| 100                        | PI2 BPSK   | 1       | 271       | 19.58                       | 19.54                          | 19.56                        | 20.5                   | 0.0         |
| 100                        | PI2 BPSK   | 135     | 0         | 19.57                       | 19.51                          | 19.53                        |                        |             |
| 100                        | PI2 BPSK   | 135     | 69        | 19.57                       | 19.51                          | 19.53                        |                        |             |
| 100                        | PI2 BPSK   | 135     | 138       | 19.56                       | 19.53                          | 19.52                        |                        |             |
| 100                        | PI2 BPSK   | 270     | 0         | 19.50                       | 19.59                          | 19.53                        | 20.5                   | 0.0         |
| 100                        | QPSK       | 1       | 1         | 19.64                       | 19.86                          | 19.63                        |                        |             |
| 100                        | QPSK       | 1       | 137       | 19.59                       | 19.58                          | 19.56                        |                        |             |
| 100                        | QPSK       | 1       | 271       | 19.59                       | 19.54                          | 19.50                        |                        |             |
| 100                        | QPSK       | 135     | 0         | 19.56                       | 19.51                          | 19.49                        | 20.5                   | 0.0         |
| 100                        | QPSK       | 135     | 69        | 19.61                       | 19.63                          | 19.60                        | 20.5                   | 0.0         |
| 100                        | QPSK       | 135     | 138       | 19.56                       | 19.59                          | 19.54                        | 20.5                   | 0.0         |
| 100                        | QPSK       | 270     | 0         | 19.54                       | 19.57                          | 19.51                        |                        |             |
| 100                        | 16QAM      | 1       | 1         | 19.54                       | 19.51                          | 19.47                        | 20.5                   | 0.0         |
| 100                        | 64QAM      | 1       | 1         | 19.54                       | 19.54                          | 19.51                        | 20.5                   | 0.0         |
| 100                        | 256QAM     | 1       | 1         | 19.53                       | 19.56                          | 19.50                        | 19.5                   | 1.0         |
| Channel                    |            |         |           | 639668                      | 641666                         | 643666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3593.02                     | 3624.99                        | 3654.99                      | (dBm)                  | (dB)        |
| 90                         | QPSK       | 1       | 1         | 19.59                       | 19.61                          | 19.52                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 639334                      | 641666                         | 644000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3590.01                     | 3624.99                        | 3660                         | (dBm)                  | (dB)        |
| 80                         | QPSK       | 1       | 1         | 19.48                       | 19.50                          | 19.53                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 639000                      | 641666                         | 644332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3585                        | 3624.99                        | 3664.98                      | (dBm)                  | (dB)        |
| 70                         | QPSK       | 1       | 1         | 19.59                       | 19.55                          | 19.56                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 638666                      | 641666                         | 644666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3580.02                     | 3624.99                        | 3669.99                      | (dBm)                  | (dB)        |
| 60                         | QPSK       | 1       | 1         | 19.51                       | 19.58                          | 19.58                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 638334                      | 641666                         | 645000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3573.01                     | 3624.99                        | 3675                         | (dBm)                  | (dB)        |
| 50                         | QPSK       | 1       | 1         | 19.55                       | 19.60                          | 19.50                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 638000                      | 641666                         | 645332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3570                        | 3624.99                        | 3679.98                      | (dBm)                  | (dB)        |
| 40                         | QPSK       | 1       | 1         | 19.49                       | 19.59                          | 19.49                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 637668                      | 641666                         | 645666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3565.02                     | 3624.99                        | 3684.99                      | (dBm)                  | (dB)        |
| 30                         | QPSK       | 1       | 1         | 19.57                       | 19.50                          | 19.54                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 637334                      | 641666                         | 646000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3560.01                     | 3624.99                        | 3690                         | (dBm)                  | (dB)        |
| 25                         | QPSK       | 1       | 1         | 19.48                       | 19.54                          | 19.51                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 637000                      | 641666                         | 646332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3557.52                     | 3624.99                        | 3692.49                      | (dBm)                  | (dB)        |
| 20                         | QPSK       | 1       | 1         | 19.50                       | 19.61                          | 19.54                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 637168                      | 641666                         | 646168                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3557.52                     | 3624.99                        | 3692.49                      | (dBm)                  | (dB)        |
| 15                         | QPSK       | 1       | 1         | 19.55                       | 19.51                          | 19.58                        | 20.5                   | 0.0         |
| Channel                    |            |         |           | 637000                      | 641666                         | 646332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3555                        | 3624.99                        | 3694.98                      | (dBm)                  | (dB)        |
| 10                         | QPSK       | 1       | 1         | 19.59                       | 19.53                          | 19.47                        | 20.5                   | 0.0         |



Reduced ENDC Power for State 4  
FR1 n7\_Ant 4(NSA)

| FR1 n7_Ant 4(NSA) |            |         |           |                             |                                |                              |                        |             |  |
|-------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| 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           |            |         |           | 506000                      | 507000                         | 508000                       | 9.0                    | 0.0         |  |
| Frequency (MHz)   |            |         |           | 2525                        | 2535                           | 2545                         |                        |             |  |
| 50                | P12 BPSK   | 1       | 1         | 7.93                        | 7.94                           | 7.93                         |                        |             |  |
| 50                | P12 BPSK   | 1       | 135       | 7.91                        | 7.95                           | 7.89                         |                        |             |  |
| 50                | P12 BPSK   | 1       | 268       | 7.95                        | 7.95                           | 7.87                         | 9.0                    | 0.0         |  |
| 50                | P12 BPSK   | 135     | 0         | 7.82                        | 7.95                           | 7.97                         |                        |             |  |
| 50                | P12 BPSK   | 135     | 68        | 7.95                        | 7.87                           | 7.95                         |                        |             |  |
| 50                | P12 BPSK   | 135     | 135       | 7.95                        | 7.91                           | 7.97                         |                        |             |  |
| 50                | P12 BPSK   | 270     | 0         | 7.85                        | 7.95                           | 7.93                         | 9.0                    | 0.0         |  |
| 50                | QPSK       | 1       | 1         | 8.03                        | 8.10                           | 8.05                         |                        |             |  |
| 50                | QPSK       | 1       | 135       | 7.90                        | 7.89                           | 7.89                         |                        |             |  |
| 50                | QPSK       | 1       | 268       | 7.95                        | 7.97                           | 7.87                         |                        |             |  |
| 50                | QPSK       | 135     | 0         | 7.98                        | 7.86                           | 7.97                         | 9.0                    | 0.0         |  |
| 50                | QPSK       | 135     | 68        | 8.00                        | 8.08                           | 7.97                         |                        |             |  |
| 50                | QPSK       | 135     | 135       | 7.89                        | 7.96                           | 7.90                         |                        |             |  |
| 50                | QPSK       | 270     | 0         | 7.90                        | 7.87                           | 7.95                         |                        |             |  |
| 50                | 16QAM      | 1       | 1         | 7.92                        | 7.91                           | 7.98                         | 9.0                    | 0.0         |  |
| 50                | 64QAM      | 1       | 1         | 7.90                        | 7.89                           | 7.94                         |                        |             |  |
| 50                | 256QAM     | 1       | 1         | 7.95                        | 7.98                           | 7.92                         |                        |             |  |
| Channel           |            |         |           | 504000                      | 507000                         | 510000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2520                        | 2535                           | 2550                         | (dBm)                  |             |  |
| 40                | P12 BPSK   | 1       | 1         | 7.88                        | 7.90                           | 7.89                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 503500                      | 507000                         | 510500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2517.5                      | 2535                           | 2552.5                       | (dBm)                  |             |  |
| 35                | P12 BPSK   | 1       | 1         | 7.92                        | 7.87                           | 7.93                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 503000                      | 507000                         | 511000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2515                        | 2535                           | 2555                         | (dBm)                  |             |  |
| 30                | P12 BPSK   | 1       | 1         | 7.95                        | 7.85                           | 7.87                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 502500                      | 507000                         | 511500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2512.5                      | 2535                           | 2557.5                       | (dBm)                  |             |  |
| 25                | P12 BPSK   | 1       | 1         | 7.97                        | 7.87                           | 7.91                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 502000                      | 507000                         | 512000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2510                        | 2535                           | 2560                         | (dBm)                  |             |  |
| 20                | P12 BPSK   | 1       | 1         | 7.85                        | 7.93                           | 7.93                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 501500                      | 507000                         | 512500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2507.5                      | 2535                           | 2562.5                       | (dBm)                  |             |  |
| 15                | P12 BPSK   | 1       | 1         | 7.92                        | 7.85                           | 7.89                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 501000                      | 507000                         | 513000                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2505                        | 2535                           | 2565                         | (dBm)                  |             |  |
| 10                | P12 BPSK   | 1       | 1         | 7.85                        | 7.92                           | 7.90                         | 9.0                    | 0.0         |  |
| Channel           |            |         |           | 500500                      | 507000                         | 513500                       | Tune-up limit          | MPR         |  |
| Frequency (MHz)   |            |         |           | 2502.5                      | 2535                           | 2567.5                       | (dBm)                  |             |  |
| 5                 | P12 BPSK   | 1       | 1         | 7.85                        | 7.89                           | 7.91                         | 9.0                    | 0.0         |  |



| FR1 n78_Ant 2(NSA)          |            |         |           |                          |                             |                           |                        |             |
|-----------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| FCC Part 27O (3700-3800MHz) |            |         |           |                          |                             |                           |                        |             |
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel                     |            |         |           | 650000                   |                             |                           |                        |             |
| Frequency (MHz)             |            |         |           | 3750                     |                             |                           |                        |             |
| 100                         | PI2 BPSK   | 1       | 1         | 16.29                    | 16.28                       |                           | 17.0                   | 0.0         |
| 100                         | PI2 BPSK   | 1       | 137       | 16.31                    | 16.31                       |                           |                        |             |
| 100                         | PI2 BPSK   | 1       | 271       | 16.26                    | 16.26                       |                           |                        |             |
| 100                         | PI2 BPSK   | 135     | 0         | 16.24                    | 16.24                       |                           |                        |             |
| 100                         | PI2 BPSK   | 135     | 69        | 16.28                    | 16.28                       |                           | 17.0                   | 0.0         |
| 100                         | PI2 BPSK   | 135     | 138       | 16.20                    | 16.20                       |                           | 17.0                   | 0.0         |
| 100                         | PI2 BPSK   | 270     | 0         | 16.28                    | 16.28                       |                           |                        |             |
| 100                         | QPSK       | 1       | 1         | 16.36                    | 16.36                       |                           |                        |             |
| 100                         | QPSK       | 1       | 137       | 16.31                    | 16.31                       |                           | 17.0                   | 0.0         |
| 100                         | QPSK       | 1       | 271       | 16.24                    | 16.24                       |                           |                        |             |
| 100                         | QPSK       | 135     | 0         | 16.27                    | 16.27                       |                           |                        |             |
| 100                         | QPSK       | 135     | 69        | 16.34                    | 16.34                       |                           | 17.0                   | 0.0         |
| 100                         | QPSK       | 135     | 138       | 16.28                    | 16.28                       |                           | 17.0                   | 0.0         |
| 100                         | QPSK       | 270     | 0         | 16.32                    | 16.32                       |                           | 17.0                   | 0.0         |
| 100                         | 16QAM      | 1       | 1         | 16.28                    | 16.28                       |                           | 17.0                   | 0.0         |
| 100                         | 64QAM      | 1       | 1         | 16.26                    | 16.26                       |                           | 17.0                   | 0.0         |
| 100                         | 256QAM     | 1       | 1         | 16.27                    | 16.27                       |                           | 17.0                   | 0.0         |
| Channel                     |            |         |           | 646668                   | 650000                      | 650332                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3745.02                  | 3750                        | 3754.98                   | (dBm)                  | (dB)        |
| 90                          | QPSK       | 1       | 1         | 16.17                    | 16.28                       | 16.25                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 649334                   | 650000                      | 650666                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3740.01                  | 3750                        | 3759.99                   | (dBm)                  | (dB)        |
| 80                          | QPSK       | 1       | 1         | 16.20                    | 16.24                       | 16.15                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 648000                   | 650000                      | 651000                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3735                     | 3750                        | 3765                      | (dBm)                  | (dB)        |
| 70                          | QPSK       | 1       | 1         | 16.18                    | 16.25                       | 16.19                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 646668                   | 650000                      | 651332                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3740.02                  | 3750                        | 3765.98                   | (dBm)                  | (dB)        |
| 60                          | QPSK       | 1       | 1         | 16.18                    | 16.28                       | 16.22                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 648334                   | 650000                      | 651666                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3725.01                  | 3750                        | 3774.99                   | (dBm)                  | (dB)        |
| 50                          | QPSK       | 1       | 1         | 16.24                    | 16.26                       | 16.24                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 648000                   | 650000                      | 652000                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3720                     | 3750                        | 3780                      | (dBm)                  | (dB)        |
| 40                          | QPSK       | 1       | 1         | 16.21                    | 16.24                       | 16.22                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 647668                   | 650000                      | 652332                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3715.02                  | 3750.00                     | 3784.98                   | (dBm)                  | (dB)        |
| 30                          | QPSK       | 1       | 1         | 16.24                    | 16.27                       | 16.16                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 647500                   | 650000                      | 652500                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3712.5                   | 3750.00                     | 3787.50                   | (dBm)                  | (dB)        |
| 25                          | QPSK       | 1       | 1         | 16.22                    | 16.24                       | 16.18                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 647334                   | 650000                      | 652666                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3710.01                  | 3750                        | 3789.99                   | (dBm)                  | (dB)        |
| 20                          | QPSK       | 1       | 1         | 16.27                    | 16.25                       | 16.24                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 647168                   | 650000                      | 652832                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3707.52                  | 3750                        | 3792.48                   | (dBm)                  | (dB)        |
| 15                          | QPSK       | 1       | 1         | 16.19                    | 16.30                       | 16.22                     | 17.0                   | 0.0         |
| Channel                     |            |         |           | 647000                   | 650000                      | 653000                    | Tune-up limit          | MPR         |
| Frequency (MHz)             |            |         |           | 3705                     | 3750                        | 3795                      | (dBm)                  | (dB)        |
| 10                          | QPSK       | 1       | 1         | 16.23                    | 16.20                       | 16.19                     | 17.0                   | 0.0         |

| FR1 n78_Ant 2(NSA)          |            |         |           |                       |                          |                        |                     |          |
|-----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| FCC Part 27Q (3450-3550MHz) |            |         |           |                       |                          |                        |                     |          |
| BW [MHz]                    | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                     |            |         |           | 633332                |                          |                        | 17.0                | 0.0      |
| Frequency (MHz)             |            |         |           | 3499.98               |                          |                        |                     |          |
| 100                         | PI2 BPSK   | 1       | 1         | 16.03                 | 16.03                    | 16.03                  | 17.0                | 0.0      |
| 100                         | PI2 BPSK   | 1       | 137       | 16.07                 | 16.03                    | 16.03                  |                     |          |
| 100                         | PI2 BPSK   | 1       | 271       | 16.03                 | 16.03                    | 16.03                  |                     |          |
| 100                         | PI2 BPSK   | 135     | 0         | 16.12                 | 16.03                    | 16.12                  |                     |          |
| 100                         | PI2 BPSK   | 135     | 69        | 16.08                 | 16.08                    | 16.08                  | 17.0                | 0.0      |
| 100                         | PI2 BPSK   | 135     | 138       | 16.04                 | 16.08                    | 16.04                  |                     |          |
| 100                         | PI2 BPSK   | 270     | 0         | 16.02                 | 16.08                    | 16.02                  |                     |          |
| 100                         | QPSK       | 1       | 1         | 16.17                 | 16.08                    | 16.17                  |                     |          |
| 100                         | QPSK       | 1       | 137       | 16.06                 | 16.06                    | 16.06                  | 17.0                | 0.0      |
| 100                         | QPSK       | 1       | 271       | 16.05                 | 16.06                    | 16.05                  |                     |          |
| 100                         | QPSK       | 135     | 0         | 16.06                 | 16.06                    | 16.06                  |                     |          |
| 100                         | QPSK       | 135     | 69        | 16.16                 | 16.06                    | 16.16                  | 17.0                | 0.0      |
| 100                         | QPSK       | 135     | 138       | 16.03                 | 16.03                    | 16.03                  |                     |          |
| 100                         | QPSK       | 270     | 0         | 16.12                 | 16.03                    | 16.12                  |                     |          |
| 100                         | 16QAM      | 1       | 1         | 16.10                 | 16.10                    | 16.10                  | 17.0                | 0.0      |
| 100                         | 64QAM      | 1       | 1         | 16.11                 | 16.11                    | 16.11                  |                     |          |
| 100                         | 256QAM     | 1       | 1         | 16.12                 | 16.11                    | 16.12                  |                     |          |
| Channel                     |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3495                  | 3499.98                  | 3504.99                | (dBm)               | (dB)     |
| 90                          | QPSK       | 1       | 1         | 16.02                 | 16.06                    | 16.01                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3490.02               | 3499.98                  | 3510                   | (dBm)               | (dB)     |
| 80                          | QPSK       | 1       | 1         | 15.99                 | 16.12                    | 15.97                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3485.01               | 3499.98                  | 3514.98                | (dBm)               | (dB)     |
| 70                          | QPSK       | 1       | 1         | 16.07                 | 16.08                    | 16.05                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3480                  | 3499.98                  | 3516.98                | (dBm)               | (dB)     |
| 60                          | QPSK       | 1       | 1         | 16.05                 | 16.08                    | 16.04                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3475.02               | 3499.98                  | 3525                   | (dBm)               | (dB)     |
| 50                          | QPSK       | 1       | 1         | 16.10                 | 16.07                    | 15.99                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3470.01               | 3499.98                  | 3529.98                | (dBm)               | (dB)     |
| 40                          | QPSK       | 1       | 1         | 16.10                 | 16.09                    | 16.08                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3465                  | 3499.98                  | 3534.99                | (dBm)               | (dB)     |
| 30                          | QPSK       | 1       | 1         | 16.07                 | 16.09                    | 16.06                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3460.01               | 3499.98                  | 3534.98                | (dBm)               | (dB)     |
| 25                          | QPSK       | 1       | 1         | 16.08                 | 16.01                    | 16.05                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3455.01               | 3499.98                  | 3544.98                | (dBm)               | (dB)     |
| 20                          | QPSK       | 1       | 1         | 16.08                 | 16.10                    | 16.00                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 630000                | 633332                   | 636666                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3450                  | 3499.98                  | 3542.49                | (dBm)               | (dB)     |
| 15                          | QPSK       | 1       | 1         | 16.00                 | 16.06                    | 16.04                  | 17.0                | 0.0      |
| Channel                     |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit       | MPR      |
| Frequency (MHz)             |            |         |           | 3455.01               | 3499.98                  | 3544.98                | (dBm)               | (dB)     |
| 10                          | QPSK       | 1       | 1         | 16.09                 | 16.09                    | 16.06                  | 17.0                | 0.0      |

| FR1 n78_Ant 2(NSA)         |            |         |           |                             |                                |                              |                        |             |
|----------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| FCC Part 96 (3550-3700MHz) |            |         |           |                             |                                |                              |                        |             |
| 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                    |            |         |           | 640000                      | 641666                         | 643332                       |                        |             |
| Frequency (MHz)            |            |         |           | 3500                        | 3524.99                        | 3549.98                      |                        |             |
| 100                        | PI/2 BPSK  | 1       | 1         | 15.99                       | 16.07                          | 16.04                        | 17.0                   | 0.0         |
| 100                        | PI/2 BPSK  | 1       | 137       | 15.99                       | 15.99                          | 16.00                        |                        |             |
| 100                        | PI/2 BPSK  | 1       | 271       | 16.02                       | 15.99                          | 15.94                        |                        |             |
| 100                        | PI/2 BPSK  | 135     | 0         | 15.95                       | 15.98                          | 16.00                        | 17.0                   | 0.0         |
| 100                        | PI/2 BPSK  | 135     | 69        | 15.02                       | 15.08                          | 15.99                        | 17.0                   | 0.0         |
| 100                        | PI/2 BPSK  | 135     | 138       | 15.95                       | 15.98                          | 15.98                        | 17.0                   | 0.0         |
| 100                        | PI/2 BPSK  | 270     | 0         | 15.95                       | 16.07                          | 16.00                        |                        |             |
| 100                        | QPSK       | 1       | 1         | 16.11                       | 16.13                          | 16.10                        | 17.0                   | 0.0         |
| 100                        | QPSK       | 1       | 137       | 15.98                       | 16.02                          | 15.99                        |                        |             |
| 100                        | QPSK       | 1       | 271       | 15.97                       | 15.98                          | 15.99                        |                        |             |
| 100                        | QPSK       | 135     | 0         | 16.01                       | 15.99                          | 16.05                        | 17.0                   | 0.0         |
| 100                        | QPSK       | 135     | 69        | 16.08                       | 16.10                          | 16.07                        | 17.0                   | 0.0         |
| 100                        | QPSK       | 135     | 138       | 15.97                       | 16.08                          | 16.01                        | 17.0                   | 0.0         |
| 100                        | QPSK       | 270     | 0         | 16.06                       | 16.08                          | 16.05                        |                        |             |
| 100                        | 16QAM      | 1       | 1         | 15.97                       | 16.00                          | 15.98                        | 17.0                   | 0.0         |
| 100                        | 64QAM      | 1       | 1         | 15.95                       | 15.98                          | 16.05                        | 17.0                   | 0.0         |
| 100                        | 256QAM     | 1       | 1         | 15.97                       | 15.98                          | 16.01                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 639668                      | 641666                         | 643666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3595.02                     | 3624.99                        | 3654.99                      | (dBm)                  | (dB)        |
| 90                         | QPSK       | 1       | 1         | 15.99                       | 16.09                          | 16.02                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 639334                      | 641666                         | 644000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3590.01                     | 3624.99                        | 3660                         | (dBm)                  | (dB)        |
| 80                         | QPSK       | 1       | 1         | 16.02                       | 16.02                          | 15.99                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 639000                      | 641666                         | 644332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3585                        | 3624.99                        | 3664.98                      | (dBm)                  | (dB)        |
| 70                         | QPSK       | 1       | 1         | 15.99                       | 15.98                          | 15.94                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 638666                      | 641666                         | 644666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3580.02                     | 3624.99                        | 3669.98                      | (dBm)                  | (dB)        |
| 60                         | QPSK       | 1       | 1         | 16.03                       | 15.99                          | 16.03                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 638334                      | 641666                         | 645000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3575.01                     | 3624.99                        | 3675                         | (dBm)                  | (dB)        |
| 50                         | QPSK       | 1       | 1         | 16.04                       | 15.98                          | 15.95                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 638000                      | 641666                         | 645332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3570                        | 3624.99                        | 3678.98                      | (dBm)                  | (dB)        |
| 40                         | QPSK       | 1       | 1         | 16.04                       | 16.04                          | 15.95                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 637668                      | 641666                         | 645666                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3565.02                     | 3624.99                        | 3684.99                      | (dBm)                  | (dB)        |
| 30                         | QPSK       | 1       | 1         | 15.96                       | 15.97                          | 16.01                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 637330                      | 641666                         | 645998                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3562.5                      | 3624.99                        | 3687.48                      | (dBm)                  | (dB)        |
| 25                         | QPSK       | 1       | 1         | 16.00                       | 15.99                          | 16.04                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 637334                      | 641666                         | 646000                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3560.01                     | 3624.99                        | 3690                         | (dBm)                  | (dB)        |
| 20                         | QPSK       | 1       | 1         | 15.97                       | 15.97                          | 15.95                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 637168                      | 641666                         | 646168                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3557.52                     | 3624.99                        | 3692.49                      | (dBm)                  | (dB)        |
| 15                         | QPSK       | 1       | 1         | 15.99                       | 16.03                          | 16.00                        | 17.0                   | 0.0         |
| Channel                    |            |         |           | 637000                      | 641666                         | 646332                       | Tune-up limit          | MPR         |
| Frequency (MHz)            |            |         |           | 3555                        | 3624.99                        | 3694.98                      | (dBm)                  | (dB)        |
| 10                         | QPSK       | 1       | 1         | 16.01                       | 16.00                          | 15.99                        | 17.0                   | 0.0         |

## Bluetooth/WLAN Power

<WLAN 2.4GHz FCC>

| 2.4GHz WLAN |                   |         | Full Power      |                     | Receiver on Standalone |                     | Receiver on Simultaneous |                     | Receiver off Standalone |                     | Receiver off Simultaneous |                     | Hotspot on    |                     | Duty Cycle %  |
|-------------|-------------------|---------|-----------------|---------------------|------------------------|---------------------|--------------------------|---------------------|-------------------------|---------------------|---------------------------|---------------------|---------------|---------------------|---------------|
|             |                   |         | Act 1           | Act 2               | Act 1                  | Act 2               | Act 1                    | Act 2               | Act 1                   | Act 2               | Act 1                     | Act 2               | Act 1         | Act 2               |               |
| 2.4GHz WLAN | 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 |
|             | 802.11b 1Mbps     | 1       | 2412            | 17.90               | 18.50                  | 17.90               | 18.50                    | 10.80               | 11.50                   | 17.90               | 18.50                     | 11.80               | 12.50         | 15.30               | 16.00         |
|             |                   | 6       | 2437            | 17.70               | 18.50                  | 17.70               | 18.50                    | 10.60               | 11.00                   | 17.70               | 18.50                     | 11.60               | 12.50         | 15.10               | 16.00         |
|             | 802.11g 6Mbps     | 1       | 2412            | 17.10               | 18.00                  | 17.10               | 18.00                    | 9.50                | 10.00                   | 17.10               | 18.00                     | 10.00               | 11.00         | 14.00               | 15.00         |
|             |                   | 6       | 2437            | 17.30               | 18.00                  | 17.30               | 18.00                    | 9.70                | 10.50                   | 17.30               | 18.00                     | 10.20               | 11.00         | 14.20               | 15.00         |
|             | 802.11n-HT20 MCS0 | 1       | 2412            | 17.30               | 18.00                  | 17.30               | 18.00                    | 9.70                | 10.50                   | 17.30               | 18.00                     | 10.20               | 11.00         | 14.20               | 15.00         |
|             |                   | 6       | 2437            | 17.40               | 18.00                  | 17.40               | 18.00                    | 9.80                | 10.50                   | 17.40               | 18.00                     | 10.30               | 11.00         | 14.30               | 15.00         |
|             | 802.11n-HT40 MCS0 | 1       | 2412            | 17.50               | 18.00                  | 17.50               | 18.00                    | 9.90                | 10.50                   | 17.50               | 18.00                     | 10.40               | 11.00         | 14.40               | 15.00         |
|             |                   | 3       | 2422            | 16.50               | 17.00                  | 16.50               | 17.00                    | 9.40                | 10.00                   | 16.50               | 17.00                     | 10.40               | 11.00         | 13.90               | 14.50         |
|             |                   | 6       | 2437            | 16.30               | 17.00                  | 16.30               | 17.00                    | 9.20                | 10.00                   | 16.30               | 17.00                     | 10.20               | 11.00         | 13.70               | 14.50         |
|             |                   | 9       | 2452            | 16.60               | 17.00                  | 16.60               | 17.00                    | 9.50                | 10.00                   | 16.60               | 17.00                     | 10.50               | 11.00         | 14.00               | 14.50         |

<WLAN 5GHz FCC>

| 5.2GHz WLAN |                     |         | Full Power      |                     | Receiver on Standalone |                     | Receiver on Simultaneous |                     | Receiver off Standalone |                     | Receiver off Simultaneous |                     | Hotspot on    |                     | Duty Cycle %  |
|-------------|---------------------|---------|-----------------|---------------------|------------------------|---------------------|--------------------------|---------------------|-------------------------|---------------------|---------------------------|---------------------|---------------|---------------------|---------------|
|             |                     |         | Act 1           | Act 2               | Act 1                  | Act 2               | Act 1                    | Act 2               | Act 1                   | Act 2               | Act 1                     | Act 2               | Act 1         | Act 2               |               |
| 5.2GHz WLAN | 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 |
|             | 802.11a 6Mbps       | 36      | 5180            | 19.22               | 19.30                  | 13.17               | 15.00                    | 8.65                | 10.50                   | 16.22               | 18.00                     | 9.62                | 11.50         | 12.12               | 14.00         |
|             |                     | 40      | 5200            | 16.21               | 18.00                  | 13.15               | 15.00                    | 8.68                | 10.50                   | 16.21               | 18.00                     | 9.63                | 11.50         | 12.15               | 14.00         |
|             |                     | 44      | 5220            | 16.71               | 18.00                  | 13.66               | 15.00                    | 9.12                | 10.50                   | 16.71               | 18.00                     | 10.11               | 11.50         | 12.64               | 14.00         |
|             |                     | 48      | 5240            | 16.65               | 18.00                  | 13.58               | 15.00                    | 9.09                | 10.50                   | 16.65               | 18.00                     | 10.09               | 11.50         | 12.56               | 14.00         |
|             | 802.11n-HT20 MCS0   | 36      | 5180            | 16.43               | 18.00                  | 13.36               | 15.00                    | 7.35                | 9.00                    | 16.43               | 18.00                     | 8.84                | 10.50         | 11.33               | 13.00         |
|             |                     | 40      | 5200            | 16.34               | 18.00                  | 13.26               | 15.00                    | 7.26                | 9.00                    | 16.34               | 18.00                     | 8.75                | 10.50         | 11.27               | 13.00         |
|             |                     | 44      | 5220            | 16.02               | 18.00                  | 13.00               | 15.00                    | 7.97                | 9.00                    | 16.02               | 18.00                     | 9.42                | 10.50         | 11.14               | 13.00         |
|             |                     | 48      | 5240            | 16.44               | 18.00                  | 13.39               | 15.00                    | 7.35                | 9.00                    | 16.44               | 18.00                     | 8.86                | 10.50         | 11.34               | 13.00         |
|             | 802.11n-HT40 MCS0   | 38      | 5190            | 15.55               | 17.00                  | 12.45               | 14.00                    | 7.46                | 9.00                    | 15.55               | 17.00                     | 8.50                | 10.00         | 10.47               | 12.00         |
|             |                     | 46      | 5230            | 15.50               | 17.00                  | 12.40               | 14.00                    | 7.41                | 9.00                    | 15.50               | 17.00                     | 8.42                | 10.00         | 10.40               | 12.00         |
|             |                     | 36      | 5180            | 15.35               | 17.00                  | 12.30               | 14.00                    | 7.25                | 9.00                    | 15.35               | 17.00                     | 8.77                | 10.50         | 11.28               | 13.00         |
|             |                     | 40      | 5200            | 15.25               | 17.00                  | 12.18               | 14.00                    | 7.17                | 9.00                    | 15.25               | 17.00                     | 8.65                | 10.50         | 11.17               | 13.00         |
|             | 802.11ac-VHT20 MCS0 | 44      | 5220            | 15.95               | 17.00                  | 12.80               | 14.00                    | 7.88                | 9.00                    | 15.95               | 17.00                     | 9.38                | 10.50         | 11.98               | 13.00         |
|             |                     | 48      | 5240            | 15.34               | 17.00                  | 12.29               | 14.00                    | 7.28                | 9.00                    | 15.34               | 17.00                     | 8.77                | 10.50         | 11.28               | 13.00         |
|             | 802.11ac-VHT40 MCS0 | 38      | 5190            | 14.48               | 16.00                  | 11.40               | 13.00                    | 7.44                | 9.00                    | 14.48               | 16.00                     | 8.34                | 10.00         | 10.39               | 12.00         |
|             |                     | 46      | 5230            | 14.43               | 16.00                  | 11.34               | 13.00                    | 7.34                | 9.00                    | 14.43               | 16.00                     | 8.28                | 10.00         | 10.35               | 12.00         |
|             | 802.11ac-VHT80 MCS0 | 42      | 5210            | 13.39               | 15.00                  | 10.31               | 12.00                    | 7.33                | 9.00                    | 13.39               | 15.00                     | 8.26                | 10.00         | 10.30               | 12.00         |
|             |                     |         |                 |                     |                        |                     |                          |                     |                         |                     |                           |                     |               |                     | 90.32         |

| 5.3GHz WLAN |                     |         | Full Power      |                     | Receiver on Standalone |                     | Receiver on Simultaneous |                     | Receiver off Standalone |                     | Receiver off Simultaneous |                     | Hotspot on    |                     | Duty Cycle %  |
|-------------|---------------------|---------|-----------------|---------------------|------------------------|---------------------|--------------------------|---------------------|-------------------------|---------------------|---------------------------|---------------------|---------------|---------------------|---------------|
|             |                     |         | Act 1           | Act 2               | Act 1                  | Act 2               | Act 1                    | Act 2               | Act 1                   | Act 2               | Act 1                     | Act 2               | Act 1         | Act 2               |               |
| 5.3GHz WLAN | 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 |
|             | 802.11a 6Mbps       | 52      | 5260            | 16.12               | 18.00                  | 13.03               | 15.00                    | 8.57                | 10.50                   | 16.12               | 18.00                     | 9.57                | 11.50         |                     |               |
|             |                     | 56      | 5280            | 16.11               | 18.00                  | 13.02               | 15.00                    | 8.56                | 10.50                   | 16.11               | 18.00                     | 9.61                | 11.50         |                     |               |
|             |                     | 60      | 5300            | 16.22               | 18.00                  | 13.16               | 15.00                    | 8.67                | 10.50                   | 16.22               | 18.00                     | 9.67                | 11.50         |                     |               |
|             |                     | 64      | 5320            | 16.24               | 18.00                  | 13.17               | 15.00                    | 8.69                | 10.50                   | 16.24               | 18.00                     | 9.67                | 11.50         |                     |               |
|             | 802.11n-HT20 MCS0   | 52      | 5260            | 16.04               | 18.00                  | 13.03               | 15.00                    | 7.02                | 9.00                    | 16.04               | 18.00                     | 8.55                | 10.50         |                     |               |
|             |                     | 56      | 5280            | 16.03               | 18.00                  | 13.05               | 15.00                    | 7.01                | 9.00                    | 16.03               | 18.00                     | 8.55                | 10.50         |                     |               |
|             |                     | 60      | 5300            | 16.14               | 18.00                  | 13.06               | 15.00                    | 7.08                | 9.00                    | 16.14               | 18.00                     | 8.59                | 10.50         |                     |               |
|             |                     | 64      | 5320            | 16.12               | 18.00                  | 13.05               | 15.00                    | 7.04                | 9.00                    | 16.12               | 18.00                     | 8.57                | 10.50         |                     |               |
|             | 802.11n-HT40 MCS0   | 54      | 5270            | 15.08               | 17.00                  | 12.02               | 14.00                    | 7.01                | 9.00                    | 15.08               | 17.00                     | 8.04                | 10.00         |                     |               |
|             |                     | 62      | 5310            | 15.13               | 17.00                  | 12.07               | 14.00                    | 7.04                | 9.00                    | 15.13               | 17.00                     | 8.09                | 10.00         |                     |               |
|             |                     | 52      | 5260            | 15.08               | 17.00                  | 12.05               | 14.00                    | 7.01                | 9.00                    | 15.08               | 17.00                     | 8.51                | 10.50         |                     |               |
|             |                     | 56      | 5280            | 15.06               | 17.00                  | 12.03               | 14.00                    | 7.02                | 9.00                    | 15.06               | 17.00                     | 8.57                | 10.50         |                     |               |
|             | 802.11ac-VHT20 MCS0 | 60      | 5300            | 15.05               | 17.00                  | 12.09               | 14.00                    | 7.08                | 9.00                    | 15.05               | 17.00                     | 8.58                | 10.50         |                     |               |
|             |                     | 64      | 5320            | 15.07               | 17.00                  | 12.01               | 14.00                    | 7.00                | 9.00                    | 15.07               | 17.00                     | 8.50                | 10.50         |                     |               |
|             | 802.11ac-VHT40 MCS0 | 54      | 5270            | 14.02               | 16.00                  | 11.02               | 13.00                    | 7.02                | 9.00                    | 14.02               | 16.00                     | 8.03                | 10.00         |                     |               |
|             |                     | 62      | 5310            | 14.04               | 16.00                  | 11.03               | 13.00                    | 7.04                | 9.00                    | 14.04               | 16.00                     | 8.09                | 10.00         |                     |               |
|             | 802.11ac-VHT80 MCS0 | 58      | 5290            | 12.95               | 14.00                  | 9.90                | 11.00                    | 6.87                | 8.00                    | 12.95               | 14.00                     | 7.92                | 9.00          |                     |               |
|             |                     |         |                 |                     |                        |                     |                          |                     |                         |                     |                           |                     |               |                     | 90.32         |

| 5.5GHz WLAN         |                   |                 | Full Power          |               | Receiver on Standalone |               | Receiver on Simultaneous |               | Receiver off Standalone |               | Receiver off Simultaneous |               | Duty Cycle % |                     |               |
|---------------------|-------------------|-----------------|---------------------|---------------|------------------------|---------------|--------------------------|---------------|-------------------------|---------------|---------------------------|---------------|--------------|---------------------|---------------|
|                     |                   |                 | Act 1               |               | Act 2                  |               | Act 1                    |               | Act 2                   |               | Act 1                     |               |              | Act 2               |               |
| 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 |
| 5.5GHz WLAN         | 802.11a 6Mbps     | 100             | 5500                | 16.56         | 18.00                  | 13.48         | 15.00                    | 8.98          | 10.50                   | 16.56         | 18.00                     | 10.02         | 11.50        |                     |               |
|                     |                   | 116             | 5580                | 16.51         | 18.00                  | 13.44         | 15.00                    | 8.93          | 10.50                   | 16.51         | 18.00                     | 9.95          | 11.50        |                     |               |
|                     |                   | 124             | 5620                | 16.50         | 18.00                  | 13.41         | 15.00                    | 8.93          | 10.50                   | 16.50         | 18.00                     | 9.97          | 11.50        |                     |               |
|                     |                   | 132             | 5660                | 16.72         | 18.00                  | 13.67         | 15.00                    | 9.17          | 10.50                   | 16.72         | 18.00                     | 10.19         | 11.50        |                     |               |
|                     |                   | 140             | 5700                | 17.12         | 18.00                  | 14.02         | 15.00                    | 9.53          | 10.50                   | 17.12         | 18.00                     | 10.55         | 11.50        |                     |               |
|                     |                   | 144             | 5720                | 17.24         | 18.00                  | 14.15         | 15.00                    | 9.68          | 10.50                   | 17.24         | 18.00                     | 10.69         | 11.50        |                     |               |
|                     |                   | 150             | 5750                | 16.46         | 18.00                  | 13.40         | 15.00                    | 7.37          | 9.00                    | 16.46         | 18.00                     | 8.89          | 10.50        |                     |               |
|                     |                   | 116             | 5580                | 16.44         | 18.00                  | 13.34         | 15.00                    | 7.35          | 9.00                    | 16.44         | 18.00                     | 8.89          | 10.50        |                     |               |
|                     | 802.11n-HT20 MCS0 | 124             | 5620                | 16.41         | 18.00                  | 13.36         | 15.00                    | 7.31          | 9.00                    | 16.41         | 18.00                     | 8.84          | 10.50        |                     |               |
|                     |                   | 132             | 5660                | 16.78         | 18.00                  | 13.70         | 15.00                    | 7.73          | 9.00                    | 16.78         | 18.00                     | 9.26          | 10.50        |                     |               |
|                     |                   | 140             | 5700                | 17.23         | 18.00                  | 14.15         | 15.00                    | 8.13          | 9.00                    | 17.23         | 18.00                     | 9.66          | 10.50        |                     |               |
|                     |                   | 144             | 5720                | 17.26         | 18.00                  | 14.22         | 15.00                    | 8.22          | 9.00                    | 17.26         | 18.00                     | 9.74          | 10.50        |                     |               |
|                     |                   | 152             | 5710                | 15.56         | 17.00                  | 12.48         | 14.00                    | 7.51          | 9.00                    | 15.56         | 17.00                     | 8.54          | 10.00        |                     |               |
|                     |                   | 110             | 5550                | 15.45         | 17.00                  | 12.40         | 14.00                    | 7.36          | 9.00                    | 15.45         | 17.00                     | 8.36          | 10.00        |                     |               |
|                     |                   | 126             | 5630                | 15.52         | 17.00                  | 12.44         | 14.00                    | 7.43          | 9.00                    | 15.52         | 17.00                     | 8.45          | 10.00        |                     |               |
|                     |                   | 134             | 5670                | 16.24         | 17.00                  | 13.16         | 14.00                    | 8.16          | 9.00                    | 16.24         | 17.00                     | 9.16          | 10.00        |                     |               |
| 802.11n-HT40 MCS0   | 142               | 5710            | 16.43               | 17.00         | 13.33                  | 14.00         | 8.36                     | 9.00          | 16.43                   | 17.00         | 9.40                      | 10.00         |              |                     |               |
|                     | 150               | 5750            | 15.36               | 17.00         | 12.33                  | 14.00         | 7.32                     | 9.00          | 15.36                   | 17.00         | 8.85                      | 10.50         |              |                     |               |
|                     | 116               | 5580            | 15.39               | 17.00         | 12.31                  | 14.00         | 7.33                     | 9.00          | 15.39                   | 17.00         | 8.84                      | 10.50         |              |                     |               |
|                     | 124               | 5620            | 15.31               | 17.00         | 12.22                  | 14.00         | 7.26                     | 9.00          | 15.31                   | 17.00         | 8.78                      | 10.50         |              |                     |               |
|                     | 132               | 5660            | 15.72               | 17.00         | 12.62                  | 14.00         | 7.67                     | 9.00          | 15.72                   | 17.00         | 9.17                      | 10.50         |              |                     |               |
|                     | 140               | 5700            | 16.16               | 17.00         | 13.08                  | 14.00         | 8.11                     | 9.00          | 16.16                   | 17.00         | 9.61                      | 10.50         |              |                     |               |
|                     | 144               | 5720            | 16.19               | 17.00         | 13.14                  | 14.00         | 8.13                     | 9.00          | 16.17                   | 17.00         | 9.62                      | 10.50         |              |                     |               |
|                     | 150               | 5750            | 14.49               | 16.00         | 11.43                  | 13.00         | 7.39                     | 9.00          | 14.49                   | 16.00         | 8.42                      | 10.00         |              |                     |               |
| 802.11ac-VHT40 MCS0 | 110               | 5550            | 14.40               | 16.00         | 11.30                  | 13.00         | 7.32                     | 9.00          | 14.40                   | 16.00         | 8.33                      | 10.00         |              |                     |               |
|                     | 126               | 5630            | 14.47               | 16.00         | 11.41                  | 13.00         | 7.41                     | 9.00          | 14.47                   | 16.00         | 8.41                      | 10.00         |              |                     |               |
|                     | 134               | 5670            | 15.15               | 16.00         | 12.07                  | 13.00         | 8.07                     | 9.00          | 15.15                   | 16.00         | 9.12                      | 10.00         |              |                     |               |
|                     | 142               | 5710            | 15.37               | 16.00         | 12.27                  | 13.00         | 8.29                     | 9.00          | 15.37                   | 16.00         | 9.29                      | 10.00         |              |                     |               |
|                     | 150               | 5750            | 13.97               | 15.00         | 10.26                  | 12.00         | 7.68                     | 9.00          | 13.97                   | 15.00         | 8.26                      | 10.00         |              |                     |               |
|                     | 122               | 5610            | 13.42               | 15.00         | 10.36                  | 12.00         | 7.34                     | 9.00          | 13.42                   | 15.00         | 8.36                      | 10.00         |              |                     |               |
|                     | 138               | 5680            | 14.42               | 15.00         | 11.36                  | 12.00         | 8.33                     | 9.00          | 14.42                   | 15.00         | 9.36                      | 10.00         |              |                     |               |

| <Bluetooth FCC> |         |                 | Art. 7              |       |       |
|-----------------|---------|-----------------|---------------------|-------|-------|
| Mode            | Channel | Frequency (MHz) | Average power (dBm) |       |       |
|                 |         |                 | 1Mbps               | 2Mbps | 3Mbps |
| BR / EDR        | CH 00   | 2402            | 8.30                | 5.70  | 5.50  |
|                 | CH 39   | 2441            | 8.80                | 6.30  | 6.10  |
|                 | CH 76   | 2480            | 8.90                | 6.50  | 6.20  |
| Tune-up Limit   |         |                 | 9.5                 | 9     | 9     |

|               |         |                 | Ant 7               |       |
|---------------|---------|-----------------|---------------------|-------|
| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |
|               |         |                 | 1Mbps               | 2Mbps |
| LE            | CH 00   | 2402            | 0.00                | -0.10 |
|               | CH 19   | 2440            | 1.00                | 1.00  |
|               | CH 39   | 2480            | 0.70                | 0.70  |
| Tune-up Limit |         |                 | 2                   | 2     |