



REPORT No.: SZ23040130S01

Annex E Conducted Power

Note:

Conducted power unit: dBm.

The target power was recorded in the manufacture document.



Full Power

| Band | | WCDMA Band II (dBm) | | | Tune-up Limit (dBm) | WCDMA Band IV (dBm) | | | Tune-up Limit (dBm) | WCDMA Band V (dBm) | | | Tune-up Limit (dBm) |
|-----------------|-------------------------|---------------------|-------|--------|---------------------|---------------------|--------|-------|---------------------|--------------------|-------|-------|---------------------|
| TX Channel | | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | | 4132 | 4182 | 4233 | |
| Rx Channel | | 9662 | 9800 | 9938 | 1537 | 1638 | 1738 | 4357 | 4407 | 4458 | | | |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | 826.4 | 836.4 | 846.6 | | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 23.05 | 23.12 | 23.07 | 24.00 | 23.08 | 23.15 | 23.09 | 24.00 | 23.23 | 23.26 | 23.22 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 21.95 | 22.00 | 21.98 | 23.00 | 22.24 | 22.24 | 22.22 | 23.00 | 22.41 | 22.32 | 22.44 | 23.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 21.93 | 21.97 | 21.92 | 22.50 | 22.26 | 22.20 | 22.20 | 23.00 | 22.47 | 22.36 | 22.46 | 23.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 21.48 | 21.50 | 21.96 | 22.50 | 21.78 | 21.68 | 21.65 | 22.50 | 21.89 | 21.81 | 21.90 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 21.47 | 21.35 | 21.37 | 22.00 | 21.78 | 21.67 | 21.64 | 22.50 | 21.88 | 21.82 | 21.92 | 22.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 21.93 | 22.04 | 21.86 | 23.00 | 22.23 | 22.21 | 22.20 | 23.00 | 22.43 | 22.20 | 22.56 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 21.90 | 21.94 | 22.03 | 23.00 | 22.20 | 22.31 | 22.23 | 23.00 | 22.40 | 22.26 | 22.44 | 23.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 21.57 | 21.52 | 21.90 | 22.50 | 21.78 | 21.68 | 21.73 | 22.50 | 21.82 | 21.87 | 22.00 | 23.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 21.44 | 21.40 | 21.35 | 22.00 | 21.78 | 21.74 | 21.59 | 22.50 | 21.83 | 21.82 | 21.84 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 21.70 | 21.69 | 21.68 | 22.50 | 22.50 | 21.94 | 21.81 | 23.50 | 22.28 | 22.07 | 22.21 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 21.20 | 21.18 | 21.25 | 22.00 | 21.50 | 21.49 | 21.41 | 22.50 | 21.72 | 21.65 | 21.69 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 21.75 | 21.67 | 21.65 | 22.50 | 21.97 | 21.89 | 21.74 | 22.50 | 22.16 | 22.07 | 22.15 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 21.68 | 21.72 | 21.73 | 22.50 | 21.97 | 21.92 | 21.87 | 22.50 | 22.17 | 22.05 | 22.18 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 21.74 | 21.64 | 21.65 | 22.50 | 21.98 | 21.92 | 21.80 | 22.50 | 22.25 | 22.11 | 22.16 | 23.00 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 21.09 | 21.02 | 21.03 | 22.00 | 21.42 | 21.35 | 21.19 | 22.00 | 21.61 | 21.62 | 21.18 | 22.50 |
| Attenuator | | Cable Loss | | | | Cable Loss | | | | Cable Loss | | | |
| Mode | | Max. | | | 23.12 | Max. | | | 23.15 | Max. | | | 23.26 |



| Band 2 (1900MHz Band) (dBm) Part 24E | | | | | | | |
|---|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 18700 | 18900 | 19100 | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | |
| 20 | QPSK | 1 | 0 | 23.15 | 23.23 | 23.12 | 24 |
| 20 | QPSK | 1 | 49 | 23.04 | 23.09 | 23.06 | |
| 20 | QPSK | 1 | 99 | 23.11 | 23.15 | 23.13 | |
| 20 | QPSK | 50 | 0 | 22.22 | 22.35 | 22.27 | 23 |
| 20 | QPSK | 50 | 24 | 22.13 | 22.26 | 22.18 | |
| 20 | QPSK | 50 | 50 | 22.15 | 22.16 | 22.22 | |
| 20 | QPSK | 100 | 0 | 22.14 | 22.20 | 22.19 | 23 |
| 20 | 16QAM | 1 | 0 | 22.19 | 22.28 | 22.13 | |
| 20 | 16QAM | 1 | 49 | 22.08 | 22.18 | 22.20 | |
| 20 | 16QAM | 1 | 99 | 22.16 | 22.15 | 22.07 | 22 |
| 20 | 16QAM | 50 | 0 | 21.18 | 21.29 | 21.23 | |
| 20 | 16QAM | 50 | 24 | 21.17 | 21.16 | 21.10 | |
| 20 | 16QAM | 50 | 50 | 21.20 | 21.24 | 21.16 | 22 |
| 20 | 16QAM | 100 | 0 | 21.15 | 21.21 | 21.12 | |
| 20 | 64QAM | 1 | 0 | 21.14 | 21.26 | 21.15 | |
| 20 | 64QAM | 1 | 49 | 21.20 | 21.23 | 21.09 | 22 |
| 20 | 64QAM | 1 | 99 | 21.16 | 21.11 | 21.13 | |
| 20 | 64QAM | 50 | 0 | 20.31 | 20.37 | 20.33 | |
| 20 | 64QAM | 50 | 24 | 20.19 | 20.27 | 20.30 | 21 |
| 20 | 64QAM | 50 | 50 | 20.15 | 20.18 | 20.14 | |
| 20 | 64QAM | 100 | 0 | 20.23 | 20.25 | 20.21 | |
| Channel | | | | 18675 | 18900 | 19125 | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | |
| 15 | QPSK | 1 | 0 | 23.07 | 23.20 | 23.08 | 24 |
| 15 | QPSK | 1 | 37 | 23.12 | 23.08 | 23.07 | |
| 15 | QPSK | 1 | 74 | 23.06 | 23.09 | 23.11 | |
| 15 | QPSK | 36 | 0 | 22.05 | 22.31 | 22.30 | 23 |
| 15 | QPSK | 36 | 20 | 22.11 | 22.23 | 22.21 | |
| 15 | QPSK | 36 | 39 | 22.15 | 22.11 | 22.29 | |
| 15 | QPSK | 75 | 0 | 22.08 | 22.12 | 22.03 | 23 |
| 15 | 16QAM | 1 | 0 | 22.23 | 22.28 | 22.15 | |
| 15 | 16QAM | 1 | 37 | 22.16 | 22.05 | 22.27 | |
| 15 | 16QAM | 1 | 74 | 22.17 | 22.27 | 22.06 | 22 |
| 15 | 16QAM | 36 | 0 | 20.98 | 21.12 | 21.22 | |
| 15 | 16QAM | 36 | 20 | 21.16 | 21.00 | 20.96 | |
| 15 | 16QAM | 36 | 39 | 21.01 | 21.28 | 21.16 | 22 |
| 15 | 16QAM | 75 | 0 | 21.27 | 21.22 | 21.00 | |
| 15 | 64QAM | 1 | 0 | 21.09 | 21.34 | 21.20 | |
| 15 | 64QAM | 1 | 37 | 21.24 | 21.25 | 21.06 | 22 |
| 15 | 64QAM | 1 | 74 | 21.21 | 21.01 | 21.04 | |
| 15 | 64QAM | 36 | 0 | 20.21 | 20.32 | 20.12 | |
| 15 | 64QAM | 36 | 20 | 20.17 | 20.21 | 20.38 | 21 |
| 15 | 64QAM | 36 | 39 | 20.06 | 20.18 | 20.23 | |
| 15 | 64QAM | 75 | 0 | 20.11 | 20.25 | 20.16 | |
| Channel | | | | 18650 | 18900 | 19150 | |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | |
| 10 | QPSK | 1 | 0 | 23.16 | 23.18 | 23.03 | 24 |
| 10 | QPSK | 1 | 25 | 23.05 | 23.17 | 23.12 | |
| 10 | QPSK | 1 | 49 | 23.11 | 23.12 | 23.06 | |
| 10 | QPSK | 25 | 0 | 22.06 | 22.18 | 22.30 | 23 |
| 10 | QPSK | 25 | 12 | 22.05 | 22.18 | 22.27 | |
| 10 | QPSK | 25 | 25 | 22.05 | 22.24 | 22.06 | |
| 10 | QPSK | 50 | 0 | 22.20 | 22.27 | 22.27 | 23 |
| 10 | 16QAM | 1 | 0 | 22.11 | 22.33 | 22.20 | |
| 10 | 16QAM | 1 | 25 | 22.13 | 22.09 | 22.34 | |
| 10 | 16QAM | 1 | 49 | 22.12 | 22.19 | 22.13 | 22 |
| 10 | 16QAM | 25 | 0 | 21.08 | 21.15 | 21.28 | |
| 10 | 16QAM | 25 | 12 | 21.27 | 21.25 | 21.09 | |
| 10 | 16QAM | 25 | 25 | 21.15 | 21.25 | 21.15 | 22 |
| 10 | 16QAM | 50 | 0 | 21.20 | 21.33 | 21.15 | |
| 10 | 64QAM | 1 | 0 | 21.29 | 21.08 | 21.24 | |
| 10 | 64QAM | 1 | 25 | 21.17 | 21.07 | 21.08 | 22 |
| 10 | 64QAM | 1 | 49 | 21.26 | 21.00 | 21.13 | |
| 10 | 64QAM | 25 | 0 | 20.43 | 20.34 | 20.22 | |
| 10 | 64QAM | 25 | 12 | 20.13 | 20.21 | 20.30 | 21 |
| 10 | 64QAM | 25 | 25 | 20.08 | 20.15 | 20.21 | |
| 10 | 64QAM | 50 | 0 | 20.20 | 20.28 | 20.08 | |
| Channel | | | | 18625 | 18900 | 19175 | |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | |
| 5 | QPSK | 1 | 0 | 23.15 | 23.18 | 23.16 | 24 |
| 5 | QPSK | 1 | 12 | 23.06 | 23.15 | 23.14 | |
| 5 | QPSK | 1 | 24 | 23.12 | 23.15 | 23.16 | |
| 5 | QPSK | 12 | 0 | 22.17 | 22.24 | 22.08 | 23 |
| 5 | QPSK | 12 | 7 | 22.09 | 22.23 | 22.02 | |
| 5 | QPSK | 12 | 13 | 22.14 | 22.02 | 22.06 | |
| 5 | QPSK | 25 | 0 | 22.12 | 22.31 | 22.19 | 23 |
| 5 | 16QAM | 1 | 0 | 22.06 | 22.24 | 22.07 | |
| 5 | 16QAM | 1 | 12 | 22.09 | 22.19 | 22.30 | |
| 5 | 16QAM | 1 | 24 | 22.28 | 22.24 | 21.99 | 22 |
| 5 | 16QAM | 12 | 0 | 21.24 | 21.14 | 21.09 | |
| 5 | 16QAM | 12 | 7 | 21.03 | 21.04 | 21.08 | |
| 5 | 16QAM | 12 | 13 | 21.24 | 21.34 | 21.02 | 22 |
| 5 | 16QAM | 25 | 0 | 21.20 | 21.26 | 21.16 | |
| 5 | 64QAM | 1 | 0 | 21.11 | 21.28 | 21.05 | |
| 5 | 64QAM | 1 | 12 | 21.13 | 21.05 | 21.09 | 22 |
| 5 | 64QAM | 1 | 24 | 21.23 | 21.13 | 21.11 | |
| 5 | 64QAM | 12 | 0 | 20.13 | 20.22 | 20.26 | |
| 5 | 64QAM | 12 | 7 | 20.10 | 20.14 | 20.22 | 21 |
| 5 | 64QAM | 12 | 13 | 20.09 | 20.01 | 20.19 | |
| 5 | 64QAM | 25 | 0 | 20.21 | 20.16 | 20.17 | |
| Channel | | | | 18615 | 18900 | 19185 | |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | |
| 3 | QPSK | 1 | 0 | 23.13 | 23.19 | 23.08 | 24 |
| 3 | QPSK | 1 | 8 | 23.09 | 23.15 | 23.05 | |
| 3 | QPSK | 1 | 14 | 23.07 | 23.13 | 23.09 | |
| 3 | QPSK | 8 | 0 | 22.20 | 22.39 | 22.32 | 23 |
| 3 | QPSK | 8 | 4 | 22.26 | 22.41 | 22.08 | |
| 3 | QPSK | 8 | 7 | 22.25 | 22.20 | 22.15 | |

| Band 4 (AWS Band) (dBm) Part 27L (only on channel required) | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 20050 | 20175 | 20300 | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | |
| 20 | QPSK | 1 | 0 | 23.25 | 23.34 | 23.20 | 24 |
| 20 | QPSK | 1 | 49 | 23.18 | 23.21 | 23.23 | |
| 20 | QPSK | 1 | 99 | 23.27 | 23.23 | 23.17 | |
| 20 | QPSK | 50 | 0 | 22.30 | 22.38 | 22.28 | 23 |
| 20 | QPSK | 50 | 24 | 22.34 | 22.23 | 22.29 | |
| 20 | QPSK | 50 | 50 | 22.20 | 22.14 | 22.27 | |
| 20 | QPSK | 100 | 0 | 22.12 | 22.22 | 22.18 | 23 |
| 20 | 16QAM | 1 | 0 | 22.26 | 22.36 | 22.09 | |
| 20 | 16QAM | 1 | 49 | 22.10 | 22.40 | 22.19 | |
| 20 | 16QAM | 1 | 99 | 22.09 | 22.35 | 22.17 | 22 |
| 20 | 16QAM | 50 | 0 | 21.28 | 21.36 | 21.42 | |
| 20 | 16QAM | 50 | 24 | 21.21 | 21.24 | 21.18 | |
| 20 | 16QAM | 50 | 50 | 21.17 | 21.33 | 21.30 | 22 |
| 20 | 16QAM | 100 | 0 | 21.26 | 21.29 | 21.23 | |
| 20 | 64QAM | 1 | 0 | 21.30 | 21.22 | 21.30 | |
| 20 | 64QAM | 1 | 49 | 21.39 | 21.41 | 21.25 | 22 |
| 20 | 64QAM | 1 | 99 | 21.34 | 21.23 | 21.14 | |
| 20 | 64QAM | 50 | 0 | 20.36 | 20.40 | 20.43 | |
| 20 | 64QAM | 50 | 24 | 20.15 | 20.41 | 20.33 | 21 |
| 20 | 64QAM | 50 | 50 | 20.12 | 20.34 | 20.32 | |
| 20 | 64QAM | 100 | 0 | 20.37 | 20.24 | 20.11 | |
| Channel | | | | 20025 | 20175 | 20325 | |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | |
| 15 | QPSK | 1 | 0 | 23.10 | 23.30 | 23.24 | 24 |
| 15 | QPSK | 1 | 37 | 23.19 | 23.04 | 23.15 | |
| 15 | QPSK | 1 | 74 | 23.11 | 23.05 | 23.20 | |
| 15 | QPSK | 36 | 0 | 22.22 | 22.35 | 22.23 | 23 |
| 15 | QPSK | 36 | 20 | 22.37 | 22.36 | 22.31 | |
| 15 | QPSK | 36 | 39 | 22.10 | 22.21 | 22.25 | |
| 15 | QPSK | 75 | 0 | 22.27 | 22.29 | 22.39 | 23 |
| 15 | 16QAM | 1 | 0 | 22.26 | 22.39 | 22.24 | |
| 15 | 16QAM | 1 | 37 | 22.15 | 22.11 | 22.14 | |
| 15 | 16QAM | 1 | 74 | 22.15 | 22.10 | 22.09 | 22 |
| 15 | 16QAM | 36 | 0 | 21.41 | 21.22 | 21.42 | |
| 15 | 16QAM | 36 | 20 | 21.10 | 21.29 | 21.29 | |
| 15 | 16QAM | 36 | 39 | 21.13 | 21.24 | 21.19 | 22 |
| 15 | 16QAM | 75 | 0 | 21.40 | 21.41 | 21.21 | |
| 15 | 64QAM | 1 | 0 | 21.18 | 21.25 | 21.37 | |
| 15 | 64QAM | 1 | 37 | 21.34 | 21.23 | 21.08 | 22 |
| 15 | 64QAM | 1 | 74 | 21.15 | 21.17 | 21.10 | |
| 15 | 64QAM | 36 | 0 | 20.54 | 20.46 | 20.40 | |
| 15 | 64QAM | 36 | 20 | 20.31 | 20.35 | 20.37 | 21 |
| 15 | 64QAM | 36 | 39 | 20.33 | 20.27 | 20.30 | |
| 15 | 64QAM | 75 | 0 | 20.31 | 20.44 | 20.24 | |
| Channel | | | | 20000 | 20175 | 20350 | |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | |
| 10 | QPSK | 1 | 0 | 23.17 | 23.29 | 23.12 | 24 |
| 10 | QPSK | 1 | 25 | 23.11 | 23.11 | 23.18 | |
| 10 | QPSK | 1 | 49 | 23.28 | 23.24 | 23.15 | |
| 10 | QPSK | 25 | 0 | 22.15 | 22.45 | 22.39 | 23 |
| 10 | QPSK | 25 | 12 | 22.11 | 22.33 | 22.14 | |
| 10 | QPSK | 25 | 25 | 22.28 | 22.26 | 22.34 | |
| 10 | QPSK | 50 | 0 | 22.24 | 22.45 | 22.40 | 23 |
| 10 | 16QAM | 1 | 0 | 22.09 | 22.36 | 22.10 | |
| 10 | 16QAM | 1 | 25 | 22.25 | 22.11 | 22.27 | |
| 10 | 16QAM | 1 | 49 | 22.34 | 22.26 | 22.16 | 22 |
| 10 | 16QAM | 25 | 0 | 21.25 | 21.33 | 21.19 | |
| 10 | 16QAM | 25 | 12 | 21.38 | 21.30 | 21.16 | |
| 10 | 16QAM | 25 | 25 | 21.17 | 21.22 | 21.40 | 22 |
| 10 | 16QAM | 50 | 0 | | | | |



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| Channel | Frequency (MHz) | 18607 | 18900 | 19193 | Tune-up limit (dBm) | | |
|-----------------|-----------------|-------|-------|--------|---------------------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 22.02 | 22.31 | 22.23 | 23 |
| 3 | 16QAM | 1 | 0 | 22.04 | 22.17 | 22.08 | |
| 3 | 16QAM | 1 | 8 | 22.19 | 21.99 | 22.10 | |
| 3 | 16QAM | 1 | 14 | 22.23 | 22.04 | 22.11 | 22 |
| 3 | 16QAM | 8 | 0 | 21.02 | 21.22 | 21.23 | |
| 3 | 16QAM | 8 | 4 | 21.31 | 21.24 | 21.18 | |
| 3 | 16QAM | 8 | 7 | 21.19 | 21.22 | 20.98 | 22 |
| 3 | 16QAM | 15 | 0 | 21.05 | 21.35 | 21.18 | |
| 3 | 64QAM | 1 | 0 | 21.02 | 21.37 | 21.01 | |
| 3 | 64QAM | 1 | 8 | 21.23 | 21.04 | 21.08 | 21 |
| 3 | 64QAM | 1 | 14 | 21.03 | 21.15 | 21.13 | |
| 3 | 64QAM | 8 | 0 | 20.32 | 20.39 | 20.21 | |
| 3 | 64QAM | 8 | 4 | 20.09 | 20.34 | 20.29 | 21 |
| 3 | 64QAM | 8 | 7 | 20.07 | 20.06 | 20.21 | |
| 3 | 64QAM | 15 | 0 | 20.10 | 20.31 | 20.18 | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | |
| 1.4 | QPSK | 1 | 0 | 23.17 | 23.17 | 23.12 | 24 |
| 1.4 | QPSK | 1 | 3 | 23.13 | 23.04 | 23.06 | |
| 1.4 | QPSK | 1 | 5 | 23.12 | 23.02 | 23.09 | |
| 1.4 | QPSK | 3 | 0 | 22.36 | 22.43 | 22.32 | |
| 1.4 | QPSK | 3 | 1 | 22.20 | 22.11 | 22.05 | |
| 1.4 | QPSK | 3 | 3 | 22.16 | 22.28 | 22.36 | |
| 1.4 | QPSK | 6 | 0 | 22.21 | 22.11 | 22.30 | 23 |
| 1.4 | 16QAM | 1 | 0 | 22.08 | 22.34 | 22.15 | 23 |
| 1.4 | 16QAM | 1 | 3 | 22.13 | 22.05 | 22.13 | |
| 1.4 | 16QAM | 1 | 5 | 22.06 | 22.05 | 22.16 | |
| 1.4 | 16QAM | 3 | 0 | 21.24 | 21.38 | 21.04 | |
| 1.4 | 16QAM | 3 | 1 | 21.11 | 21.09 | 21.05 | |
| 1.4 | 16QAM | 3 | 3 | 21.22 | 21.35 | 21.22 | |
| 1.4 | 16QAM | 6 | 0 | 21.23 | 21.31 | 20.99 | 22 |
| 1.4 | 64QAM | 1 | 0 | 21.05 | 21.30 | 21.15 | 22 |
| 1.4 | 64QAM | 1 | 3 | 21.05 | 21.31 | 21.24 | |
| 1.4 | 64QAM | 1 | 5 | 21.27 | 21.18 | 21.25 | |
| 1.4 | 64QAM | 3 | 0 | 20.24 | 20.23 | 20.17 | |
| 1.4 | 64QAM | 3 | 1 | 20.09 | 20.25 | 20.13 | |
| 1.4 | 64QAM | 3 | 3 | 20.26 | 20.32 | 20.12 | |
| 1.4 | 64QAM | 6 | 0 | 20.21 | 20.38 | 20.19 | 21 |

| Channel | Frequency (MHz) | 19957 | 20175 | 20393 | Tune-up limit (dBm) | | |
|-----------------|-----------------|-------|-------|--------|---------------------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 22.10 | 22.13 | 22.12 | 23 |
| 3 | 16QAM | 1 | 0 | 22.24 | 22.29 | 22.21 | |
| 3 | 16QAM | 1 | 8 | 22.18 | 22.26 | 22.15 | |
| 3 | 16QAM | 1 | 14 | 22.36 | 22.29 | 22.14 | 22 |
| 3 | 16QAM | 8 | 0 | 21.34 | 21.35 | 21.33 | |
| 3 | 16QAM | 8 | 4 | 21.37 | 21.28 | 21.16 | |
| 3 | 16QAM | 8 | 7 | 21.31 | 21.47 | 21.18 | 22 |
| 3 | 16QAM | 15 | 0 | 21.08 | 21.17 | 21.30 | |
| 3 | 64QAM | 1 | 0 | 21.09 | 21.41 | 21.25 | |
| 3 | 64QAM | 1 | 8 | 21.33 | 21.35 | 21.03 | 21 |
| 3 | 64QAM | 1 | 14 | 21.19 | 21.05 | 21.20 | |
| 3 | 64QAM | 8 | 0 | 20.38 | 20.41 | 20.40 | |
| 3 | 64QAM | 8 | 4 | 20.18 | 20.34 | 20.20 | 21 |
| 3 | 64QAM | 8 | 7 | 20.20 | 20.14 | 20.18 | |
| 3 | 64QAM | 15 | 0 | 20.39 | 20.35 | 20.26 | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | |
| 1.4 | QPSK | 1 | 0 | 23.16 | 23.29 | 23.21 | 24 |
| 1.4 | QPSK | 1 | 3 | 23.19 | 23.27 | 23.20 | |
| 1.4 | QPSK | 1 | 5 | 23.11 | 23.21 | 23.24 | |
| 1.4 | QPSK | 3 | 0 | 22.31 | 22.39 | 22.24 | |
| 1.4 | QPSK | 3 | 1 | 22.35 | 22.20 | 22.41 | |
| 1.4 | QPSK | 3 | 3 | 22.28 | 22.28 | 22.28 | |
| 1.4 | QPSK | 6 | 0 | 22.15 | 22.26 | 22.20 | 23 |
| 1.4 | 16QAM | 1 | 0 | 22.24 | 22.31 | 22.23 | 23 |
| 1.4 | 16QAM | 1 | 3 | 21.98 | 22.10 | 22.12 | |
| 1.4 | 16QAM | 1 | 5 | 22.25 | 22.06 | 22.06 | |
| 1.4 | 16QAM | 3 | 0 | 21.20 | 21.33 | 21.27 | |
| 1.4 | 16QAM | 3 | 1 | 21.27 | 21.11 | 21.08 | |
| 1.4 | 16QAM | 3 | 3 | 21.33 | 21.35 | 21.41 | |
| 1.4 | 16QAM | 6 | 0 | 21.12 | 21.28 | 21.23 | 22 |
| 1.4 | 64QAM | 1 | 0 | 21.11 | 21.16 | 21.27 | 22 |
| 1.4 | 64QAM | 1 | 3 | 21.27 | 21.38 | 21.27 | |
| 1.4 | 64QAM | 1 | 5 | 21.16 | 21.15 | 21.13 | |
| 1.4 | 64QAM | 3 | 0 | 20.35 | 20.34 | 20.31 | |
| 1.4 | 64QAM | 3 | 1 | 20.30 | 20.20 | 20.38 | |
| 1.4 | 64QAM | 3 | 3 | 20.18 | 20.09 | 20.34 | |
| 1.4 | 64QAM | 6 | 0 | 20.15 | 20.30 | 20.28 | 21 |



| Band 5 (Cellular Band) (dBm) Part 22H(only on channel required) | | | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 20450 | 20525 | 20600 | 24.5 | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | | |
| 10 | QPSK | 1 | 0 | 23.57 | 23.60 | 23.53 | 24.5 | | |
| 10 | QPSK | 1 | 25 | 23.51 | 23.53 | 23.51 | | | |
| 10 | QPSK | 1 | 49 | 23.51 | 23.57 | 23.50 | | | |
| 10 | QPSK | 25 | 0 | 22.62 | 22.86 | 22.73 | 23.5 | | |
| 10 | QPSK | 25 | 12 | 22.57 | 22.80 | 22.66 | | | |
| 10 | QPSK | 25 | 25 | 22.61 | 22.53 | 22.58 | | | |
| 10 | QPSK | 50 | 0 | 22.66 | 22.61 | 22.57 | 23.5 | | |
| 10 | 16QAM | 1 | 0 | 22.52 | 22.63 | 22.58 | | | |
| 10 | 16QAM | 1 | 25 | 22.51 | 22.52 | 22.53 | | | |
| 10 | 16QAM | 1 | 49 | 22.71 | 22.63 | 22.55 | 22.5 | | |
| 10 | 16QAM | 25 | 0 | 21.53 | 21.84 | 21.55 | | | |
| 10 | 16QAM | 25 | 12 | 21.51 | 21.66 | 21.52 | | | |
| 10 | 16QAM | 25 | 25 | 21.57 | 21.67 | 21.56 | 22.5 | | |
| 10 | 16QAM | 50 | 0 | 21.57 | 21.52 | 21.58 | | | |
| 10 | 64QAM | 1 | 0 | 21.35 | 21.54 | 21.59 | | | |
| 10 | 64QAM | 1 | 25 | 21.40 | 21.67 | 21.58 | 22.5 | | |
| 10 | 64QAM | 1 | 49 | 21.61 | 21.53 | 21.56 | | | |
| 10 | 64QAM | 25 | 0 | 20.59 | 20.85 | 20.86 | | | |
| 10 | 64QAM | 25 | 12 | 20.72 | 20.62 | 20.61 | 21.5 | | |
| 10 | 64QAM | 25 | 25 | 20.52 | 20.53 | 20.52 | | | |
| 10 | 64QAM | 50 | 0 | 20.65 | 20.59 | 20.53 | | | |
| Channel | | | | 20425 | 20525 | 20625 | 24.5 | | |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | | |
| 5 | QPSK | 1 | 0 | 23.49 | 23.57 | 23.55 | 24.5 | | |
| 5 | QPSK | 1 | 12 | 23.54 | 23.53 | 23.53 | | | |
| 5 | QPSK | 1 | 24 | 23.56 | 23.52 | 23.56 | | | |
| 5 | QPSK | 12 | 0 | 22.60 | 22.73 | 22.71 | 23.5 | | |
| 5 | QPSK | 12 | 7 | 22.59 | 22.71 | 22.65 | | | |
| 5 | QPSK | 12 | 13 | 22.56 | 22.70 | 22.58 | | | |
| 5 | QPSK | 25 | 0 | 22.57 | 22.61 | 22.60 | 23.5 | | |
| 5 | 16QAM | 1 | 0 | 22.53 | 22.65 | 22.53 | | | |
| 5 | 16QAM | 1 | 12 | 22.57 | 22.67 | 22.52 | | | |
| 5 | 16QAM | 1 | 24 | 22.53 | 22.54 | 22.57 | 23.5 | | |
| 5 | 16QAM | 12 | 0 | 21.41 | 21.65 | 21.65 | | | |
| 5 | 16QAM | 12 | 7 | 21.50 | 21.57 | 21.50 | | | |
| 5 | 16QAM | 12 | 13 | 21.52 | 21.53 | 21.45 | 22.5 | | |
| 5 | 16QAM | 25 | 0 | 21.58 | 21.52 | 21.56 | | | |
| 5 | 64QAM | 1 | 0 | 21.55 | 21.82 | 21.58 | | | |
| 5 | 64QAM | 1 | 12 | 21.63 | 21.78 | 21.60 | 22.5 | | |
| 5 | 64QAM | 1 | 24 | 21.61 | 21.53 | 21.60 | | | |
| 5 | 64QAM | 12 | 0 | 20.53 | 20.80 | 20.58 | | | |
| 5 | 64QAM | 12 | 7 | 20.50 | 20.47 | 20.57 | 21.5 | | |
| 5 | 64QAM | 12 | 13 | 20.63 | 20.52 | 20.55 | | | |
| 5 | 64QAM | 25 | 0 | 20.78 | 20.63 | 20.69 | | | |
| Channel | | | | 20415 | 20525 | 20635 | 24.5 | | |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | | |
| 3 | QPSK | 1 | 0 | 23.51 | 23.58 | 23.53 | 24.5 | | |
| 3 | QPSK | 1 | 8 | 23.54 | 23.50 | 23.51 | | | |
| 3 | QPSK | 1 | 14 | 23.55 | 23.55 | 23.47 | | | |
| 3 | QPSK | 8 | 0 | 22.43 | 22.67 | 22.57 | 23.5 | | |
| 3 | QPSK | 8 | 4 | 22.66 | 22.59 | 22.57 | | | |
| 3 | QPSK | 8 | 7 | 22.59 | 22.55 | 22.61 | | | |
| 3 | QPSK | 15 | 0 | 22.48 | 22.50 | 22.52 | 23.5 | | |
| 3 | 16QAM | 1 | 0 | 22.46 | 22.75 | 22.53 | | | |
| 3 | 16QAM | 1 | 8 | 22.66 | 22.48 | 22.75 | | | |
| 3 | 16QAM | 1 | 14 | 22.59 | 22.56 | 22.53 | 23.5 | | |
| 3 | 16QAM | 8 | 0 | 21.50 | 21.68 | 21.57 | | | |
| 3 | 16QAM | 8 | 4 | 21.46 | 21.69 | 21.51 | | | |
| 3 | 16QAM | 8 | 7 | 21.48 | 21.48 | 21.69 | 22.5 | | |
| 3 | 16QAM | 15 | 0 | 21.57 | 21.59 | 21.49 | | | |
| 3 | 64QAM | 1 | 0 | 21.63 | 21.80 | 21.52 | | | |
| 3 | 64QAM | 1 | 8 | 21.58 | 21.78 | 21.60 | 22.5 | | |
| 3 | 64QAM | 1 | 14 | 21.71 | 21.54 | 21.55 | | | |
| 3 | 64QAM | 8 | 0 | 20.64 | 20.64 | 20.70 | | | |
| 3 | 64QAM | 8 | 4 | 20.73 | 20.48 | 20.72 | 21.5 | | |
| 3 | 64QAM | 8 | 7 | 20.59 | 20.55 | 20.59 | | | |
| 3 | 64QAM | 15 | 0 | 20.61 | 20.72 | 20.52 | | | |
| Channel | | | | 20407 | 20525 | 20643 | 24.5 | | |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | | |
| 1.4 | QPSK | 1 | 0 | 23.56 | 23.59 | 23.57 | 24.5 | | |
| 1.4 | QPSK | 1 | 3 | 23.52 | 23.48 | 23.49 | | | |
| 1.4 | QPSK | 1 | 5 | 23.55 | 23.55 | 23.55 | | | |
| 1.4 | QPSK | 3 | 0 | 22.57 | 22.66 | 22.75 | 23.5 | | |
| 1.4 | QPSK | 3 | 1 | 22.63 | 22.56 | 22.51 | | | |
| 1.4 | QPSK | 3 | 3 | 22.61 | 22.52 | 22.59 | | | |
| 1.4 | QPSK | 6 | 0 | 22.51 | 22.43 | 22.66 | 23.5 | | |
| 1.4 | 16QAM | 1 | 0 | 22.56 | 22.70 | 22.61 | | | |
| 1.4 | 16QAM | 1 | 3 | 22.52 | 22.48 | 22.48 | | | |
| 1.4 | 16QAM | 1 | 5 | 22.51 | 22.62 | 22.60 | 23.5 | | |
| 1.4 | 16QAM | 3 | 0 | 21.66 | 21.63 | 21.69 | | | |
| 1.4 | 16QAM | 3 | 1 | 21.57 | 21.58 | 21.61 | | | |
| 1.4 | 16QAM | 3 | 3 | 21.53 | 21.59 | 21.64 | 22.5 | | |
| 1.4 | 16QAM | 6 | 0 | 21.57 | 21.57 | 21.51 | | | |
| 1.4 | 64QAM | 1 | 0 | 21.40 | 21.72 | 21.44 | | | |
| 1.4 | 64QAM | 1 | 3 | 21.50 | 21.45 | 21.38 | 22.5 | | |
| 1.4 | 64QAM | 1 | 5 | 21.70 | 21.61 | 21.46 | | | |
| 1.4 | 64QAM | 3 | 0 | 20.54 | 20.78 | 20.83 | | | |
| 1.4 | 64QAM | 3 | 1 | 20.51 | 20.78 | 20.65 | 21.5 | | |
| 1.4 | 64QAM | 3 | 3 | 20.53 | 20.68 | 20.63 | | | |
| 1.4 | 64QAM | 6 | 0 | 20.72 | 20.69 | 20.52 | | | |

| Band 7 (2600MHz Band) (dBm) Part 27 | | | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 20850 | 21100 | 21350 | 22 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | | |
| 20 | QPSK | 1 | 0 | 21.30 | 21.48 | 21.46 | 22 | | |
| 20 | QPSK | 1 | 49 | 21.18 | 21.31 | 21.34 | | | |
| 20 | QPSK | 1 | 99 | 21.37 | 21.47 | 21.27 | | | |
| 20 | QPSK | 50 | 0 | 20.42 | 20.47 | 20.37 | 21 | | |
| 20 | QPSK | 50 | 24 | 20.34 | 20.27 | 20.46 | | | |
| 20 | QPSK | 50 | 50 | 20.17 | 20.36 | 20.44 | | | |
| 20 | QPSK | 100 | 0 | 20.18 | 20.34 | 20.37 | 21 | | |
| 20 | 16QAM | 1 | 0 | 20.45 | 20.28 | 20.17 | | | |
| 20 | 16QAM | 1 | 49 | 20.26 | 20.22 | 20.31 | | | |
| 20 | 16QAM | 1 | 99 | 20.17 | 20.38 | 20.28 | 20 | | |
| 20 | 16QAM | 50 | 0 | 19.35 | 19.41 | 19.35 | | | |
| 20 | 16QAM | 50 | 24 | 19.35 | 19.19 | 19.27 | | | |
| 20 | 16QAM | 50 | 50 | 19.34 | 19.47 | 19.36 | 20 | | |
| 20 | 16QAM | 100 | 0 | 19.49 | 19.32 | 19.44 | | | |
| 20 | 64QAM | 1 | 0 | 19.39 | 19.50 | 19.21 | | | |
| 20 | 64QAM | 1 | 49 | 19.54 | 19.45 | 19.11 | 20 | | |
| 20 | 64QAM | 1 | 99 | 19.31 | 19.45 | 19.16 | | | |
| 20 | 64QAM | 50 | 0 | 18.54 | 18.49 | 18.44 | | | |
| 20 | 64QAM | 50 | 24 | 18.40 | 18.52 | 18.48 | 19 | | |
| 20 | 64QAM | 50 | 50 | 18.31 | 18.26 | 18.42 | | | |
| 20 | 64QAM | 100 | 0 | 18.47 | 18.29 | 18.55 | | | |
| Channel | | | | 20825 | 21100 | 21375 | 22 | | |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | | |
| 15 | QPSK | 1 | 0 | 21.19 | 21.45 | 21.41 | 22 | | |
| 15 | QPSK | 1 | 37 | 21.12 | 21.22 | 21.19 | | | |
| 15 | QPSK | 1 | 74 | 21.13 | 21.40 | 21.13 | | | |
| 15 | QPSK | 36 | 0 | 20.43 | 20.49 | 20.41 | 21 | | |
| 15 | QPSK | 36 | 20 | 20.33 | 20.40 | 20.40 | | | |
| 15 | QPSK | 36 | 39 | 20.40 | 20.36 | 20.22 | | | |
| 15 | QPSK | 75 | 0 | 20.48 | 20.33 | 20.39 | 21 | | |
| 15 | 16QAM | 1 | 0 | 20.36 | 20.39 | 20.18 | | | |
| 15 | 16QAM | 1 | 37 | 20.20 | 20.19 | 20.28 | | | |
| 15 | 16QAM | 1 | 74 | 20.37 | 20.38 | 20.40 | 20 | | |
| 15 | 16QAM | 36 | 0 | 19.47 | 19.52 | 19.47 | | | |
| 15 | 16QAM | 36 | 20 | 19.51 | 19.19 | 19.29 | | | |
| 15 | 16QAM | 36 | 39 | 19.26 | 19.24 | 19.30 | 20 | | |
| 15 | 16QAM | 75 | 0 | 19.39 | 19.45 | 19.27 | | | |
| 15 | 64QAM | 1 | 0 | 19.28 | 19.52 | 19.40 | | | |
| 15 | 64QAM | 1 | 37 | 19.38 | 19.34 | 19.21 | 20 | | |
| 15 | 64QAM | 1 | 74 | 19.22 | 19.18 | 19.29 | | | |
| 15 | 64QAM | 36 | 0 | 18.34 | 18.51 | 18.54 | | | |
| 15 | 64QAM | 36 | 20 | 18.46 | 18.39 | 18.48 | 19 | | |
| 15 | 64QAM | 36 | 39 | 18.35 | 18.24 | 18.49 | | | |
| 15 | 64QAM | 75 | 0 | 18.41 | 18.50 | 18.27 | | | |
| Channel | | | | 20800 | 21100 | 21400 | 22 | | |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | | |
| 10 | QPSK | 1 | 0 | 21.30 | 21.46 | 21.43 | 22 | | |
| 10 | QPSK | 1 | 25 | 21.14 | 21.26 | 21.33 | | | |
| 10 | QPSK | 1 | 49 | 21.11 | 21.32 | 21.23 | | | |
| 10 | QPSK | 25 | 0 | 20.48 | 20.55 | 20.52 | 21 | | |
| 10 | QPSK | 25 | 12 | 20.23 | 20.40 | 20.52 | | | |



| Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required) | | | | | | | |
|---|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 23060 | 23095 | 23130 | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | |
| 10 | QPSK | 1 | 0 | 23.87 | 23.91 | 23.80 | 24.5 |
| 10 | QPSK | 1 | 25 | 23.69 | 23.77 | 23.57 | |
| 10 | QPSK | 1 | 49 | 23.63 | 23.69 | 23.69 | |
| 10 | QPSK | 25 | 0 | 22.88 | 22.92 | 22.91 | 23.5 |
| 10 | QPSK | 25 | 12 | 22.85 | 22.85 | 22.69 | |
| 10 | QPSK | 25 | 25 | 22.70 | 22.67 | 22.87 | |
| 10 | QPSK | 50 | 0 | 22.85 | 22.83 | 22.90 | 23.5 |
| 10 | 16QAM | 1 | 0 | 22.68 | 22.86 | 22.77 | |
| 10 | 16QAM | 1 | 25 | 22.67 | 22.77 | 22.78 | |
| 10 | 16QAM | 1 | 49 | 22.66 | 22.85 | 22.85 | 22.5 |
| 10 | 16QAM | 25 | 0 | 21.86 | 21.85 | 21.93 | |
| 10 | 16QAM | 25 | 12 | 21.94 | 21.90 | 21.86 | |
| 10 | 16QAM | 25 | 25 | 21.74 | 21.93 | 21.95 | 22.5 |
| 10 | 16QAM | 50 | 0 | 21.75 | 21.88 | 21.86 | |
| 10 | 64QAM | 1 | 0 | 21.83 | 21.87 | 21.93 | |
| 10 | 64QAM | 1 | 25 | 21.92 | 21.84 | 21.93 | 22.5 |
| 10 | 64QAM | 1 | 49 | 21.79 | 21.95 | 21.95 | |
| 10 | 64QAM | 25 | 0 | 20.95 | 20.87 | 20.88 | |
| 10 | 64QAM | 25 | 12 | 20.97 | 20.88 | 20.99 | 21.5 |
| 10 | 64QAM | 25 | 25 | 20.71 | 20.82 | 20.87 | |
| 10 | 64QAM | 50 | 0 | 20.95 | 20.89 | 20.90 | |
| Channel | | | | 23035 | 23095 | 23155 | |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | |
| 5 | QPSK | 1 | 0 | 23.85 | 23.89 | 23.66 | 24.5 |
| 5 | QPSK | 1 | 12 | 23.77 | 23.71 | 23.84 | |
| 5 | QPSK | 1 | 24 | 23.85 | 23.67 | 23.83 | |
| 5 | QPSK | 12 | 0 | 22.75 | 22.93 | 22.69 | 23.5 |
| 5 | QPSK | 12 | 7 | 22.91 | 22.81 | 22.90 | |
| 5 | QPSK | 12 | 13 | 22.68 | 22.79 | 22.80 | |
| 5 | QPSK | 25 | 0 | 22.83 | 22.95 | 22.90 | 23.5 |
| 5 | 16QAM | 1 | 0 | 22.73 | 22.80 | 22.98 | |
| 5 | 16QAM | 1 | 12 | 22.77 | 22.89 | 22.77 | |
| 5 | 16QAM | 1 | 24 | 22.80 | 22.66 | 22.86 | 23.5 |
| 5 | 16QAM | 12 | 0 | 21.88 | 21.85 | 21.81 | |
| 5 | 16QAM | 12 | 7 | 21.88 | 21.88 | 21.90 | |
| 5 | 16QAM | 12 | 13 | 21.79 | 21.74 | 21.67 | 22.5 |
| 5 | 16QAM | 25 | 0 | 21.68 | 21.86 | 21.78 | |
| 5 | 64QAM | 1 | 0 | 21.82 | 21.82 | 21.84 | |
| 5 | 64QAM | 1 | 12 | 21.79 | 21.73 | 21.81 | 22.5 |
| 5 | 64QAM | 1 | 24 | 21.81 | 21.64 | 21.84 | |
| 5 | 64QAM | 12 | 0 | 20.78 | 20.91 | 20.94 | |
| 5 | 64QAM | 12 | 7 | 20.86 | 20.79 | 20.77 | 21.5 |
| 5 | 64QAM | 12 | 13 | 20.74 | 20.68 | 20.89 | |
| 5 | 64QAM | 25 | 0 | 20.86 | 20.83 | 20.79 | |
| Channel | | | | 23025 | 23095 | 23165 | |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | |
| 3 | QPSK | 1 | 0 | 23.82 | 23.87 | 23.83 | 24.5 |
| 3 | QPSK | 1 | 8 | 23.85 | 23.76 | 23.61 | |
| 3 | QPSK | 1 | 14 | 23.61 | 23.77 | 23.70 | |
| 3 | QPSK | 8 | 0 | 22.76 | 22.85 | 22.82 | 23.5 |
| 3 | QPSK | 8 | 4 | 22.63 | 22.80 | 22.84 | |
| 3 | QPSK | 8 | 7 | 22.74 | 22.82 | 22.77 | |
| 3 | QPSK | 15 | 0 | 22.73 | 22.83 | 22.75 | 23.5 |
| 3 | 16QAM | 1 | 0 | 22.82 | 22.91 | 22.70 | |
| 3 | 16QAM | 1 | 8 | 22.69 | 22.80 | 22.76 | |
| 3 | 16QAM | 1 | 14 | 22.73 | 22.74 | 22.68 | 22.5 |
| 3 | 16QAM | 8 | 0 | 21.88 | 21.92 | 21.81 | |
| 3 | 16QAM | 8 | 4 | 21.83 | 21.80 | 21.74 | |
| 3 | 16QAM | 8 | 7 | 21.78 | 21.80 | 21.73 | 22.5 |
| 3 | 16QAM | 15 | 0 | 21.70 | 21.71 | 21.80 | |
| 3 | 64QAM | 1 | 0 | 21.77 | 21.86 | 21.84 | |
| 3 | 64QAM | 1 | 8 | 21.86 | 21.79 | 21.60 | 22.5 |
| 3 | 64QAM | 1 | 14 | 21.67 | 21.82 | 21.83 | |
| 3 | 64QAM | 8 | 0 | 20.82 | 20.85 | 20.68 | |
| 3 | 64QAM | 8 | 4 | 20.71 | 20.81 | 20.77 | 21.5 |
| 3 | 64QAM | 8 | 7 | 20.70 | 20.81 | 20.89 | |
| 3 | 64QAM | 15 | 0 | 20.80 | 20.79 | 20.73 | |
| Channel | | | | 23017 | 23095 | 23173 | |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | |
| 1.4 | QPSK | 1 | 0 | 23.71 | 23.88 | 23.73 | 24.5 |
| 1.4 | QPSK | 1 | 3 | 23.86 | 23.70 | 23.67 | |
| 1.4 | QPSK | 1 | 5 | 23.85 | 23.87 | 23.68 | |
| 1.4 | QPSK | 3 | 0 | 22.84 | 22.81 | 22.90 | |
| 1.4 | QPSK | 3 | 1 | 22.93 | 22.90 | 22.81 | |
| 1.4 | QPSK | 3 | 3 | 22.86 | 22.78 | 22.85 | |
| 1.4 | QPSK | 6 | 0 | 22.77 | 22.81 | 22.80 | 23.5 |
| 1.4 | 16QAM | 1 | 0 | 22.77 | 22.84 | 22.79 | |
| 1.4 | 16QAM | 1 | 3 | 22.68 | 22.78 | 22.70 | |
| 1.4 | 16QAM | 1 | 5 | 22.80 | 22.88 | 22.82 | 23.5 |
| 1.4 | 16QAM | 3 | 0 | 21.83 | 21.89 | 21.87 | |
| 1.4 | 16QAM | 3 | 1 | 21.86 | 21.95 | 21.94 | |
| 1.4 | 16QAM | 3 | 3 | 21.81 | 21.84 | 21.80 | 22.5 |
| 1.4 | 16QAM | 6 | 0 | 21.71 | 21.90 | 21.68 | |
| 1.4 | 64QAM | 1 | 0 | 21.90 | 21.90 | 21.77 | |
| 1.4 | 64QAM | 1 | 3 | 21.87 | 21.80 | 21.79 | 22.5 |
| 1.4 | 64QAM | 1 | 5 | 21.71 | 21.87 | 21.73 | |
| 1.4 | 64QAM | 3 | 0 | 20.83 | 20.78 | 20.69 | |
| 1.4 | 64QAM | 3 | 1 | 20.80 | 20.81 | 20.77 | |
| 1.4 | 64QAM | 3 | 3 | 20.98 | 20.87 | 20.81 | |
| 1.4 | 64QAM | 6 | 0 | 20.77 | 20.81 | 20.84 | |

| Band 13(700MHz Band) (dBm) Part 27F | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 23230 | | | |
| Frequency (MHz) | | | | 782 | | | |
| 10 | QPSK | 1 | 0 | | 23.87 | | 24.5 |
| 10 | QPSK | 1 | 25 | | 23.88 | | |
| 10 | QPSK | 1 | 49 | | 23.81 | | |
| 10 | QPSK | 25 | 0 | | 22.76 | | 23.5 |
| 10 | QPSK | 25 | 12 | | 22.69 | | |
| 10 | QPSK | 25 | 25 | | 22.66 | | |
| 10 | QPSK | 50 | 0 | | 22.63 | | 23.5 |
| 10 | 16QAM | 1 | 0 | | 22.77 | | |
| 10 | 16QAM | 1 | 25 | | 22.74 | | |
| 10 | 16QAM | 1 | 49 | | 22.78 | | 22.5 |
| 10 | 16QAM | 25 | 0 | | 21.81 | | |
| 10 | 16QAM | 25 | 12 | | 21.70 | | |
| 10 | 16QAM | 25 | 25 | | 21.72 | | 22.5 |
| 10 | 16QAM | 50 | 0 | | 21.79 | | |
| 10 | 64QAM | 1 | 0 | | 21.90 | | |
| 10 | 64QAM | 1 | 25 | | 21.76 | | 22.5 |
| 10 | 64QAM | 1 | 49 | | 21.86 | | |
| 10 | 64QAM | 25 | 0 | | 20.88 | | |
| 10 | 64QAM | 25 | 12 | | 20.69 | | 21.5 |
| 10 | 64QAM | 25 | 25 | | 20.71 | | |
| 10 | 64QAM | 50 | 0 | | 20.75 | | |
| Channel | | | | 23205 | 23230 | 23255 | |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | |
| 5 | QPSK | 1 | 0 | 23.82 | 23.85 | 23.76 | 24.5 |
| 5 | QPSK | 1 | 12 | 23.79 | 23.81 | 23.81 | |
| 5 | QPSK | 1 | 24 | 23.61 | 23.77 | 23.69 | |
| 5 | QPSK | 12 | 0 | 22.85 | 22.91 | 22.86 | 23.5 |
| 5 | QPSK | 12 | 7 | 22.67 | 22.75 | 22.84 | |
| 5 | QPSK | 12 | 13 | 22.70 | 22.74 | 22.71 | |
| 5 | QPSK | 25 | 0 | 22.76 | 22.84 | 22.79 | 23.5 |
| 5 | 16QAM | 1 | 0 | 22.85 | 22.86 | 22.73 | |
| 5 | 16QAM | 1 | 12 | 22.69 | 22.68 | 22.80 | |
| 5 | 16QAM | 1 | 24 | 22.68 | 22.77 | 22.60 | 22.5 |
| 5 | 16QAM | 12 | 0 | 21.94 | 21.90 | 21.86 | |
| 5 | 16QAM | 12 | 7 | 21.82 | 21.84 | 21.78 | |
| 5 | 16QAM | 12 | 13 | 21.84 | 21.88 | 21.81 | 22.5 |
| 5 | 16QAM | 25 | 0 | 21.69 | 21.98 | 21.73 | |
| 5 | 64QAM | 1 | 0 | 21.88 | 21.83 | 21.72 | |
| 5 | 64QAM | 1 | 12 | 21.82 | 21.73 | 21.86 | 22.5 |
| 5 | 64QAM | 1 | 24 | 21.93 | 21.62 | 21.79 | |
| 5 | 64QAM | 12 | 0 | 20.97 | 20.92 | 20.84 | |
| 5 | 64QAM | 12 | 7 | 20.79 | 20.90 | 20.98 | 21.5 |
| 5 | 64QAM | 12 | 13 | 20.94 | 20.85 | 20.80 | |
| 5 | 64QAM | 25 | 0 | 20.82 | 20.94 | 20.78 | |



| Band 14 (700MHz Band) (dBm) | | | | | | | |
|-----------------------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 23330 | | | |
| Frequency (MHz) | | | | 793 | | | |
| 10 | QPSK | 1 | 0 | | 23.95 | | 24.5 |
| 10 | QPSK | 1 | 25 | | 23.73 | | |
| 10 | QPSK | 1 | 49 | | 23.66 | | |
| 10 | QPSK | 25 | 0 | | 22.93 | | 23.5 |
| 10 | QPSK | 25 | 12 | | 22.77 | | |
| 10 | QPSK | 25 | 25 | | 22.83 | | |
| 10 | QPSK | 50 | 0 | | 22.81 | | 23.5 |
| 10 | 16QAM | 1 | 0 | | 22.85 | | |
| 10 | 16QAM | 1 | 25 | | 22.79 | | |
| 10 | 16QAM | 1 | 49 | | 22.75 | | 22.5 |
| 10 | 16QAM | 25 | 0 | | 21.88 | | |
| 10 | 16QAM | 25 | 12 | | 21.85 | | |
| 10 | 16QAM | 25 | 25 | | 21.79 | | 22.5 |
| 10 | 16QAM | 50 | 0 | | 21.89 | | |
| 10 | 64QAM | 1 | 0 | | 21.89 | | |
| 10 | 64QAM | 1 | 25 | | 21.80 | | 22.5 |
| 10 | 64QAM | 1 | 49 | | 21.73 | | |
| 10 | 64QAM | 25 | 0 | | 20.92 | | |
| 10 | 64QAM | 25 | 12 | | 20.83 | | 21.5 |
| 10 | 64QAM | 25 | 25 | | 20.71 | | |
| 10 | 64QAM | 50 | 0 | | 20.76 | | |
| Channel | | | | 23305 | 23330 | 23355 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 790.5 | 793 | 795.5 | |
| 5 | QPSK | 1 | 0 | 23.86 | 23.89 | 23.85 | 24.5 |
| 5 | QPSK | 1 | 12 | 23.79 | 23.69 | 23.75 | |
| 5 | QPSK | 1 | 24 | 23.86 | 23.72 | 23.77 | |
| 5 | QPSK | 12 | 0 | 22.81 | 22.90 | 22.85 | 23.5 |
| 5 | QPSK | 12 | 7 | 22.69 | 22.87 | 22.88 | |
| 5 | QPSK | 12 | 13 | 22.87 | 22.68 | 22.79 | |
| 5 | QPSK | 25 | 0 | 22.86 | 22.91 | 22.78 | 23.5 |
| 5 | 16QAM | 1 | 0 | 22.87 | 22.88 | 22.83 | |
| 5 | 16QAM | 1 | 12 | 22.80 | 22.76 | 22.84 | |
| 5 | 16QAM | 1 | 24 | 22.70 | 22.89 | 22.83 | 22.5 |
| 5 | 16QAM | 12 | 0 | 21.77 | 21.81 | 21.97 | |
| 5 | 16QAM | 12 | 7 | 21.93 | 21.72 | 21.72 | |
| 5 | 16QAM | 12 | 13 | 21.93 | 21.86 | 21.72 | 22.5 |
| 5 | 16QAM | 25 | 0 | 21.83 | 21.89 | 21.87 | |
| 5 | 64QAM | 1 | 0 | 21.86 | 21.90 | 21.70 | |
| 5 | 64QAM | 1 | 12 | 21.71 | 21.84 | 21.77 | 22.5 |
| 5 | 64QAM | 1 | 24 | 21.84 | 21.93 | 21.71 | |
| 5 | 64QAM | 12 | 0 | 20.86 | 20.93 | 20.84 | |
| 5 | 64QAM | 12 | 7 | 20.85 | 20.92 | 20.91 | 21.5 |
| 5 | 64QAM | 12 | 13 | 20.83 | 20.84 | 20.86 | |
| 5 | 64QAM | 25 | 0 | 20.75 | 20.88 | 20.83 | |

| Band 17 (700MHz Band) (dBm) Part 27H(only on channel required) | | | | | | | |
|---|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 23780 | 23790 | 23800 | |
| Frequency (MHz) | | | | 709 | 710 | 711 | |
| 10 | QPSK | 1 | 0 | 23.70 | 23.86 | 23.66 | 24.5 |
| 10 | QPSK | 1 | 25 | 23.83 | 23.75 | 23.73 | |
| 10 | QPSK | 1 | 49 | 23.84 | 23.73 | 23.67 | |
| 10 | QPSK | 25 | 0 | 22.84 | 22.92 | 22.80 | 23.5 |
| 10 | QPSK | 25 | 12 | 22.82 | 22.90 | 22.84 | |
| 10 | QPSK | 25 | 25 | 22.81 | 22.82 | 22.86 | |
| 10 | QPSK | 50 | 0 | 22.76 | 22.80 | 22.73 | 23.5 |
| 10 | 16QAM | 1 | 0 | 22.69 | 22.81 | 22.63 | |
| 10 | 16QAM | 1 | 25 | 22.82 | 22.81 | 22.74 | |
| 10 | 16QAM | 1 | 49 | 22.74 | 22.69 | 22.78 | 22.5 |
| 10 | 16QAM | 25 | 0 | 21.78 | 21.90 | 21.84 | |
| 10 | 16QAM | 25 | 12 | 21.86 | 21.77 | 21.62 | |
| 10 | 16QAM | 25 | 25 | 21.84 | 21.93 | 21.84 | 22.5 |
| 10 | 16QAM | 50 | 0 | 21.77 | 21.72 | 21.87 | |
| 10 | 64QAM | 1 | 0 | 21.89 | 21.80 | 21.92 | |
| 10 | 64QAM | 1 | 25 | 21.95 | 21.98 | 21.90 | 22.5 |
| 10 | 64QAM | 1 | 49 | 21.80 | 21.82 | 21.67 | |
| 10 | 64QAM | 25 | 0 | 20.86 | 20.86 | 20.95 | |
| 10 | 64QAM | 25 | 12 | 20.91 | 20.89 | 20.83 | 21.5 |
| 10 | 64QAM | 25 | 25 | 20.91 | 20.92 | 20.77 | |
| 10 | 64QAM | 50 | 0 | 20.79 | 20.98 | 20.93 | |
| Channel | | | | 23755 | 23790 | 23825 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | |
| 5 | QPSK | 1 | 0 | 23.77 | 23.83 | 23.75 | 24.5 |
| 5 | QPSK | 1 | 12 | 23.57 | 23.81 | 23.73 | |
| 5 | QPSK | 1 | 24 | 23.79 | 23.75 | 23.75 | |
| 5 | QPSK | 12 | 0 | 22.82 | 22.83 | 22.81 | 23.5 |
| 5 | QPSK | 12 | 7 | 22.90 | 22.77 | 22.79 | |
| 5 | QPSK | 12 | 13 | 22.79 | 22.80 | 22.73 | |
| 5 | QPSK | 25 | 0 | 22.77 | 22.81 | 22.66 | 23.5 |
| 5 | 16QAM | 1 | 0 | 22.80 | 22.91 | 22.70 | |
| 5 | 16QAM | 1 | 12 | 22.92 | 22.94 | 22.84 | |
| 5 | 16QAM | 1 | 24 | 22.89 | 22.68 | 22.76 | 22.5 |
| 5 | 16QAM | 12 | 0 | 21.93 | 21.90 | 21.77 | |
| 5 | 16QAM | 12 | 7 | 21.79 | 21.75 | 21.75 | |
| 5 | 16QAM | 12 | 13 | 21.95 | 21.83 | 21.83 | 22.5 |
| 5 | 16QAM | 25 | 0 | 21.89 | 21.90 | 21.91 | |
| 5 | 64QAM | 1 | 0 | 21.88 | 21.84 | 21.91 | |
| 5 | 64QAM | 1 | 12 | 21.69 | 21.94 | 21.69 | 22.5 |
| 5 | 64QAM | 1 | 24 | 21.72 | 21.62 | 21.79 | |
| 5 | 64QAM | 12 | 0 | 20.88 | 20.85 | 20.86 | |
| 5 | 64QAM | 12 | 7 | 20.83 | 20.95 | 20.97 | 21.5 |
| 5 | 64QAM | 12 | 13 | 20.77 | 20.78 | 20.94 | |
| 5 | 64QAM | 25 | 0 | 20.77 | 20.85 | 20.82 | |



| Band 18 (835MHz Band) (dBm) | | | | | | | |
|-----------------------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 23925 | 23925 | 23925 | |
| Frequency (MHz) | | | | 822.5 | 822.5 | 822.5 | |
| 15 | QPSK | 1 | 0 | | 22.90 | | 24.5 |
| 15 | QPSK | 1 | 37 | | 22.69 | | |
| 15 | QPSK | 1 | 74 | | 22.78 | | |
| 15 | QPSK | 36 | 0 | | 21.93 | | 23.5 |
| 15 | QPSK | 36 | 20 | | 21.82 | | |
| 15 | QPSK | 36 | 39 | | 21.68 | | |
| 15 | QPSK | 75 | 0 | | 21.71 | | 23.5 |
| 15 | 16QAM | 1 | 0 | | 21.81 | | |
| 15 | 16QAM | 1 | 37 | | 21.73 | | |
| 15 | 16QAM | 1 | 74 | | 21.77 | | 22.5 |
| 15 | 16QAM | 36 | 0 | | 20.84 | | |
| 15 | 16QAM | 36 | 20 | | 20.91 | | |
| 15 | 16QAM | 36 | 39 | | 20.88 | | 22.5 |
| 15 | 16QAM | 75 | 0 | | 20.80 | | |
| 15 | 64QAM | 1 | 0 | | 20.94 | | |
| 15 | 64QAM | 1 | 25 | | 20.94 | | 22.5 |
| 15 | 64QAM | 1 | 49 | | 20.89 | | |
| 15 | 64QAM | 25 | 0 | | 19.81 | | |
| 15 | 64QAM | 25 | 12 | | 19.78 | | 21.5 |
| 15 | 64QAM | 25 | 25 | | 19.73 | | |
| 15 | 64QAM | 50 | 0 | | 19.84 | | |
| Channel | | | | 23900 | 23925 | 23950 | |
| Frequency (MHz) | | | | 820 | 822.5 | 825 | |
| 10 | QPSK | 1 | 0 | 23.76 | 23.86 | 23.72 | 24.5 |
| 10 | QPSK | 1 | 25 | 23.78 | 23.63 | 23.63 | |
| 10 | QPSK | 1 | 49 | 23.66 | 23.80 | 23.80 | |
| 10 | QPSK | 25 | 0 | 22.77 | 22.87 | 22.81 | 23.5 |
| 10 | QPSK | 25 | 12 | 22.81 | 22.83 | 22.83 | |
| 10 | QPSK | 25 | 25 | 22.86 | 22.76 | 22.82 | |
| 10 | QPSK | 50 | 0 | 22.71 | 22.74 | 22.72 | 23.5 |
| 10 | 16QAM | 1 | 0 | 22.87 | 22.91 | 22.75 | |
| 10 | 16QAM | 1 | 25 | 22.91 | 22.78 | 22.91 | |
| 10 | 16QAM | 1 | 49 | 22.69 | 22.89 | 22.67 | 22.5 |
| 10 | 16QAM | 25 | 0 | 21.90 | 21.95 | 21.98 | |
| 10 | 16QAM | 25 | 12 | 21.82 | 21.79 | 21.91 | |
| 10 | 16QAM | 25 | 25 | 21.84 | 21.91 | 21.79 | 22.5 |
| 10 | 16QAM | 50 | 0 | 21.79 | 21.83 | 21.70 | |
| 10 | 64QAM | 1 | 0 | 21.75 | 21.77 | 21.79 | |
| 10 | 64QAM | 1 | 25 | 21.83 | 21.80 | 21.59 | 22.5 |
| 10 | 64QAM | 1 | 49 | 21.69 | 21.86 | 21.74 | |
| 10 | 64QAM | 25 | 0 | 21.88 | 21.84 | 21.82 | |
| 10 | 64QAM | 25 | 12 | 20.69 | 20.86 | 20.86 | 21.5 |
| 10 | 64QAM | 25 | 25 | 20.69 | 21.82 | 20.64 | |
| 10 | 64QAM | 50 | 0 | 20.84 | 20.94 | 20.74 | |
| Channel | | | | 23875 | 23925 | 23975 | |
| Frequency (MHz) | | | | 817.5 | 822.5 | 827.5 | |
| 5 | QPSK | 1 | 0 | 23.82 | 23.85 | 23.84 | 24.5 |
| 5 | QPSK | 1 | 12 | 23.78 | 23.80 | 23.83 | |
| 5 | QPSK | 1 | 24 | 23.68 | 23.75 | 23.63 | |
| 5 | QPSK | 12 | 0 | 22.86 | 22.87 | 22.86 | 23.5 |
| 5 | QPSK | 12 | 7 | 22.84 | 22.80 | 22.68 | |
| 5 | QPSK | 12 | 13 | 22.75 | 22.77 | 22.84 | |
| 5 | QPSK | 25 | 0 | 22.65 | 22.79 | 22.76 | 23.5 |
| 5 | 16QAM | 1 | 0 | 22.66 | 22.87 | 22.80 | |
| 5 | 16QAM | 1 | 12 | 22.80 | 22.71 | 22.91 | |
| 5 | 16QAM | 1 | 24 | 22.68 | 22.83 | 22.62 | 22.5 |
| 5 | 16QAM | 12 | 0 | 21.77 | 21.88 | 21.84 | |
| 5 | 16QAM | 12 | 7 | 21.75 | 21.69 | 21.70 | |
| 5 | 16QAM | 12 | 13 | 21.78 | 21.87 | 21.79 | 22.5 |
| 5 | 16QAM | 25 | 0 | 21.66 | 21.82 | 21.79 | |
| 5 | 64QAM | 1 | 0 | 21.76 | 21.90 | 21.84 | |
| 5 | 64QAM | 1 | 12 | 21.82 | 21.88 | 21.63 | 22.5 |
| 5 | 64QAM | 1 | 24 | 21.83 | 21.66 | 21.77 | |
| 5 | 64QAM | 12 | 0 | 20.90 | 20.88 | 20.85 | |
| 5 | 64QAM | 12 | 7 | 20.86 | 20.97 | 20.87 | 21.5 |
| 5 | 64QAM | 12 | 13 | 20.72 | 20.93 | 20.79 | |
| 5 | 64QAM | 25 | 0 | 20.80 | 20.88 | 20.79 | |

| Band 19 (835MHz Band) (dBm) | | | | | | | |
|-----------------------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 24075 | 24075 | 24075 | |
| Frequency (MHz) | | | | 837.5 | 837.5 | 837.5 | |
| 15 | QPSK | 1 | 0 | | 22.84 | | 24.5 |
| 15 | QPSK | 1 | 37 | | 22.71 | | |
| 15 | QPSK | 1 | 74 | | 22.68 | | |
| 15 | QPSK | 36 | 0 | | 21.91 | | 23.5 |
| 15 | QPSK | 36 | 20 | | 21.67 | | |
| 15 | QPSK | 36 | 39 | | 21.59 | | |
| 15 | QPSK | 75 | 0 | | 21.67 | | 23.5 |
| 15 | 16QAM | 1 | 0 | | 21.73 | | |
| 15 | 16QAM | 1 | 37 | | 21.60 | | |
| 15 | 16QAM | 1 | 74 | | 21.74 | | 22.5 |
| 15 | 16QAM | 36 | 0 | | 20.87 | | |
| 15 | 16QAM | 36 | 20 | | 20.56 | | |
| 15 | 16QAM | 36 | 39 | | 20.78 | | 22.5 |
| 15 | 16QAM | 75 | 0 | | 20.75 | | |
| 15 | 64QAM | 1 | 0 | | 20.85 | | |
| 15 | 64QAM | 1 | 25 | | 20.82 | | 22.5 |
| 15 | 64QAM | 1 | 49 | | 20.65 | | |
| 15 | 64QAM | 25 | 0 | | 19.82 | | |
| 15 | 64QAM | 25 | 12 | | 19.77 | | 21.5 |
| 15 | 64QAM | 25 | 25 | | 19.93 | | |
| 15 | 64QAM | 50 | 0 | | 19.70 | | |
| Channel | | | | 24050 | 24075 | 24100 | |
| Frequency (MHz) | | | | 835 | 837.5 | 840 | |
| 10 | QPSK | 1 | 0 | 23.55 | 23.81 | 23.74 | 24.5 |
| 10 | QPSK | 1 | 25 | 23.55 | 23.65 | 23.62 | |
| 10 | QPSK | 1 | 49 | 23.59 | 23.66 | 23.77 | |
| 10 | QPSK | 25 | 0 | 22.71 | 22.83 | 22.74 | 23.5 |
| 10 | QPSK | 25 | 12 | 22.63 | 22.69 | 22.79 | |
| 10 | QPSK | 25 | 25 | 22.59 | 22.67 | 22.70 | |
| 10 | QPSK | 50 | 0 | 22.68 | 22.71 | 22.64 | 23.5 |
| 10 | 16QAM | 1 | 0 | 22.73 | 22.75 | 22.82 | |
| 10 | 16QAM | 1 | 25 | 22.78 | 22.87 | 22.86 | |
| 10 | 16QAM | 1 | 49 | 22.70 | 22.86 | 22.69 | 22.5 |
| 10 | 16QAM | 25 | 0 | 21.79 | 21.87 | 21.82 | |
| 10 | 16QAM | 25 | 12 | 21.70 | 21.81 | 21.60 | |
| 10 | 16QAM | 25 | 25 | 21.83 | 21.80 | 21.77 | 22.5 |
| 10 | 16QAM | 50 | 0 | 21.70 | 21.81 | 21.83 | |
| 10 | 64QAM | 1 | 0 | 21.74 | 21.88 | 21.89 | |
| 10 | 64QAM | 1 | 25 | 21.76 | 21.73 | 21.54 | 22.5 |
| 10 | 64QAM | 1 | 49 | 21.88 | 21.86 | 21.87 | |
| 10 | 64QAM | 25 | 0 | 20.83 | 20.90 | 20.75 | |
| 10 | 64QAM | 25 | 12 | 20.82 | 20.77 | 20.97 | 21.5 |
| 10 | 64QAM | 25 | 25 | 20.84 | 20.67 | 20.73 | |
| 10 | 64QAM | 50 | 0 | 20.67 | 20.74 | 20.70 | |
| Channel | | | | 24025 | 24075 | 24125 | |
| Frequency (MHz) | | | | 832.5 | 837.5 | 842.5 | |
| 5 | QPSK | 1 | 0 | 23.71 | 23.80 | 23.75 | 24.5 |
| 5 | QPSK | 1 | 12 | 23.57 | 23.59 | 23.79 | |
| 5 | QPSK | 1 | 24 | 23.63 | 23.71 | 23.78 | |
| 5 | QPSK | 12 | 0 | 22.69 | 22.85 | 22.78 | 23.5 |
| 5 | QPSK | 12 | 7 | 22.83 | 22.88 | 22.59 | |
| 5 | QPSK | 12 | 13 | 22.62 | 22.84 | 22.81 | |
| 5 | QPSK | 25 | 0 | 22.63 | 22.76 | 22.93 | 23.5 |
| 5 | 16QAM | 1 | 0 | 22.69 | 22.94 | 22.60 | |
| 5 | 16QAM | 1 | 12 | 22.75 | 22.65 | 22.65 | |
| 5 | 16QAM | 1 | 24 | 22.66 | 22.58 | 22.82 | 22.5 |
| 5 | 16QAM | 12 | 0 | 21.63 | 21.69 | 21.75 | |
| 5 | 16QAM | 12 | 7 | 21.64 | 21.58 | 21.70 | |
| 5 | 16QAM | 12 | 13 | 21.83 | 21.91 | 21.67 | 22.5 |
| 5 | 16QAM | 25 | 0 | 21.73 | 21.77 | 21.79 | |
| 5 | 64QAM | 1 | 0 | 21.67 | 21.66 | 21.71 | |
| 5 | 64QAM | 1 | 12 | 21.66 | 21.66 | 21.54 | 22.5 |
| 5 | 64QAM | 1 | 24 | 21.60 | 21.52 | 21.58 | |
| 5 | 64QAM | 12 | 0 | 20.88 | 20.92 | 20.76 | |
| 5 | 64QAM | 12 | 7 | 20.65 | 20.77 | 20.94 | 21.5 |
| 5 | 64QAM | 12 | 13 | 20.69 | 20.82 | 20.85 | |
| 5 | 64QAM | 25 | 0 | 20.63 | 20.99 | 20.79 | |



| Band 25 (1900MHz Band) (dBm) Part 24E | | | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 26140 | 26365 | 26590 | | | |
| Frequency (MHz) | | | | 1860 | 1882.5 | 1905 | | | |
| 20 | QPSK | 1 | 0 | 23.37 | 23.42 | 23.28 | 24 | | |
| 20 | QPSK | 1 | 49 | 23.21 | 23.16 | 23.29 | | | |
| 20 | QPSK | 1 | 99 | 23.31 | 23.33 | 23.31 | | | |
| 20 | QPSK | 50 | 0 | 22.36 | 22.45 | 22.43 | 23 | | |
| 20 | QPSK | 50 | 24 | 22.17 | 22.43 | 22.28 | | | |
| 20 | QPSK | 50 | 50 | 22.32 | 22.39 | 22.34 | | | |
| 20 | QPSK | 100 | 0 | 22.38 | 22.30 | 22.24 | 23 | | |
| 20 | 16QAM | 1 | 0 | 22.32 | 22.43 | 22.22 | | | |
| 20 | 16QAM | 1 | 49 | 22.12 | 22.41 | 22.22 | | | |
| 20 | 16QAM | 1 | 99 | 22.33 | 22.35 | 22.27 | 22 | | |
| 20 | 16QAM | 50 | 0 | 21.24 | 21.29 | 21.41 | | | |
| 20 | 16QAM | 50 | 24 | 21.21 | 21.34 | 21.11 | | | |
| 20 | 16QAM | 50 | 50 | 21.34 | 21.36 | 21.25 | 22 | | |
| 20 | 16QAM | 100 | 0 | 21.43 | 21.25 | 21.35 | | | |
| 20 | 64QAM | 1 | 0 | 21.20 | 21.38 | 21.24 | | | |
| 20 | 64QAM | 1 | 49 | 21.29 | 21.38 | 21.18 | 22 | | |
| 20 | 64QAM | 1 | 99 | 21.34 | 21.32 | 21.27 | | | |
| 20 | 64QAM | 50 | 0 | 20.34 | 20.40 | 20.38 | | | |
| 20 | 64QAM | 50 | 24 | 20.37 | 20.41 | 20.35 | 21 | | |
| 20 | 64QAM | 50 | 50 | 20.37 | 20.37 | 20.17 | | | |
| 20 | 64QAM | 100 | 0 | 20.32 | 20.28 | 20.35 | | | |
| Channel | | | | 26115 | 26365 | 26615 | | | |
| Frequency (MHz) | | | | 1857.5 | 1882.5 | 1907.5 | | | |
| 15 | QPSK | 1 | 0 | 23.16 | 23.39 | 23.19 | 24 | | |
| 15 | QPSK | 1 | 37 | 23.34 | 23.33 | 23.23 | | | |
| 15 | QPSK | 1 | 74 | 23.12 | 23.22 | 23.36 | | | |
| 15 | QPSK | 36 | 0 | 23.39 | 22.44 | 22.41 | 23 | | |
| 15 | QPSK | 36 | 20 | 22.33 | 22.38 | 22.35 | | | |
| 15 | QPSK | 36 | 39 | 22.30 | 22.30 | 22.26 | | | |
| 15 | QPSK | 75 | 0 | 22.35 | 22.20 | 22.32 | 23 | | |
| 15 | 16QAM | 1 | 0 | 22.41 | 22.40 | 22.42 | | | |
| 15 | 16QAM | 1 | 37 | 22.18 | 22.20 | 22.34 | | | |
| 15 | 16QAM | 1 | 74 | 22.19 | 22.27 | 22.17 | 23 | | |
| 15 | 16QAM | 36 | 0 | 21.40 | 21.44 | 21.29 | | | |
| 15 | 16QAM | 36 | 20 | 21.31 | 21.19 | 21.18 | | | |
| 15 | 16QAM | 36 | 39 | 21.31 | 21.34 | 21.37 | 22 | | |
| 15 | 16QAM | 75 | 0 | 21.28 | 21.23 | 21.20 | | | |
| 15 | 64QAM | 1 | 0 | 21.23 | 21.42 | 21.29 | | | |
| 15 | 64QAM | 1 | 37 | 21.44 | 21.34 | 21.25 | 22 | | |
| 15 | 64QAM | 1 | 74 | 21.46 | 21.37 | 21.38 | | | |
| 15 | 64QAM | 36 | 0 | 20.34 | 20.41 | 20.39 | | | |
| 15 | 64QAM | 36 | 20 | 20.29 | 20.40 | 20.22 | 21 | | |
| 15 | 64QAM | 36 | 39 | 20.28 | 20.32 | 20.18 | | | |
| 15 | 64QAM | 75 | 0 | 20.29 | 20.36 | 20.30 | | | |
| Channel | | | | 26090 | 26365 | 26640 | | | |
| Frequency (MHz) | | | | 1855 | 1882.5 | 1910 | | | |
| 10 | QPSK | 1 | 0 | 23.31 | 23.40 | 23.28 | 24 | | |
| 10 | QPSK | 1 | 25 | 23.15 | 23.35 | 23.14 | | | |
| 10 | QPSK | 1 | 49 | 23.36 | 23.25 | 23.27 | | | |
| 10 | QPSK | 25 | 0 | 22.26 | 22.39 | 22.41 | 23 | | |
| 10 | QPSK | 25 | 12 | 22.24 | 22.33 | 22.40 | | | |
| 10 | QPSK | 25 | 25 | 22.23 | 22.30 | 22.35 | | | |
| 10 | QPSK | 50 | 0 | 22.32 | 22.28 | 22.42 | 23 | | |
| 10 | 16QAM | 1 | 0 | 22.33 | 22.38 | 22.21 | | | |
| 10 | 16QAM | 1 | 25 | 22.29 | 22.22 | 22.32 | | | |
| 10 | 16QAM | 1 | 49 | 22.30 | 22.21 | 22.39 | 23 | | |
| 10 | 16QAM | 25 | 0 | 21.19 | 21.42 | 21.25 | | | |
| 10 | 16QAM | 25 | 12 | 21.36 | 21.28 | 21.45 | | | |
| 10 | 16QAM | 25 | 25 | 21.34 | 21.45 | 21.25 | 22 | | |
| 10 | 16QAM | 50 | 0 | 21.29 | 21.31 | 21.26 | | | |
| 10 | 64QAM | 1 | 0 | 21.29 | 21.26 | 21.17 | | | |
| 10 | 64QAM | 1 | 25 | 21.31 | 21.33 | 21.34 | 22 | | |
| 10 | 64QAM | 1 | 49 | 21.30 | 21.13 | 21.34 | | | |
| 10 | 64QAM | 25 | 0 | 20.37 | 20.37 | 20.40 | | | |
| 10 | 64QAM | 25 | 12 | 20.23 | 20.29 | 20.32 | 21 | | |
| 10 | 64QAM | 25 | 25 | 20.25 | 20.22 | 20.43 | | | |
| 10 | 64QAM | 50 | 0 | 20.43 | 20.41 | 20.40 | | | |
| Channel | | | | 26065 | 26365 | 26665 | | | |
| Frequency (MHz) | | | | 1822.5 | 1882.5 | 1912.5 | | | |
| 5 | QPSK | 1 | 0 | 23.29 | 23.37 | 23.26 | 24 | | |
| 5 | QPSK | 1 | 12 | 23.14 | 23.20 | 23.21 | | | |
| 5 | QPSK | 1 | 24 | 23.33 | 23.28 | 23.15 | | | |
| 5 | QPSK | 12 | 0 | 22.32 | 22.38 | 22.37 | 23 | | |
| 5 | QPSK | 12 | 7 | 22.38 | 22.30 | 22.26 | | | |
| 5 | QPSK | 12 | 13 | 22.29 | 22.37 | 22.26 | | | |
| 5 | QPSK | 25 | 0 | 22.19 | 22.23 | 22.36 | 23 | | |
| 5 | 16QAM | 1 | 0 | 22.44 | 22.45 | 22.36 | | | |
| 5 | 16QAM | 1 | 12 | 22.34 | 22.39 | 22.30 | | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.36 | 22.41 | 23 | | |
| 5 | 16QAM | 12 | 0 | 21.41 | 21.37 | 21.31 | | | |
| 5 | 16QAM | 12 | 7 | 21.28 | 21.33 | 21.15 | | | |
| 5 | 16QAM | 12 | 13 | 21.34 | 21.40 | 21.16 | 22 | | |
| 5 | 16QAM | 25 | 0 | 21.29 | 21.22 | 21.26 | | | |
| 5 | 64QAM | 1 | 0 | 21.16 | 21.41 | 21.24 | | | |
| 5 | 64QAM | 1 | 12 | 21.43 | 21.34 | 21.25 | 22 | | |
| 5 | 64QAM | 1 | 24 | 21.22 | 21.36 | 21.26 | | | |
| 5 | 64QAM | 12 | 0 | 20.38 | 20.36 | 20.33 | | | |
| 5 | 64QAM | 12 | 7 | 20.34 | 20.32 | 20.36 | 21 | | |
| 5 | 64QAM | 12 | 13 | 20.38 | 20.23 | 20.16 | | | |
| 5 | 64QAM | 25 | 0 | 20.39 | 20.33 | 20.27 | | | |
| Channel | | | | 26055 | 26365 | 26675 | | | |
| Frequency (MHz) | | | | 1851.5 | 1882.5 | 1913.5 | | | |
| 3 | QPSK | 1 | 0 | 23.22 | 23.38 | 23.22 | 24 | | |
| 3 | QPSK | 1 | 8 | 23.31 | 23.15 | 23.11 | | | |
| 3 | QPSK | 1 | 14 | 23.25 | 23.29 | 23.42 | | | |
| 3 | QPSK | 8 | 0 | 22.33 | 22.37 | 22.36 | 23 | | |
| 3 | QPSK | 8 | 4 | 22.29 | 22.30 | 22.28 | | | |
| 3 | QPSK | 8 | 7 | 22.24 | 22.17 | 22.33 | | | |

| Band 26 for FCC (dBm) (only on channel required) | | | | | | | | | |
|---|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 26765 | 26865 | 26965 | | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | | |
| 15 | QPSK | 1 | 0 | 23.79 | 23.88 | 23.80 | 24.5 | | |
| 15 | QPSK | 1 | 37 | 23.58 | 23.77 | 23.79 | | | |
| 15 | QPSK | 1 | 74 | 23.60 | 23.71 | 23.81 | | | |
| 15 | QPSK | 36 | 0 | 22.86 | 22.90 | 22.71 | 23.5 | | |
| 15 | QPSK | 36 | 20 | 22.65 | 22.65 | 22.60 | | | |
| 15 | QPSK | 36 | 39 | 22.58 | 22.71 | 22.86 | | | |
| 15 | QPSK | 75 | 0 | 22.58 | 22.73 | 22.77 | 23.5 | | |
| 15 | 16QAM | 1 | 0 | 22.82 | 22.76 | 22.60 | | | |
| 15 | 16QAM | 1 | 37 | 22.83 | 22.80 | 22.81 | | | |
| 15 | 16QAM | 1 | 74 | 22.87 | 22.70 | 22.59 | 22.5 | | |
| 15 | 16QAM | 36 | 0 | 21.86 | 21.70 | 21.66 | | | |
| 15 | 16QAM | 36 | 20 | 21.77 | 21.58 | 21.68 | | | |
| 15 | 16QAM | 36 | 39 | 21.83 | 21.87 | 21.89 | 22.5 | | |
| 15 | 16QAM | 75 | 0 | 21.81 | 21.65 | 21.61 | | | |
| 15 | 64QAM | 1 | 0 | 21.81 | 21.93 | 21.77 | | | |
| 15 | 64QAM | 1 | 37 | 21.80 | 21.90 | 21.61 | 22.5 | | |
| 15 | 64QAM | 1 | 74 | 21.84 | 21.83 | 21.55 | | | |
| 15 | 64QAM | 36 | 0 | 20.72 | 20.81 | 20.85 | | | |
| 15 | 64QAM | 36 | 20 | 20.75 | 20.72 | 20.78 | 21.5 | | |
| 15 | 64QAM | 36 | 39 | 20.84 | 20.64 | 20.71 | | | |
| 15 | 64QAM | 75 | 0 | 20.69 | 20.76 | 20.83 | | | |
| Channel | | | | 26740 | 26865 | 26990 | | | |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | | |
| 10 | QPSK | 1 | 0 | 23.63 | 23.85 | 23.67 | 24.5 | | |
| 10 | QPSK | 1 | 25 | 23.62 | 23.79 | 23.79 | | | |
| 10 | QPSK | 1 | 49 | 23.70 | 23.68 | 23.69 | | | |
| 10 | QPSK | 25 | 0 | 22.86 | 22.80 | 22.83 | 23.5 | | |
| 10 | QPSK | 25 | 12 | 22.66 | 22.79 | 22.91 | | | |
| 10 | QPSK | 25 | 25 | 22.66 | 22.80 | 22.70 | | | |
| 10 | QPSK | 50 | 0 | 22.59 | 22.70 | 22.86 | 23.5 | | |
| 10 | 16QAM | 1 | 0 | 22.73 | 22.72 | 22.78 | | | |
| 10 | 16QAM | 1 | 25 | 22.69 | 22.86 | 22.90 | | | |
| 10 | 16QAM | 1 | 49 | 22.66 | 22.76 | 22.82 | 23.5 | | |
| 10 | 16QAM | 25 | 0 | 21.66 | 21.75 | 21.88 | | | |
| 10 | 16QAM | 25 | 12 | 21.89 | 21.61 | 21.54 | | | |
| 10 | 16QAM | 25 | 25 | 21.75 | 21.86 | 21.81 | 22.5 | | |
| 10 | 16QAM | 50 | 0 | 21.71 | 21.75 | 21.64 | | | |
| 10 | 64QAM | 1 | 0 | 21.86 | 21.86 | 21.72 | | | |
| 10 | 64QAM | 1 | 25 | 21.69 | 21.70 | 21.56 | 22.5 | | |
| 10 | 64QAM | 1 | 49 | 21.83 | 21.71 | 21.59 | | | |
| 10 | 64QAM | 25 | 0 | 20.96 | 20.77 | 20.87 | | | |
| 10 | 64QAM | 25 | 12 | 20.66 | 20.75 | 20.85 | 21.5 | | |
| 10 | 64QAM | 25 | 25 | 20.62 | 20.69 | 20.82 | | | |
| 10 | 6 | | | | | | | | |



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| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 22.22 | 22.44 | 22.25 | 23 |
| 3 | 16QAM | 1 | 0 | 22.39 | 22.33 | 22.34 | |
| 3 | 16QAM | 1 | 8 | 22.41 | 22.29 | 22.26 | |
| 3 | 16QAM | 1 | 14 | 22.33 | 22.23 | 22.08 | 22 |
| 3 | 16QAM | 8 | 0 | 21.19 | 21.40 | 21.39 | |
| 3 | 16QAM | 8 | 4 | 21.25 | 21.23 | 21.15 | |
| 3 | 16QAM | 8 | 7 | 21.31 | 21.33 | 21.41 | 22 |
| 3 | 16QAM | 15 | 0 | 21.35 | 21.37 | 21.13 | |
| 3 | 64QAM | 1 | 0 | 21.34 | 21.33 | 21.39 | |
| 3 | 64QAM | 1 | 8 | 21.36 | 21.39 | 21.16 | 22 |
| 3 | 64QAM | 1 | 14 | 21.18 | 21.20 | 21.25 | |
| 3 | 64QAM | 8 | 0 | 20.35 | 20.39 | 20.34 | |
| 3 | 64QAM | 8 | 4 | 20.28 | 20.42 | 20.38 | 21 |
| 3 | 64QAM | 8 | 7 | 20.32 | 20.27 | 20.28 | |
| 3 | 64QAM | 15 | 0 | 20.38 | 20.26 | 20.33 | |
| Channel | | | | 26047 | 26365 | 26683 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1850.7 | 1882.5 | 1914.3 | |
| 1.4 | QPSK | 1 | 0 | 23.31 | 23.37 | 23.20 | 24 |
| 1.4 | QPSK | 1 | 3 | 23.19 | 23.35 | 23.23 | |
| 1.4 | QPSK | 1 | 5 | 23.32 | 23.24 | 23.24 | |
| 1.4 | QPSK | 3 | 0 | 22.42 | 22.45 | 22.34 | |
| 1.4 | QPSK | 3 | 1 | 22.21 | 22.32 | 22.36 | |
| 1.4 | QPSK | 3 | 3 | 22.31 | 22.36 | 22.31 | |
| 1.4 | QPSK | 6 | 0 | 22.36 | 22.31 | 22.28 | 23 |
| 1.4 | 16QAM | 1 | 0 | 22.34 | 22.35 | 22.36 | 22 |
| 1.4 | 16QAM | 1 | 3 | 22.11 | 22.18 | 22.38 | |
| 1.4 | 16QAM | 1 | 5 | 22.33 | 22.36 | 22.21 | |
| 1.4 | 16QAM | 3 | 0 | 21.42 | 21.32 | 21.36 | |
| 1.4 | 16QAM | 3 | 1 | 21.18 | 21.37 | 21.42 | |
| 1.4 | 16QAM | 3 | 3 | 21.42 | 21.43 | 21.39 | |
| 1.4 | 16QAM | 6 | 0 | 21.24 | 21.29 | 21.19 | 21 |
| 1.4 | 64QAM | 1 | 0 | 21.23 | 21.35 | 21.32 | 22 |
| 1.4 | 64QAM | 1 | 3 | 21.23 | 21.37 | 21.16 | |
| 1.4 | 64QAM | 1 | 5 | 21.41 | 21.44 | 21.42 | |
| 1.4 | 64QAM | 3 | 0 | 20.37 | 20.41 | 20.33 | |
| 1.4 | 64QAM | 3 | 1 | 20.33 | 20.34 | 20.31 | |
| 1.4 | 64QAM | 3 | 3 | 20.32 | 20.45 | 20.26 | |
| 1.4 | 64QAM | 6 | 0 | 20.42 | 20.43 | 20.36 | 21 |

| | | | | | | | |
|-----|-------|---|---|-------|-------|-------|------|
| 1.4 | QPSK | 6 | 0 | 22.82 | 22.85 | 22.94 | 23.5 |
| 1.4 | 16QAM | 1 | 0 | 22.62 | 22.69 | 22.56 | 23.5 |
| 1.4 | 16QAM | 1 | 3 | 22.72 | 22.79 | 22.65 | |
| 1.4 | 16QAM | 1 | 5 | 22.67 | 22.87 | 22.60 | |
| 1.4 | 16QAM | 3 | 0 | 21.80 | 21.88 | 21.86 | |
| 1.4 | 16QAM | 3 | 1 | 21.79 | 21.69 | 21.61 | |
| 1.4 | 16QAM | 3 | 3 | 21.73 | 21.82 | 21.82 | |
| 1.4 | 16QAM | 6 | 0 | 21.84 | 21.87 | 21.76 | 22.5 |
| 1.4 | 64QAM | 1 | 0 | 21.80 | 21.72 | 21.56 | 22.5 |
| 1.4 | 64QAM | 1 | 3 | 21.70 | 21.79 | 21.63 | |
| 1.4 | 64QAM | 1 | 5 | 21.68 | 21.77 | 21.63 | |
| 1.4 | 64QAM | 3 | 0 | 20.75 | 20.80 | 20.77 | |
| 1.4 | 64QAM | 3 | 1 | 20.64 | 20.84 | 20.71 | |
| 1.4 | 64QAM | 3 | 3 | 20.65 | 20.82 | 20.54 | |
| 1.4 | 64QAM | 6 | 0 | 20.79 | 20.76 | 20.88 | 21.5 |



| Band 30 (dBm) | | | | | | | |
|-----------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 27710 | | | |
| Frequency (MHz) | | | | 2310 | | | |
| 10 | QPSK | 1 | 0 | | 22.88 | | 23.5 |
| 10 | QPSK | 1 | 25 | | 22.78 | | |
| 10 | QPSK | 1 | 49 | | 22.71 | | |
| 10 | QPSK | 25 | 0 | | 21.90 | | 22.5 |
| 10 | QPSK | 25 | 12 | | 21.82 | | |
| 10 | QPSK | 25 | 25 | | 21.89 | | |
| 10 | QPSK | 50 | 0 | | 21.82 | | 22.5 |
| 10 | 16QAM | 1 | 0 | | 21.87 | | |
| 10 | 16QAM | 1 | 25 | | 21.84 | | |
| 10 | 16QAM | 1 | 49 | | 21.95 | | 21.5 |
| 10 | 16QAM | 25 | 0 | | 20.99 | | |
| 10 | 16QAM | 25 | 12 | | 21.01 | | |
| 10 | 16QAM | 25 | 25 | | 20.74 | | 21.5 |
| 10 | 16QAM | 50 | 0 | | 20.84 | | |
| 10 | 64QAM | 1 | 0 | | 20.95 | | |
| 10 | 64QAM | 1 | 25 | | 20.96 | | 20.5 |
| 10 | 64QAM | 1 | 49 | | 20.89 | | |
| 10 | 64QAM | 25 | 0 | | 19.92 | | |
| 10 | 64QAM | 25 | 12 | | 19.98 | | 20.5 |
| 10 | 64QAM | 25 | 25 | | 19.94 | | |
| 10 | 64QAM | 50 | 0 | | 19.93 | | |
| Channel | | | | 27685 | 27710 | 27735 | |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | |
| 5 | QPSK | 1 | 0 | 22.74 | 22.85 | 22.64 | 23.5 |
| 5 | QPSK | 1 | 12 | 22.69 | 22.65 | 22.62 | |
| 5 | QPSK | 1 | 24 | 22.81 | 22.77 | 22.79 | |
| 5 | QPSK | 12 | 0 | 21.80 | 22.01 | 21.82 | 22.5 |
| 5 | QPSK | 12 | 7 | 21.89 | 21.98 | 22.02 | |
| 5 | QPSK | 12 | 13 | 21.77 | 21.85 | 21.96 | |
| 5 | QPSK | 25 | 0 | 21.75 | 21.71 | 21.96 | 22.5 |
| 5 | 16QAM | 1 | 0 | 21.91 | 21.87 | 21.74 | |
| 5 | 16QAM | 1 | 12 | 21.70 | 21.97 | 22.02 | |
| 5 | 16QAM | 1 | 24 | 21.90 | 21.96 | 21.74 | 21.5 |
| 5 | 16QAM | 12 | 0 | 20.75 | 20.96 | 20.97 | |
| 5 | 16QAM | 12 | 7 | 20.77 | 20.81 | 20.63 | |
| 5 | 16QAM | 12 | 13 | 20.81 | 20.83 | 20.72 | 21.5 |
| 5 | 16QAM | 25 | 0 | 20.76 | 20.71 | 20.68 | |
| 5 | 64QAM | 1 | 0 | 20.84 | 20.81 | 20.65 | |
| 5 | 64QAM | 1 | 12 | 21.00 | 20.90 | 20.71 | 21.5 |
| 5 | 64QAM | 1 | 24 | 20.80 | 20.70 | 20.83 | |
| 5 | 64QAM | 12 | 0 | 19.89 | 19.93 | 19.85 | |
| 5 | 64QAM | 12 | 7 | 19.98 | 19.79 | 19.69 | 20.5 |
| 5 | 64QAM | 12 | 13 | 19.67 | 19.81 | 19.75 | |
| 5 | 64QAM | 25 | 0 | 19.81 | 19.79 | 19.87 | |

| Band 66 (dBm) | | | | | | | |
|-----------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 132072 | 132322 | 132572 | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | |
| 20 | QPSK | 1 | 0 | 23.36 | 23.41 | 23.32 | 24 |
| 20 | QPSK | 1 | 49 | 23.24 | 23.37 | 23.13 | |
| 20 | QPSK | 1 | 99 | 23.15 | 23.35 | 23.20 | |
| 20 | QPSK | 50 | 0 | 22.33 | 22.40 | 22.39 | 23 |
| 20 | QPSK | 50 | 24 | 22.21 | 22.27 | 22.19 | |
| 20 | QPSK | 50 | 50 | 22.22 | 22.24 | 22.31 | |
| 20 | QPSK | 100 | 0 | 22.28 | 22.24 | 22.22 | 23 |
| 20 | 16QAM | 1 | 0 | 22.19 | 22.28 | 22.30 | |
| 20 | 16QAM | 1 | 49 | 22.28 | 22.19 | 22.35 | |
| 20 | 16QAM | 1 | 99 | 22.34 | 22.22 | 22.26 | 22 |
| 20 | 16QAM | 50 | 0 | 21.22 | 21.38 | 21.38 | |
| 20 | 16QAM | 50 | 24 | 21.39 | 21.42 | 21.34 | |
| 20 | 16QAM | 50 | 50 | 21.33 | 21.25 | 21.41 | 22 |
| 20 | 16QAM | 100 | 0 | 21.44 | 21.35 | 21.40 | |
| 20 | 64QAM | 1 | 0 | 21.18 | 21.33 | 21.21 | |
| 20 | 64QAM | 1 | 49 | 21.24 | 21.40 | 21.16 | 22 |
| 20 | 64QAM | 1 | 99 | 21.36 | 21.19 | 21.34 | |
| 20 | 64QAM | 50 | 0 | 20.41 | 20.39 | 20.32 | |
| 20 | 64QAM | 50 | 24 | 20.39 | 20.28 | 20.30 | 21 |
| 20 | 64QAM | 50 | 50 | 20.27 | 20.25 | 20.28 | |
| 20 | 64QAM | 100 | 0 | 20.23 | 20.31 | 20.27 | |
| Channel | | | | 132047 | 132322 | 132597 | |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | |
| 15 | QPSK | 1 | 0 | 23.32 | 23.38 | 23.29 | 24 |
| 15 | QPSK | 1 | 37 | 23.07 | 23.21 | 23.15 | |
| 15 | QPSK | 1 | 74 | 23.11 | 23.30 | 23.24 | |
| 15 | QPSK | 36 | 0 | 22.29 | 22.44 | 22.39 | 23 |
| 15 | QPSK | 36 | 20 | 22.31 | 22.35 | 22.24 | |
| 15 | QPSK | 36 | 39 | 22.37 | 22.24 | 22.37 | |
| 15 | QPSK | 75 | 0 | 22.26 | 22.28 | 22.35 | 23 |
| 15 | 16QAM | 1 | 0 | 22.33 | 22.33 | 22.33 | |
| 15 | 16QAM | 1 | 37 | 22.30 | 22.25 | 22.35 | |
| 15 | 16QAM | 1 | 74 | 22.31 | 22.17 | 22.16 | 22 |
| 15 | 16QAM | 36 | 0 | 21.36 | 21.42 | 21.38 | |
| 15 | 16QAM | 36 | 20 | 21.21 | 21.20 | 21.22 | |
| 15 | 16QAM | 36 | 39 | 21.35 | 21.27 | 21.20 | 22 |
| 15 | 16QAM | 75 | 0 | 21.42 | 21.23 | 21.40 | |
| 15 | 64QAM | 1 | 0 | 21.15 | 21.40 | 21.27 | |
| 15 | 64QAM | 1 | 37 | 21.33 | 21.23 | 21.23 | 22 |
| 15 | 64QAM | 1 | 74 | 21.25 | 21.20 | 21.26 | |
| 15 | 64QAM | 36 | 0 | 20.44 | 20.39 | 20.34 | |
| 15 | 64QAM | 36 | 20 | 20.45 | 20.26 | 20.33 | 21 |
| 15 | 64QAM | 36 | 39 | 20.26 | 20.31 | 20.22 | |
| 15 | 64QAM | 75 | 0 | 20.40 | 20.39 | 20.48 | |
| Channel | | | | 132022 | 132322 | 132622 | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | |
| 10 | QPSK | 1 | 0 | 23.32 | 23.38 | 23.19 | 24 |
| 10 | QPSK | 1 | 25 | 23.20 | 23.32 | 23.23 | |
| 10 | QPSK | 1 | 49 | 23.24 | 23.20 | 23.25 | |
| 10 | QPSK | 25 | 0 | 22.27 | 22.42 | 22.35 | 23 |
| 10 | QPSK | 25 | 12 | 22.25 | 22.27 | 22.40 | |
| 10 | QPSK | 25 | 25 | 22.35 | 22.24 | 22.41 | |
| 10 | QPSK | 50 | 0 | 22.40 | 22.38 | 22.20 | 23 |
| 10 | 16QAM | 1 | 0 | 22.22 | 22.28 | 22.13 | |
| 10 | 16QAM | 1 | 25 | 22.13 | 22.34 | 22.49 | |
| 10 | 16QAM | 1 | 49 | 22.28 | 22.16 | 22.27 | 22 |
| 10 | 16QAM | 25 | 0 | 21.18 | 21.31 | 21.23 | |
| 10 | 16QAM | 25 | 12 | 21.44 | 21.20 | 21.13 | |
| 10 | 16QAM | 25 | 25 | 21.32 | 21.36 | 21.45 | 22 |
| 10 | 16QAM | 50 | 0 | 21.18 | 21.41 | 21.20 | |
| 10 | 64QAM | 1 | 0 | 21.28 | 21.41 | 21.20 | |
| 10 | 64QAM | 1 | 25 | 21.37 | 21.31 | 21.44 | 22 |
| 10 | 64QAM | 1 | 49 | 21.30 | 21.12 | 21.30 | |
| 10 | 64QAM | 25 | 0 | 20.31 | 20.42 | 20.44 | |
| 10 | 64QAM | 25 | 12 | 20.29 | 20.30 | 20.43 | 21 |
| 10 | 64QAM | 25 | 25 | 20.23 | 20.40 | 20.38 | |
| 10 | 64QAM | 50 | 0 | 20.44 | 20.26 | 20.35 | |
| Channel | | | | 131997 | 132322 | 132647 | |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | |
| 5 | QPSK | 1 | 0 | 23.37 | 23.36 | 23.22 | 24 |
| 5 | QPSK | 1 | 12 | 23.14 | 23.22 | 23.17 | |
| 5 | QPSK | 1 | 24 | 23.22 | 23.32 | 23.24 | |
| 5 | QPSK | 12 | 0 | 22.36 | 22.29 | 22.29 | 23 |
| 5 | QPSK | 12 | 7 | 22.30 | 22.33 | 22.23 | |
| 5 | QPSK | 12 | 13 | 22.25 | 22.31 | 22.29 | |
| 5 | QPSK | 25 | 0 | 22.29 | 22.26 | 22.33 | 23 |
| 5 | 16QAM | 1 | 0 | 22.19 | 22.31 | 22.14 | |
| 5 | 16QAM | 1 | 12 | 22.12 | 22.40 | 22.26 | |
| 5 | 16QAM | 1 | 24 | 22.37 | 22.15 | 22.37 | 22 |
| 5 | 16QAM | 12 | 0 | 21.22 | 21.32 | 21.28 | |
| 5 | 16QAM | 12 | 7 | 21.33 | 21.39 | 21.30 | |
| 5 | 16QAM | 12 | 13 | 21.30 | 21.28 | 21.43 | 22 |
| 5 | 16QAM | 25 | 0 | 21.17 | 21.24 | 21.28 | |
| 5 | 64QAM | 1 | 0 | 21.37 | 21.33 | 21.26 | |
| 5 | 64QAM | 1 | 12 | 21.26 | 21.41 | 21.38 | 22 |
| 5 | 64QAM | 1 | 24 | 21.17 | 21.21 | 21.21 | |
| 5 | 64QAM | 12 | 0 | 20.41 | 20.39 | 20.48 | |
| 5 | 64QAM | 12 | 7 | 20.33 | 20.32 | 20.33 | 21 |
| 5 | 64QAM | 12 | 13 | 20.21 | 20.20 | 20.25 | |
| 5 | 64QAM | 25 | 0 | 20.40 | 20.28 | 20.47 | |
| Channel | | | | 131997 | 132322 | 132857 | |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | |
| 3 | QPSK | 1 | 0 | 23.33 | 23.39 | 23.34 | 24 |
| 3 | QPSK | 1 | 8 | 23.38 | 23.15 | 23.33 | |
| 3 | QPSK | 1 | 14 | 23.25 | 23.27 | 23.28 | |
| 3 | QPSK | 8 | 0 | 22.39 | 22.28 | 22.36 | 23 |
| 3 | QPSK | 8 | 4 | 22.26 | 22.29 | 22.24 | |
| 3 | QPSK | 8 | 7 | 22.39 | 22.25 | 22.23 | |



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| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 22.44 | 22.52 | 22.49 | |
| 3 | 16QAM | 1 | 0 | 22.39 | 22.39 | 22.21 | 23 |
| 3 | 16QAM | 1 | 8 | 22.40 | 22.33 | 22.43 | |
| 3 | 16QAM | 1 | 14 | 22.40 | 22.40 | 22.16 | |
| 3 | 16QAM | 8 | 0 | 21.42 | 21.44 | 21.26 | 22 |
| 3 | 16QAM | 8 | 4 | 21.47 | 21.47 | 21.26 | |
| 3 | 16QAM | 8 | 7 | 21.21 | 21.32 | 21.23 | |
| 3 | 16QAM | 15 | 0 | 21.25 | 21.33 | 21.16 | 22 |
| 3 | 64QAM | 1 | 0 | 21.18 | 21.37 | 21.28 | |
| 3 | 64QAM | 1 | 8 | 21.32 | 21.31 | 21.13 | |
| 3 | 64QAM | 1 | 14 | 21.30 | 21.22 | 21.25 | 21 |
| 3 | 64QAM | 8 | 0 | 20.42 | 20.38 | 20.30 | |
| 3 | 64QAM | 8 | 4 | 20.27 | 20.27 | 20.39 | |
| 3 | 64QAM | 8 | 7 | 20.35 | 20.40 | 20.33 | 21 |
| 3 | 64QAM | 8 | 0 | 20.30 | 20.54 | 20.37 | |
| 3 | 64QAM | 15 | 0 | 20.30 | 20.54 | 20.37 | |
| Channel | | | | 131979 | 132922 | 132665 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | |
| 1.4 | QPSK | 1 | 0 | 23.17 | 23.37 | 23.36 | 24 |
| 1.4 | QPSK | 1 | 3 | 23.15 | 23.26 | 23.18 | |
| 1.4 | QPSK | 1 | 5 | 23.29 | 23.24 | 23.13 | |
| 1.4 | QPSK | 3 | 0 | 22.36 | 22.41 | 22.45 | |
| 1.4 | QPSK | 3 | 1 | 22.21 | 22.41 | 22.46 | |
| 1.4 | QPSK | 3 | 3 | 22.18 | 22.35 | 22.45 | |
| 1.4 | QPSK | 6 | 0 | 22.40 | 22.35 | 22.19 | 23 |
| 1.4 | 16QAM | 1 | 0 | 22.38 | 22.60 | 22.17 | 23 |
| 1.4 | 16QAM | 1 | 3 | 22.12 | 22.51 | 22.37 | |
| 1.4 | 16QAM | 1 | 5 | 22.20 | 22.46 | 22.15 | |
| 1.4 | 16QAM | 3 | 0 | 21.27 | 21.62 | 21.33 | |
| 1.4 | 16QAM | 3 | 1 | 21.46 | 21.40 | 21.30 | |
| 1.4 | 16QAM | 3 | 3 | 21.54 | 21.50 | 21.22 | |
| 1.4 | 16QAM | 6 | 0 | 21.20 | 21.31 | 21.17 | 22 |
| 1.4 | 64QAM | 1 | 0 | 21.30 | 21.51 | 21.38 | 22 |
| 1.4 | 64QAM | 1 | 3 | 21.40 | 21.40 | 21.39 | |
| 1.4 | 64QAM | 1 | 5 | 21.27 | 21.32 | 21.37 | |
| 1.4 | 64QAM | 3 | 0 | 20.47 | 20.56 | 20.44 | |
| 1.4 | 64QAM | 3 | 1 | 20.32 | 20.45 | 20.41 | |
| 1.4 | 64QAM | 3 | 3 | 20.28 | 20.22 | 20.46 | |
| 1.4 | 64QAM | 6 | 0 | 20.57 | 20.43 | 20.54 | 21 |



| Band 71 (dBm) | | | | | | | |
|-----------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 133222 | 133322 | 133372 | |
| Frequency (MHz) | | | | 673 | 683 | 688 | |
| 20 | QPSK | 1 | 0 | 22.76 | 22.80 | 22.74 | 24.5 |
| 20 | QPSK | 1 | 49 | 22.68 | 22.75 | 22.66 | |
| 20 | QPSK | 1 | 99 | 22.73 | 22.65 | 22.70 | |
| 20 | QPSK | 50 | 0 | 21.73 | 21.87 | 21.86 | 23.5 |
| 20 | QPSK | 50 | 24 | 21.85 | 21.77 | 21.83 | |
| 20 | QPSK | 50 | 50 | 21.84 | 21.70 | 21.71 | |
| 20 | QPSK | 100 | 0 | 21.64 | 21.79 | 21.74 | 23.5 |
| 20 | 16QAM | 1 | 0 | 21.90 | 21.91 | 21.76 | |
| 20 | 16QAM | 1 | 49 | 21.82 | 21.74 | 21.88 | |
| 20 | 16QAM | 1 | 99 | 21.76 | 21.79 | 21.77 | 22.5 |
| 20 | 16QAM | 50 | 0 | 20.90 | 20.84 | 20.95 | |
| 20 | 16QAM | 50 | 24 | 20.74 | 20.71 | 20.90 | |
| 20 | 16QAM | 50 | 50 | 20.85 | 20.72 | 20.77 | 22.5 |
| 20 | 16QAM | 100 | 0 | 20.74 | 20.77 | 20.84 | |
| 20 | 64QAM | 1 | 0 | 20.77 | 20.76 | 20.71 | |
| 20 | 64QAM | 1 | 49 | 20.80 | 20.93 | 20.81 | 22.5 |
| 20 | 64QAM | 1 | 99 | 20.79 | 20.93 | 20.72 | |
| 20 | 64QAM | 50 | 0 | 19.83 | 19.76 | 19.76 | |
| 20 | 64QAM | 50 | 24 | 19.76 | 19.84 | 19.82 | 21.5 |
| 20 | 64QAM | 50 | 50 | 19.65 | 19.68 | 19.76 | |
| 20 | 64QAM | 100 | 0 | 19.81 | 19.75 | 19.80 | |
| Channel | | | | 133197 | 133322 | 133397 | |
| Frequency (MHz) | | | | 670.5 | 683 | 690.5 | |
| 15 | QPSK | 1 | 0 | 23.59 | 23.70 | 23.57 | 24.5 |
| 15 | QPSK | 1 | 37 | 23.64 | 23.60 | 23.63 | |
| 15 | QPSK | 1 | 74 | 23.61 | 23.57 | 23.57 | |
| 15 | QPSK | 36 | 0 | 22.63 | 22.76 | 22.74 | 23.5 |
| 15 | QPSK | 36 | 20 | 22.72 | 22.69 | 22.71 | |
| 15 | QPSK | 36 | 39 | 22.60 | 22.59 | 22.62 | |
| 15 | QPSK | 75 | 0 | 22.68 | 22.61 | 22.73 | 23.5 |
| 15 | 16QAM | 1 | 0 | 22.65 | 22.77 | 22.82 | |
| 15 | 16QAM | 1 | 37 | 22.58 | 22.82 | 22.73 | |
| 15 | 16QAM | 1 | 74 | 22.61 | 22.68 | 22.82 | 22.5 |
| 15 | 16QAM | 36 | 0 | 21.69 | 21.72 | 21.82 | |
| 15 | 16QAM | 36 | 20 | 21.75 | 21.69 | 21.75 | |
| 15 | 16QAM | 36 | 39 | 21.73 | 21.71 | 21.61 | 22.5 |
| 15 | 16QAM | 75 | 0 | 21.55 | 21.72 | 21.64 | |
| 15 | 64QAM | 1 | 0 | 21.62 | 21.76 | 21.65 | |
| 15 | 64QAM | 1 | 37 | 21.60 | 21.85 | 21.76 | 22.5 |
| 15 | 64QAM | 1 | 74 | 21.79 | 21.64 | 21.71 | |
| 15 | 64QAM | 36 | 0 | 20.74 | 20.77 | 20.63 | |
| 15 | 64QAM | 36 | 20 | 20.62 | 20.69 | 20.82 | 21.5 |
| 15 | 64QAM | 36 | 39 | 20.82 | 20.83 | 20.68 | |
| 15 | 64QAM | 75 | 0 | 20.86 | 20.73 | 20.70 | |
| Channel | | | | 133172 | 133322 | 133422 | |
| Frequency (MHz) | | | | 668 | 683 | 693 | |
| 10 | QPSK | 1 | 0 | 23.64 | 23.68 | 23.54 | 24.5 |
| 10 | QPSK | 1 | 25 | 23.66 | 23.57 | 23.59 | |
| 10 | QPSK | 1 | 49 | 23.61 | 23.63 | 23.61 | |
| 10 | QPSK | 25 | 0 | 22.82 | 22.83 | 22.84 | 23.5 |
| 10 | QPSK | 25 | 12 | 22.61 | 22.69 | 22.65 | |
| 10 | QPSK | 25 | 25 | 22.75 | 22.80 | 22.66 | |
| 10 | QPSK | 50 | 0 | 22.59 | 22.68 | 22.74 | 23.5 |
| 10 | 16QAM | 1 | 0 | 22.83 | 22.73 | 22.84 | |
| 10 | 16QAM | 1 | 25 | 22.65 | 22.63 | 22.72 | |
| 10 | 16QAM | 1 | 49 | 22.67 | 22.75 | 22.70 | 22.5 |
| 10 | 16QAM | 25 | 0 | 21.76 | 21.69 | 21.84 | |
| 10 | 16QAM | 25 | 12 | 21.72 | 21.68 | 21.57 | |
| 10 | 16QAM | 25 | 25 | 21.74 | 21.77 | 21.76 | 22.5 |
| 10 | 16QAM | 50 | 0 | 21.57 | 21.80 | 21.61 | |
| 10 | 64QAM | 1 | 0 | 21.60 | 21.72 | 21.61 | |
| 10 | 64QAM | 1 | 25 | 21.82 | 21.76 | 21.67 | 22.5 |
| 10 | 64QAM | 1 | 49 | 21.72 | 21.58 | 21.74 | |
| 10 | 64QAM | 25 | 0 | 20.56 | 20.80 | 20.84 | |
| 10 | 64QAM | 25 | 12 | 20.77 | 20.86 | 20.75 | 21.5 |
| 10 | 64QAM | 25 | 25 | 20.79 | 20.73 | 20.86 | |
| 10 | 64QAM | 50 | 0 | 20.85 | 20.83 | 20.79 | |
| Channel | | | | 133147 | 133322 | 133447 | |
| Frequency (MHz) | | | | 665.5 | 683 | 695.5 | |
| 5 | QPSK | 1 | 0 | 23.66 | 23.67 | 23.59 | 24.5 |
| 5 | QPSK | 1 | 12 | 23.45 | 23.51 | 23.51 | |
| 5 | QPSK | 1 | 24 | 23.59 | 23.61 | 23.57 | |
| 5 | QPSK | 12 | 0 | 22.94 | 22.83 | 22.69 | 23.5 |
| 5 | QPSK | 12 | 7 | 22.70 | 22.80 | 22.85 | |
| 5 | QPSK | 12 | 13 | 22.71 | 22.60 | 22.63 | |
| 5 | QPSK | 25 | 0 | 22.75 | 22.71 | 22.80 | 23.5 |
| 5 | 16QAM | 1 | 0 | 22.77 | 22.75 | 22.80 | |
| 5 | 16QAM | 1 | 12 | 22.68 | 22.66 | 22.87 | |
| 5 | 16QAM | 1 | 24 | 22.58 | 22.79 | 22.70 | 22.5 |
| 5 | 16QAM | 12 | 0 | 21.63 | 21.76 | 21.66 | |
| 5 | 16QAM | 12 | 7 | 21.58 | 21.80 | 21.63 | |
| 5 | 16QAM | 12 | 13 | 21.80 | 21.77 | 21.73 | 22.5 |
| 5 | 16QAM | 25 | 0 | 21.81 | 21.70 | 21.58 | |
| 5 | 64QAM | 1 | 0 | 21.72 | 21.71 | 21.88 | |
| 5 | 64QAM | 1 | 12 | 21.75 | 21.71 | 21.66 | 22.5 |
| 5 | 64QAM | 1 | 24 | 21.64 | 21.54 | 21.74 | |
| 5 | 64QAM | 12 | 0 | 20.78 | 20.84 | 20.86 | |
| 5 | 64QAM | 12 | 7 | 20.77 | 20.73 | 20.72 | 21.5 |
| 5 | 64QAM | 12 | 13 | 20.67 | 20.71 | 20.68 | |
| 5 | 64QAM | 25 | 0 | 20.64 | 20.79 | 20.78 | |



| Band 41 PC2 (2496~2690MHz) (dBm) | | | | | | | | | | |
|----------------------------------|------------|---------|-----------|-------------|--------------------|---------------------|--------------|--------|---------------------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Channel | | | | | Tune-up limit (dBm) | |
| | | | | Low Channel | Middle Low Channel | Middle High Channel | High Channel | 41490 | | |
| Channel | | | | 39750 | 40185 | 40620 | 41055 | 41490 | | |
| Frequency (MHz) | | | | 2506 | 2549.5 | 2593 | 2636.5 | 2680 | | |
| 20 | QPSK | 1 | 0 | 26.20 | 26.23 | 26.43 | 26.41 | 26.16 | | |
| 20 | QPSK | 1 | 49 | 26.04 | 26.14 | 26.16 | 26.28 | 26.31 | | |
| 20 | QPSK | 1 | 99 | 26.21 | 26.29 | 26.30 | 26.27 | 26.28 | | |
| 20 | QPSK | 50 | 0 | 25.41 | 25.44 | 25.46 | 25.43 | 25.26 | 27 | |
| 20 | QPSK | 50 | 24 | 25.33 | 25.43 | 25.39 | 25.37 | 25.30 | | |
| 20 | QPSK | 50 | 50 | 25.26 | 25.29 | 25.28 | 25.39 | 25.23 | 26 | |
| 20 | QPSK | 100 | 0 | 25.16 | 25.25 | 25.22 | 25.23 | 25.24 | | |
| 20 | 16QAM | 1 | 0 | 25.39 | 25.43 | 25.40 | 25.39 | 25.35 | | |
| 20 | 16QAM | 1 | 49 | 25.38 | 25.40 | 25.22 | 25.27 | 25.44 | 28 | |
| 20 | 16QAM | 1 | 99 | 25.46 | 25.45 | 25.26 | 25.47 | 25.41 | | |
| 20 | 16QAM | 50 | 0 | 24.30 | 24.32 | 24.44 | 24.41 | 24.26 | 25 | |
| 20 | 16QAM | 50 | 24 | 24.27 | 24.37 | 24.10 | 24.21 | 24.28 | | |
| 20 | 16QAM | 50 | 50 | 24.23 | 24.41 | 24.37 | 24.36 | 24.21 | 25 | |
| 20 | 16QAM | 100 | 0 | 24.28 | 24.23 | 24.21 | 24.32 | 24.36 | | |
| 20 | 64QAM | 1 | 0 | 24.43 | 24.44 | 24.42 | 24.39 | 24.36 | | |
| 20 | 64QAM | 1 | 49 | 24.22 | 24.37 | 24.22 | 24.36 | 24.38 | 25 | |
| 20 | 64QAM | 1 | 99 | 24.42 | 24.35 | 24.39 | 24.13 | 24.15 | | |
| 20 | 64QAM | 50 | 0 | 23.45 | 23.47 | 23.35 | 23.46 | 23.36 | 24 | |
| 20 | 64QAM | 50 | 24 | 23.32 | 23.32 | 23.44 | 23.41 | 23.44 | | |
| 20 | 64QAM | 50 | 50 | 23.23 | 23.33 | 23.22 | 23.47 | 23.43 | 24 | |
| 20 | 64QAM | 100 | 0 | 23.34 | 23.37 | 23.38 | 23.33 | 23.39 | | |
| Channel | | | | 39725 | 40173 | 40620 | 41058 | 41515 | Tune-up limit (dBm) | |
| Frequency (MHz) | | | | 2503.5 | 2548.3 | 2593 | 2637.8 | 2682.5 | | |
| 15 | QPSK | 1 | 0 | 26.30 | 26.29 | 26.40 | 26.35 | 26.25 | 27 | |
| 15 | QPSK | 1 | 37 | 26.37 | 26.11 | 26.31 | 26.10 | 26.12 | | |
| 15 | QPSK | 1 | 74 | 26.33 | 26.21 | 26.36 | 26.29 | 26.20 | | |
| 15 | QPSK | 36 | 0 | 25.24 | 25.46 | 25.48 | 25.40 | 25.35 | 26 | |
| 15 | QPSK | 36 | 20 | 25.39 | 25.35 | 25.38 | 25.31 | 25.32 | | |
| 15 | QPSK | 36 | 39 | 25.30 | 25.45 | 25.27 | 25.44 | 25.43 | 26 | |
| 15 | QPSK | 75 | 0 | 25.38 | 25.31 | 25.29 | 25.28 | 25.40 | | |
| 15 | 16QAM | 1 | 0 | 25.20 | 25.32 | 25.43 | 25.39 | 25.30 | 26 | |
| 15 | 16QAM | 1 | 37 | 25.11 | 25.20 | 25.33 | 25.41 | 25.43 | | |
| 15 | 16QAM | 1 | 74 | 25.35 | 25.20 | 25.07 | 25.30 | 25.15 | 26 | |
| 15 | 16QAM | 36 | 0 | 24.20 | 24.34 | 24.47 | 24.34 | 24.31 | 25 | |
| 15 | 16QAM | 36 | 20 | 24.23 | 24.17 | 24.18 | 24.39 | 24.18 | | |
| 15 | 16QAM | 36 | 39 | 24.27 | 24.32 | 24.23 | 24.24 | 24.30 | 25 | |
| 15 | 16QAM | 75 | 0 | 24.43 | 24.32 | 24.43 | 24.27 | 24.26 | 25 | |
| 15 | 64QAM | 1 | 0 | 24.45 | 24.38 | 24.30 | 24.28 | 24.21 | 25 | |
| 15 | 64QAM | 1 | 37 | 24.30 | 24.26 | 24.38 | 24.29 | 24.12 | | |
| 15 | 64QAM | 1 | 74 | 24.19 | 24.16 | 24.42 | 24.18 | 24.14 | 24 | |
| 15 | 64QAM | 36 | 0 | 23.31 | 23.40 | 23.41 | 23.37 | 23.34 | | |
| 15 | 64QAM | 36 | 20 | 23.32 | 23.45 | 23.36 | 23.38 | 23.39 | 24 | |
| 15 | 64QAM | 36 | 39 | 23.43 | 23.25 | 23.34 | 23.18 | 23.16 | | |
| 15 | 64QAM | 75 | 0 | 23.25 | 23.36 | 23.42 | 23.40 | 23.36 | 24 | |
| Channel | | | | 39700 | 40160 | 40620 | 41069 | 41540 | Tune-up limit (dBm) | |
| Frequency (MHz) | | | | 2501 | 2547 | 2593 | 2640 | 2685 | | |
| 10 | QPSK | 1 | 0 | 26.15 | 26.32 | 26.41 | 26.34 | 26.12 | 27 | |
| 10 | QPSK | 1 | 25 | 26.14 | 26.19 | 26.12 | 26.16 | 26.30 | | |
| 10 | QPSK | 1 | 49 | 26.40 | 26.33 | 26.39 | 26.36 | 26.20 | 26 | |
| 10 | QPSK | 25 | 0 | 25.32 | 25.46 | 25.48 | 25.37 | 25.38 | | |
| 10 | QPSK | 25 | 12 | 25.28 | 25.47 | 25.30 | 25.43 | 25.44 | 26 | |
| 10 | QPSK | 25 | 25 | 25.44 | 25.18 | 25.22 | 25.29 | 25.44 | | |
| 10 | QPSK | 50 | 0 | 25.19 | 25.33 | 25.42 | 25.30 | 25.25 | 28 | |
| 10 | 16QAM | 1 | 0 | 25.31 | 25.39 | 25.45 | 25.40 | 25.40 | | |
| 10 | 16QAM | 1 | 25 | 25.16 | 25.46 | 25.38 | 25.27 | 25.30 | 28 | |
| 10 | 16QAM | 1 | 49 | 25.42 | 25.21 | 25.07 | 25.18 | 25.19 | 25 | |
| 10 | 16QAM | 25 | 0 | 24.20 | 24.40 | 24.24 | 24.32 | 24.20 | 25 | |
| 10 | 16QAM | 25 | 12 | 24.49 | 24.28 | 24.42 | 24.47 | 24.15 | | |
| 10 | 16QAM | 25 | 25 | 24.34 | 24.35 | 24.29 | 24.28 | 24.36 | 25 | |
| 10 | 16QAM | 50 | 0 | 24.48 | 24.28 | 24.41 | 24.41 | 24.13 | 25 | |
| 10 | 64QAM | 1 | 0 | 24.39 | 24.34 | 24.26 | 24.36 | 24.34 | 25 | |
| 10 | 64QAM | 1 | 25 | 24.51 | 24.29 | 24.44 | 24.38 | 24.18 | | |
| 10 | 64QAM | 1 | 49 | 24.39 | 24.46 | 24.26 | 24.44 | 24.35 | 25 | |
| 10 | 64QAM | 25 | 0 | 23.34 | 23.43 | 23.37 | 23.47 | 23.45 | 24 | |
| 10 | 64QAM | 25 | 12 | 23.52 | 23.39 | 23.37 | 23.29 | 23.49 | | |
| 10 | 64QAM | 25 | 25 | 23.32 | 23.47 | 23.28 | 23.41 | 23.49 | 24 | |
| 10 | 64QAM | 50 | 0 | 23.28 | 23.28 | 23.37 | 23.44 | 23.30 | 24 | |
| Channel | | | | 39675 | 40148 | 40620 | 41093 | 41565 | Tune-up limit (dBm) | |
| Frequency (MHz) | | | | 2498.5 | 2545.8 | 2593 | 2640.30 | 2687.5 | | |
| 5 | QPSK | 1 | 0 | 26.15 | 26.32 | 26.39 | 26.29 | 26.33 | 27 | |
| 5 | QPSK | 1 | 12 | 26.16 | 26.33 | 26.37 | 26.31 | 26.08 | | |
| 5 | QPSK | 1 | 24 | 26.14 | 26.23 | 26.28 | 26.31 | 26.25 | 26 | |
| 5 | QPSK | 12 | 0 | 25.49 | 25.37 | 25.37 | 25.32 | 25.44 | | |
| 5 | QPSK | 12 | 7 | 25.48 | 25.40 | 25.52 | 25.56 | 25.29 | 26 | |
| 5 | QPSK | 12 | 13 | 25.48 | 25.43 | 25.43 | 25.47 | 25.36 | | |
| 5 | QPSK | 25 | 0 | 25.19 | 25.34 | 25.42 | 25.51 | 25.25 | 26 | |
| 5 | 16QAM | 1 | 0 | 25.28 | 25.40 | 25.48 | 25.30 | 25.26 | 28 | |
| 5 | 16QAM | 1 | 12 | 25.30 | 25.20 | 25.30 | 25.41 | 25.33 | | |
| 5 | 16QAM | 1 | 24 | 25.36 | 25.20 | 25.07 | 25.23 | 25.32 | 25 | |
| 5 | 16QAM | 12 | 0 | 24.19 | 24.36 | 24.51 | 24.37 | 24.51 | 25 | |
| 5 | 16QAM | 12 | 7 | 24.35 | 24.50 | 24.14 | 24.40 | 24.15 | 25 | |
| 5 | 16QAM | 12 | 13 | 24.40 | 24.43 | 24.46 | 24.58 | 24.42 | 25 | |
| 5 | 16QAM | 25 | 0 | 24.32 | 24.36 | 24.39 | 24.41 | 24.34 | 25 | |
| 5 | 64QAM | 1 | 0 | 24.46 | 24.39 | 24.27 | 24.36 | 24.37 | 25 | |
| 5 | 64QAM | 1 | 12 | 24.43 | 24.31 | 24.09 | 24.37 | 24.12 | 25 | |
| 5 | 64QAM | 1 | 24 | 24.25 | 24.34 | 24.25 | 24.15 | 24.30 | 24 | |
| 5 | 64QAM | 12 | 0 | 23.55 | 23.51 | 23.46 | 23.45 | 23.37 | | |
| 5 | 64QAM | 12 | 7 | 23.35 | 23.53 | 23.43 | 23.43 | 23.52 | 24 | |
| 5 | 64QAM | 12 | 13 | 23.16 | 23.32 | 23.41 | 23.36 | 23.14 | | |
| 5 | 64QAM | 25 | 0 | 23.28 | 23.44 | 23.48 | 23.55 | 23.22 | 24 | |

| Band 41 PC3 (2496~2690MHz) (dBm) | | | | | | | | | | |
|----------------------------------|------------|---------|-----------|-------------|--------------------|---------------------|--------------|-------|---------------------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Channel | | | | | Tune-up limit (dBm) | |
| | | | | Low Channel | Middle Low Channel | Middle High Channel | High Channel | 41490 | | |
| Channel | | | | 39750 | 40185 | 40620 | 41055 | 41490 | | |
| Frequency (MHz) | | | | 2506 | 2549.5 | 2593 | 2636.5 | 2680 | | |
| 20 | QPSK | 1 | 0 | 23.35 | 23.41 | 23.45 | 23.39 | 23.28 | 24 | |
| 20 | QPSK | 1 | 49 | 23.20 | 23.33 | 23.40 | 23.29 | 23.28 | | |
| 20 | QPSK | 1 | 99 | 23.14 | 23.32 | 23.33 | 23.22 | 23.19 | 27 | |
| 20 | QPSK | 50 | 0 | 22.38 | 22.39 | 22.46 | 22.37 | 22.38 | 23 | |
| 20 | QPSK | 50 | 24 | 22.26 | 22.31 | 22.25 | 22.36 | 22.30 | | |
| 20 | QPSK | 50 | 50 | 22.33 | 22.20 | 22.31 | 22.32 | 22.25 | 23 | |
| 20 | QPSK | 100 | 0 | 22.38 | 22.35 | 22.42 | 22.38 | 22.26 | | |
| 20 | 16QAM | 1 | 0 | 22.20 | 22.40 | 22.43 | 22.39 | 22.19 | 23 | |
| 20 | 16QAM | 1 | 49 | 22.10 | 22.28 | 22.22 | 22.29 | 22.23 | | |
| 20 | 16QAM | 1 | 99 | 22.29 | 22.42 | 22.18 | 22.21 | 22.09 | 23 | |
| 20 | 16QAM | 50 | 0 | 21.20 | 21.29 | 21.24 | 21.35 | 21.33 | 22 | |
| 20 | 16QAM | 50 | 24 | 21.22 | 21.28 | 21.38 | 21.16 | 21.28 | | |
| 20 | 16QAM | 50 | 50 | 21.27 | 21.59 | 21.30 | 21.38 | 21.28 | 22 | |
| 20 | 16QAM | 100 | 0 | 21.28 | 21.35 | 21.33 | 21.29 | 21.20 | | |
| 20 | 64QAM | 1 | 0 | 21.23 | 21.34 | 21.38 | 21.32 | 21.18 | 22 | |
| 20 | 64QAM | 1 | 49 | 21.24 | 21.28 | 21.23 | 21.35 | 21.28 | | |
| 20 | 64QAM | 1 | 99 | 21.33 | 21.34 | 21.26 | 21.19 | 21.30 | 22 | |
| 20 | 64QAM | 50 | 0 | 20.36 | 20.42 | 20.46 | 20.40 | 20.35 | 21 | |
| 20 | 64QAM | 50 | 24 | 20.29 | 20.38 | 20.34 | 20.33 | 20.38 | | |
| 20 | 64QAM | 50 | 50 | 20.39 | 20.31 | 20.32 | 20.19 | 20.25 | 21 | |
| 20 | 64QAM | 100 | 0 | 20.36 | 20.39 | 20.28 | 20.36 | 20.33 | | |
| Channel | | | | 39725 | 40173 | 40620 | 41068 | 41515 | | |

| CA_7C | | | | | | | | | | | |
|--------------------------------------|--------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|--------------------|
| Combination:20MHz+20MHz(100RB+100RB) | | | | | | | | | | | |
| PCC Channel | PCC Channel (3GPP) | SCC Channel | Modulation | PCC | | SCC | | Total RB Size | Target MPR Level(dB) | Measured Power(dBm) | Tune-up limit(dBm) |
| | | | | RB Size | RB Offset | RB Size | RB Offset | | | | |
| 20850 | 20850 | 21048 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 20.26 | 21.00 |
| 21100 | 21001 | 21199 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 20.25 | 21.00 |
| 21350 | 21152 | 21350 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 20.07 | 21.00 |
| 20850 | 20850 | 21048 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 19.58 | 19.50 |
| 21100 | 21001 | 21199 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 19.69 | 19.50 |
| 21350 | 21152 | 21350 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 19.46 | 19.50 |
| 20850 | 20850 | 21048 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 18.24 | 18.50 |
| 21100 | 21001 | 21199 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 18.14 | 18.50 |
| 21350 | 21152 | 21350 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 18.18 | 18.50 |
| 20850 | 20850 | 21048 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 19.97 | 20.50 |
| 21100 | 21001 | 21199 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 19.89 | 20.50 |
| 21350 | 21152 | 21350 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 19.91 | 20.50 |

| CA_41C_PC 3 | | | | | | | | | | | |
|--------------------------------------|--------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|--------------------|
| Combination:20MHz+20MHz(100RB+100RB) | | | | | | | | | | | |
| PCC Channel | PCC Channel (3GPP) | SCC Channel | Modulation | PCC | | SCC | | Total RB Size | Target MPR Level(dB) | Measured Power(dBm) | Tune-up limit(dBm) |
| | | | | RB Size | RB Offset | RB Size | RB Offset | | | | |
| 39750 | 39750 | 39948 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 22.87 | 23.50 |
| 40521 | 40521 | 40719 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 22.79 | 23.50 |
| 41292 | 41292 | 41490 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 22.81 | 23.50 |
| 39750 | 39750 | 39948 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 21.88 | 22.50 |
| 40521 | 40521 | 40719 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 21.99 | 22.50 |
| 41292 | 41292 | 41490 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 21.76 | 22.50 |
| 39750 | 39750 | 39948 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 20.54 | 21.50 |
| 40521 | 40521 | 40719 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 20.44 | 21.50 |
| 41292 | 41292 | 41490 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 20.48 | 21.50 |
| 39750 | 39750 | 39948 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 22.36 | 23.00 |
| 40521 | 40521 | 40719 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 22.22 | 23.00 |
| 41292 | 41292 | 41490 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 22.28 | 23.00 |



| 2CC LTE Downlink | | | | | | | | | | | | | |
|-------------------------|------------------|------|----------|------------|---------------|--------------------------------|------|----------|------------|---------------|-------------|----------------|--|
| Configure | CA Configuration | PCC | | | | | SCC | | | | Power | | |
| | | Band | BW (MHz) | UL Channel | UL Fre. (MHz) | UL Mode (Modulation/RB/Offset) | Band | BW (MHz) | DL Channel | DL Fre. (MHz) | CA TX (dBm) | Rel.8 TX (dBm) | |
| Intra-band & Inter-band | CA_12A-30A | 12 | 10 | 23095 | 707.5 | QPSK/1#0 | 30 | 10 | 27710 | 2310.0 | 23.56 | 23.91 | |
| | CA_25A-25A | 25 | 10 | 26140 | 1860 | QPSK/1#0 | 25 | 10 | 26590 | 1905.0 | 23.36 | 23.42 | |
| | CA_25A-26A | 25 | 10 | 26140 | 1860 | QPSK/1#0 | 26 | 10 | 26865 | 831.5 | 23.16 | 23.42 | |
| | CA_26A-41A | 26 | 10 | 26865 | 831.5 | QPSK/1#0 | 41 | 20 | 38750 | 2310.0 | 23.61 | 23.88 | |
| | CA30A_29A | 30 | 10 | 27710 | 2310.0 | QPSK/1#0 | 29 | 10 | 9715 | 722.5 | 23.01 | 23.77 | |
| | CA_2A-12A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 12 | 10 | 23095 | 707.5 | 22.84 | 23.23 | |
| | CA_2A-13A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 13 | 10 | 23230 | 782.0 | 22.94 | 23.23 | |
| | CA_2A-17A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 17 | 10 | 23790 | 710.0 | 23.16 | 23.23 | |
| | CA_2A-29A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 29 | 10 | 9715 | 722.5 | 22.92 | 23.23 | |
| | CA_2A-2A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 2 | 10 | 19100 | 1900.0 | 22.96 | 23.23 | |
| | CA_2A-4A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 4 | 10 | 20050 | 1720.0 | 22.85 | 23.23 | |
| | CA_2A-5A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 5 | 10 | 20450 | 829.0 | 22.76 | 23.23 | |
| | CA_2C | 2 | 20 | 18700 | 1860 | QPSK/1#0 | 2 | 20 | 18898 | 1879.8 | 23.10 | 23.23 | |
| | CA_41A-41A | 41 | 20 | 39750 | 2506.0 | QPSK/1#0 | 41 | 20 | 41490 | 2680.0 | 26.21 | 26.43 | |
| | CA_41C | 41 | 20 | 39750 | 2506.0 | QPSK/1#0 | 41 | 20 | 41365 | 2667.5 | 26.33 | 26.43 | |
| | CA_4A-12A | 4 | 10 | 20050 | 1720.0 | QPSK/1#0 | 12 | 10 | 23095 | 707.5 | 23.29 | 23.34 | |
| | CA_4A-13A | 4 | 10 | 20050 | 1720.0 | QPSK/1#0 | 13 | 10 | 23230 | 782.0 | 23.20 | 23.34 | |
| | CA_4A-17A | 4 | 10 | 20050 | 1720.0 | QPSK/1#0 | 17 | 10 | 23790 | 710.0 | 23.33 | 23.34 | |
| | CA_4A-29A | 4 | 10 | 20050 | 1720.0 | QPSK/1#0 | 29 | 10 | 9715 | 722.5 | 23.44 | 23.34 | |
| | CA_4A-4A | 4 | 20 | 20050 | 1720.0 | QPSK/1#0 | 4 | 20 | 20300 | 1745.0 | 23.37 | 23.34 | |
| | CA_4A-5A | 4 | 10 | 20050 | 1720.0 | QPSK/1#0 | 5 | 10 | 20450 | 829.0 | 23.25 | 23.34 | |
| | CA_5A-30A | 5 | 10 | 20450 | 829.0 | QPSK/1#0 | 30 | 10 | 27710 | 2310.0 | 23.15 | 23.60 | |
| | CA_5A-7A | 5 | 10 | 20450 | 829.0 | QPSK/1#0 | 7 | 10 | 21350 | 2560.0 | 23.72 | 23.60 | |
| | CA_7A-20A | 7 | 10 | 21000 | 2525 | QPSK/1#0 | 20 | 10 | 24300 | 847.0 | 22.86 | 23.38 | |
| | CA_7A-7A | 7 | 10 | 21000 | 2525 | QPSK/1#0 | 7 | 10 | 21350 | 2560.0 | 22.89 | 23.38 | |
| | CA_7C | 7 | 20 | 21001 | 2525.1 | QPSK/1#0 | 7 | 10 | 21199 | 2544.9 | 22.94 | 23.38 | |
| | CA_5A-5A | 5 | 10 | 20450 | 829 | QPSK/1#0 | 5 | 10 | 20600 | 844.0 | 23.33 | 23.60 | |
| | CA_5B | 5 | 10 | 20476 | 831.6 | QPSK/1#0 | 5 | 10 | 20575 | 841.5 | 23.28 | 23.60 | |
| | CA_12A-66A | 12 | 10 | 23095 | 707.5 | QPSK/1#0 | 66 | 20 | 67236 | 2190.0 | 23.63 | 23.91 | |
| | CA_13A-66A | 13 | 10 | 23230 | 782.0 | QPSK/1#0 | 66 | 20 | 67236 | 2190.0 | 23.58 | 23.87 | |
| | CA_66A_29A | 66 | 10 | 132072 | 1720 | QPSK/1#0 | 29 | 10 | 9715 | 722.5 | 22.88 | 23.41 | |
| | CA_2A-66A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 66 | 20 | 67236 | 2190.0 | 22.72 | 23.23 | |
| | CA_5A-66A | 5 | 10 | 20450 | 829.0 | QPSK/1#0 | 66 | 20 | 67236 | 2190.0 | 23.12 | 23.60 | |
| | CA_66A-66A | 66 | 20 | 132072 | 1720 | QPSK/1#0 | 66 | 20 | 67236 | 2190.0 | 23.13 | 23.41 | |
| | CA_66B | 66 | 10 | 132373 | 1750.1 | QPSK/1#0 | 66 | 10 | 132472 | 1760.0 | 23.25 | 23.41 | |
| | CA_66C | 66 | 20 | 132323 | 1745.1 | QPSK/1#0 | 66 | 20 | 132521 | 1764.9 | 23.33 | 23.41 | |
| | CA_5A-41A | 5 | 10 | 20450 | 829 | QPSK/1#0 | 41 | 10 | 38750 | 2310.0 | 23.46 | 23.60 | |
| | CA_66A-71A | 66 | 10 | 132072 | 1720 | QPSK/1#0 | 71 | 10 | 133297 | 680.5 | 22.94 | 23.41 | |
| | CA_4A-71A | 4 | 10 | 20050 | 1720.0 | QPSK/1#0 | 71 | 10 | 133297 | 680.5 | 23.18 | 23.34 | |
| | CA_2A-71A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 71 | 10 | 133297 | 680.5 | 22.78 | 23.23 | |
| CA_14A-66A | 14 | 10 | 23330 | 793 | QPSK/1#0 | 66 | 20 | 67236 | 2190.0 | 23.27 | 23.95 | | |
| CA_14A-30A | 14 | 10 | 23330 | 793 | QPSK/1#0 | 30 | 10 | 27710 | 2310.0 | 23.36 | 23.95 | | |
| CA_2A-14A | 2 | 10 | 18700 | 1860 | QPSK/1#0 | 2 | 10 | 18898 | 1879.8 | 22.96 | 23.23 | | |



2.4GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|-------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 802.11b 1Mbps | CH 1 | 2412 | 17.27 | 19.00 | 17.00 | 98.55 |
| | CH 6 | 2437 | 17.77 | 19.50 | 17.00 | |
| | CH 11 | 2462 | 17.33 | 19.00 | 17.00 | |
| 802.11g 6Mbps | CH 1 | 2412 | 15.98 | 17.50 | 16.00 | 98.26 |
| | CH 6 | 2437 | 16.54 | 18.50 | 16.00 | |
| | CH 11 | 2462 | 16.15 | 18.00 | 16.00 | |
| 802.11n-HT20 MCSO | CH 1 | 2412 | 15.81 | 17.50 | 16.00 | 98.13 |
| | CH 6 | 2437 | 16.33 | 18.00 | 16.00 | |
| | CH 11 | 2462 | 15.96 | 17.50 | 16.00 | |
| 802.11n-HT40 MCSO | CH 3 | 2422 | 16.52 | 18.50 | 16.00 | 94.89 |
| | CH 6 | 2437 | 16.91 | 18.50 | 16.00 | |
| | CH 9 | 2452 | 16.47 | 18.00 | 16.00 | |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|---------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 802.11a 6Mbps | CH 36 | 5180 | 14.32 | 16.00 | 16.00 | 98.21 |
| | CH 44 | 5220 | 14.41 | 16.00 | 16.00 | |
| | CH 48 | 5240 | 14.19 | 16.00 | 16.00 | |
| 802.11n-HT20 MCSO | CH 36 | 5180 | 13.23 | 15.00 | 15.00 | 98.08 |
| | CH 44 | 5220 | 13.37 | 15.00 | 15.00 | |
| | CH 48 | 5240 | 13.07 | 15.00 | 15.00 | |
| 802.11n-HT40 MCSO | CH 38 | 5190 | 13.63 | 15.50 | 15.00 | 98.37 |
| | CH 46 | 5230 | 13.57 | 15.50 | 15.00 | |
| | CH 54 | 5270 | 13.38 | 15.00 | 15.00 | |
| 802.11ac-VHT20 MCSO | CH 36 | 5180 | 12.81 | 14.50 | 14.50 | 98.09 |
| | CH 44 | 5220 | 12.87 | 14.50 | 14.50 | |
| | CH 48 | 5240 | 12.55 | 14.50 | 14.50 | |
| 802.11ac-VHT40 MCSO | CH 38 | 5190 | 13.15 | 15.00 | 14.50 | 98.35 |
| | CH 46 | 5230 | 13.16 | 15.00 | 14.50 | |
| | CH 54 | 5270 | 12.79 | 14.50 | 14.50 | |
| 802.11ac-VHT80 MCSO | CH 42 | 5210 | 13.09 | 15.00 | 14.50 | 92.88 |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|---------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 802.11a 6Mbps | CH 52 | 5260 | 14.35 | 16.00 | 16.00 | 98.21 |
| | CH 60 | 5300 | 14.18 | 16.00 | 16.00 | |
| | CH 64 | 5320 | 13.70 | 15.50 | 16.00 | |
| 802.11n-HT20 MCSO | CH 52 | 5260 | 13.26 | 15.00 | 15.00 | 98.08 |
| | CH 60 | 5300 | 13.11 | 15.00 | 15.00 | |
| | CH 64 | 5320 | 12.61 | 14.50 | 15.00 | |
| 802.11n-HT40 MCSO | CH 54 | 5270 | 13.38 | 15.00 | 15.00 | 98.37 |
| | CH 62 | 5310 | 13.26 | 15.00 | 15.00 | |
| | CH 66 | 5330 | 13.07 | 15.00 | 15.00 | |
| 802.11ac-VHT20 MCSO | CH 52 | 5260 | 12.78 | 14.50 | 14.50 | 98.09 |
| | CH 60 | 5300 | 12.57 | 14.50 | 14.50 | |
| | CH 64 | 5320 | 12.14 | 14.00 | 14.50 | |
| 802.11ac-VHT40 MCSO | CH 54 | 5270 | 12.91 | 14.50 | 14.50 | 98.35 |
| | CH 62 | 5310 | 12.79 | 14.50 | 14.50 | |
| | CH 66 | 5330 | 12.71 | 14.50 | 14.50 | |
| 802.11ac-VHT80 MCSO | CH 58 | 5290 | 12.71 | 14.50 | 14.50 | 92.88 |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|---------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 802.11a 6Mbps | CH 100 | 5500 | 14.94 | 16.50 | 16.00 | 98.21 |
| | CH 120 | 5600 | 15.19 | 17.00 | 16.00 | |
| | CH 144 | 5720 | 14.19 | 16.00 | 16.00 | |
| 802.11n-HT20 MCSO | CH 100 | 5500 | 13.91 | 15.50 | 16.00 | 98.08 |
| | CH 120 | 5600 | 14.06 | 16.00 | 16.00 | |
| | CH 144 | 5720 | 13.14 | 15.00 | 16.00 | |
| 802.11n-HT40 MCSO | CH 102 | 5510 | 14.17 | 16.00 | 15.00 | 98.37 |
| | CH 126 | 5630 | 14.44 | 16.00 | 15.00 | |
| | CH 142 | 5710 | 13.52 | 15.50 | 15.00 | |
| 802.11ac-VHT20 MCSO | CH 100 | 5500 | 13.46 | 15.00 | 15.00 | 98.09 |
| | CH 120 | 5600 | 13.62 | 15.50 | 15.00 | |
| | CH 144 | 5720 | 12.74 | 14.50 | 15.00 | |
| 802.11ac-VHT40 MCSO | CH 102 | 5510 | 13.80 | 15.50 | 14.50 | 98.25 |
| | CH 126 | 5630 | 13.99 | 15.50 | 14.50 | |
| | CH 142 | 5710 | 13.15 | 15.00 | 14.50 | |
| 802.11ac-VHT80 MCSO | CH 106 | 5530 | 13.68 | 15.50 | 14.50 | 92.88 |
| | CH 122 | 5610 | 13.88 | 15.50 | 14.50 | |
| | CH 138 | 5690 | 13.36 | 15.00 | 14.50 | |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % |
|---------------------|---------|-----------------|---------------------|---------------|---------------|--------------|
| 802.11a 6Mbps | CH 149 | 5745 | 14.04 | 16.00 | 16.00 | 98.21 |
| | CH 157 | 5785 | 13.59 | 15.50 | 16.00 | |
| | CH 165 | 5825 | 13.57 | 15.50 | 16.00 | |
| 802.11n-HT20 MCSO | CH 149 | 5745 | 12.99 | 14.50 | 15.00 | 98.08 |
| | CH 157 | 5785 | 12.48 | 14.00 | 15.00 | |
| | CH 165 | 5825 | 12.40 | 14.00 | 15.00 | |
| 802.11n-HT40 MCSO | CH 151 | 5755 | 13.32 | 15.00 | 15.00 | 98.37 |
| | CH 159 | 5795 | 12.85 | 14.50 | 15.00 | |
| | CH 149 | 5745 | 12.62 | 14.50 | 14.50 | |
| 802.11ac-VHT20 MCSO | CH 157 | 5785 | 12.02 | 14.00 | 14.50 | 98.09 |
| | CH 165 | 5825 | 11.95 | 13.50 | 14.50 | |
| | CH 151 | 5755 | 12.87 | 14.50 | 14.50 | |
| 802.11ac-VHT40 MCSO | CH 159 | 5795 | 12.45 | 14.00 | 14.50 | 98.25 |
| | CH 155 | 5775 | 12.49 | 14.00 | 14.50 | |
| | CH 155 | 5775 | 12.49 | 14.00 | 14.50 | |

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | | | | |
|--------------|---------|-----------------|---------------------|---------|-------|---------|-------|---------|
| | | | 1Mbps | Tune-up | 2Mbps | Tune-up | 3Mbps | Tune-up |
| BR / EDR | CH 00 | 2402 | 7.78 | 8.50 | 4.69 | 5.50 | 4.54 | 5.50 |
| | CH 39 | 2441 | 8.09 | 9.00 | 4.77 | 5.50 | 4.65 | 5.50 |
| | CH 76 | 2480 | 8.65 | 9.50 | 5.65 | 6.50 | 5.49 | 6.00 |
| Duty Cycle % | | | 76.96 | | 77.13 | | | 77.13 |

| Mode | Channel | Frequency (MHz) | Average power (dBm) | |
|---------------|---------|-----------------|---------------------|-------|
| | | | 1Mbps | 2Mbps |
| LE | CH 00 | 2402 | 6.98 | 4.17 |
| | CH 19 | 2440 | 7.01 | 4.50 |
| | CH 39 | 2480 | 7.85 | 5.24 |
| Tune-up Limit | | | 9 | 6 |
| Duty Cycle % | | | 63.49 | 33.33 |



Reudced Power

| Band | | WCDMA Band II (dBm) | | | Tune-up Limit (dBm) | WCDMA Band IV (dBm) | | | Tune-up Limit (dBm) | WCDMA Band V (dBm) | | | Tune-up Limit (dBm) | |
|-----------------|-------------------------|---------------------|-------|--------|---------------------|---------------------|--------|-------|---------------------|--------------------|-------|-------|---------------------|-------|
| TX Channel | | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | | 4132 | 4182 | 4233 | | |
| Rx Channel | | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | | 4357 | 4407 | 4458 | | |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | 826.4 | 836.4 | 846.6 | | | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 16.70 | 16.84 | 16.80 | 18.00 | 15.10 | 15.15 | 15.08 | 16.00 | 19.95 | 20.01 | 19.90 | 21.00 | |
| 3GPP Rel 6 | HSDPA Subtest-1 | 15.95 | 16.00 | 15.98 | 17.00 | 14.24 | 14.24 | 14.22 | 15.00 | 19.41 | 19.32 | 19.44 | 20.00 | |
| 3GPP Rel 6 | HSDPA Subtest-2 | 15.93 | 15.97 | 15.92 | 16.50 | 14.26 | 14.20 | 14.20 | 15.00 | 19.47 | 19.36 | 19.46 | 20.00 | |
| 3GPP Rel 6 | HSDPA Subtest-3 | 15.48 | 15.50 | 15.96 | 16.50 | 13.78 | 13.68 | 13.65 | 14.50 | 18.89 | 18.81 | 18.90 | 19.50 | |
| 3GPP Rel 6 | HSDPA Subtest-4 | 15.47 | 15.35 | 15.37 | 16.00 | 13.78 | 13.67 | 13.64 | 14.50 | 18.88 | 18.82 | 18.92 | 19.50 | |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 15.93 | 16.04 | 15.86 | 17.00 | 14.23 | 14.21 | 14.20 | 15.00 | 19.43 | 19.20 | 19.56 | 20.50 | |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 15.90 | 15.94 | 16.03 | 17.00 | 14.20 | 14.31 | 14.23 | 15.00 | 19.40 | 19.26 | 19.44 | 20.00 | |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 15.57 | 15.52 | 15.90 | 16.50 | 13.78 | 13.68 | 13.73 | 14.50 | 18.82 | 18.87 | 19.00 | 20.00 | |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 15.44 | 15.40 | 15.35 | 16.00 | 13.78 | 13.74 | 13.59 | 14.50 | 18.83 | 18.82 | 18.84 | 19.50 | |
| 3GPP Rel 6 | HSUPA Subtest-1 | 15.70 | 15.69 | 15.68 | 16.50 | 14.50 | 13.94 | 13.81 | 15.50 | 19.28 | 19.07 | 19.21 | 20.00 | |
| 3GPP Rel 6 | HSUPA Subtest-2 | 15.20 | 15.18 | 15.25 | 16.00 | 13.50 | 13.49 | 13.41 | 14.50 | 18.72 | 18.65 | 18.69 | 19.50 | |
| 3GPP Rel 6 | HSUPA Subtest-3 | 15.75 | 15.67 | 15.65 | 16.50 | 13.97 | 13.89 | 13.74 | 14.50 | 19.16 | 19.07 | 19.15 | 20.00 | |
| 3GPP Rel 6 | HSUPA Subtest-4 | 15.68 | 15.72 | 15.73 | 16.50 | 13.97 | 13.92 | 13.87 | 14.50 | 19.17 | 19.05 | 19.18 | 20.00 | |
| 3GPP Rel 6 | HSUPA Subtest-5 | 15.74 | 15.64 | 15.65 | 16.50 | 13.98 | 13.92 | 13.80 | 14.50 | 19.25 | 19.11 | 19.16 | 20.00 | |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 15.09 | 15.02 | 15.03 | 16.00 | 13.42 | 13.35 | 13.19 | 14.00 | 18.61 | 18.62 | 18.18 | 19.50 | |
| Attenuator | | Cable Loss | | | | Cable Loss | | | | Cable Loss | | | 0.6 | |
| Mode | | Max. | | | 16.84 | | Max. | | | 15.15 | | Max. | | 20.01 |



| Band 2 (1900MHz Band) (dBm) Part 24E | | | | | | | |
|---|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 18700 | 18900 | 19100 | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | |
| 20 | QPSK | 1 | 0 | 15.10 | 15.15 | 15.07 | 16 |
| 20 | QPSK | 1 | 49 | 14.96 | 15.01 | 14.98 | |
| 20 | QPSK | 1 | 99 | 15.03 | 15.07 | 15.05 | |
| 20 | QPSK | 50 | 0 | 14.14 | 14.27 | 14.19 | |
| 20 | QPSK | 50 | 24 | 14.05 | 14.18 | 14.10 | 15 |
| 20 | QPSK | 50 | 50 | 14.07 | 14.08 | 14.14 | |
| 20 | QPSK | 100 | 0 | 14.06 | 14.12 | 14.11 | |
| 20 | 16QAM | 1 | 0 | 14.11 | 14.20 | 14.05 | |
| 20 | 16QAM | 1 | 49 | 14.00 | 14.10 | 14.12 | 15 |
| 20 | 16QAM | 1 | 99 | 14.08 | 14.07 | 13.99 | |
| 20 | 16QAM | 50 | 0 | 13.10 | 13.21 | 13.15 | |
| 20 | 16QAM | 50 | 24 | 13.09 | 13.08 | 13.02 | |
| 20 | 16QAM | 50 | 50 | 13.12 | 13.16 | 13.08 | 14 |
| 20 | 16QAM | 100 | 0 | 13.07 | 13.13 | 13.04 | |
| 20 | 64QAM | 1 | 0 | 13.06 | 13.18 | 13.07 | |
| 20 | 64QAM | 1 | 49 | 13.12 | 13.15 | 13.01 | |
| 20 | 64QAM | 1 | 99 | 13.08 | 13.03 | 13.05 | 14 |
| 20 | 64QAM | 50 | 0 | 12.23 | 12.29 | 12.25 | |
| 20 | 64QAM | 50 | 24 | 12.11 | 12.19 | 12.22 | |
| 20 | 64QAM | 50 | 50 | 12.07 | 12.10 | 12.06 | |
| 20 | 64QAM | 100 | 0 | 12.15 | 12.17 | 12.13 | 13 |
| Channel | | | | 18675 | 18900 | 19125 | |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | |
| 15 | QPSK | 1 | 0 | 14.99 | 15.12 | 15.00 | 16 |
| 15 | QPSK | 1 | 37 | 15.04 | 15.00 | 14.99 | |
| 15 | QPSK | 1 | 74 | 14.98 | 15.01 | 15.03 | |
| 15 | QPSK | 36 | 0 | 13.97 | 14.23 | 14.22 | |
| 15 | QPSK | 36 | 20 | 14.03 | 14.15 | 14.13 | 15 |
| 15 | QPSK | 36 | 39 | 14.07 | 14.03 | 14.21 | |
| 15 | QPSK | 75 | 0 | 14.00 | 14.04 | 13.95 | |
| 15 | 16QAM | 1 | 0 | 14.15 | 14.20 | 14.07 | |
| 15 | 16QAM | 1 | 37 | 14.08 | 13.97 | 14.19 | 15 |
| 15 | 16QAM | 1 | 74 | 14.09 | 14.19 | 13.98 | |
| 15 | 16QAM | 36 | 0 | 12.90 | 13.04 | 13.14 | |
| 15 | 16QAM | 36 | 20 | 13.08 | 12.92 | 12.88 | |
| 15 | 16QAM | 36 | 39 | 12.93 | 13.20 | 13.08 | 14 |
| 15 | 16QAM | 75 | 0 | 13.19 | 13.14 | 12.92 | |
| 15 | 64QAM | 1 | 0 | 13.01 | 13.26 | 13.12 | |
| 15 | 64QAM | 1 | 37 | 13.16 | 13.17 | 12.98 | |
| 15 | 64QAM | 1 | 74 | 13.13 | 12.93 | 12.96 | 14 |
| 15 | 64QAM | 36 | 0 | 12.13 | 12.24 | 12.04 | |
| 15 | 64QAM | 36 | 20 | 12.09 | 12.13 | 12.30 | |
| 15 | 64QAM | 36 | 39 | 11.98 | 12.10 | 12.15 | |
| 15 | 64QAM | 75 | 0 | 12.03 | 12.17 | 12.08 | 13 |
| Channel | | | | 18650 | 18900 | 19150 | |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | |
| 10 | QPSK | 1 | 0 | 15.08 | 15.10 | 14.95 | 16 |
| 10 | QPSK | 1 | 25 | 14.97 | 15.09 | 15.04 | |
| 10 | QPSK | 1 | 49 | 15.03 | 15.04 | 14.98 | |
| 10 | QPSK | 25 | 0 | 13.98 | 14.10 | 14.22 | |
| 10 | QPSK | 25 | 12 | 13.97 | 14.10 | 14.19 | 15 |
| 10 | QPSK | 25 | 25 | 13.97 | 14.16 | 13.98 | |
| 10 | QPSK | 50 | 0 | 14.12 | 14.19 | 14.19 | |
| 10 | 16QAM | 1 | 0 | 14.03 | 14.25 | 14.12 | |
| 10 | 16QAM | 1 | 25 | 14.05 | 14.01 | 14.26 | 15 |
| 10 | 16QAM | 1 | 49 | 14.04 | 14.11 | 14.05 | |
| 10 | 16QAM | 25 | 0 | 13.00 | 13.07 | 13.20 | |
| 10 | 16QAM | 25 | 12 | 13.19 | 13.17 | 13.01 | |
| 10 | 16QAM | 25 | 25 | 13.07 | 13.17 | 13.07 | 14 |
| 10 | 16QAM | 50 | 0 | 13.12 | 13.25 | 13.07 | |
| 10 | 64QAM | 1 | 0 | 13.21 | 13.00 | 13.16 | |
| 10 | 64QAM | 1 | 25 | 13.09 | 12.99 | 13.00 | |
| 10 | 64QAM | 1 | 49 | 13.18 | 12.92 | 13.05 | 14 |
| 10 | 64QAM | 25 | 0 | 12.35 | 12.26 | 12.14 | |
| 10 | 64QAM | 25 | 12 | 12.05 | 12.13 | 12.22 | |
| 10 | 64QAM | 25 | 25 | 12.00 | 12.07 | 12.13 | |
| 10 | 64QAM | 50 | 0 | 12.12 | 12.20 | 12.00 | 13 |
| Channel | | | | 18625 | 18900 | 19175 | |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | |
| 5 | QPSK | 1 | 0 | 15.07 | 15.10 | 15.08 | 16 |
| 5 | QPSK | 1 | 12 | 14.98 | 15.07 | 15.06 | |
| 5 | QPSK | 1 | 24 | 15.04 | 15.07 | 15.08 | |
| 5 | QPSK | 12 | 0 | 14.09 | 14.16 | 14.00 | |
| 5 | QPSK | 12 | 7 | 14.01 | 14.15 | 13.94 | 15 |
| 5 | QPSK | 12 | 13 | 14.06 | 13.94 | 13.98 | |
| 5 | QPSK | 25 | 0 | 14.04 | 14.23 | 14.11 | |
| 5 | 16QAM | 1 | 0 | 13.98 | 14.16 | 13.99 | |
| 5 | 16QAM | 1 | 12 | 14.01 | 14.11 | 14.22 | 15 |
| 5 | 16QAM | 1 | 24 | 14.20 | 14.16 | 13.91 | |
| 5 | 16QAM | 12 | 0 | 13.16 | 13.06 | 13.01 | |
| 5 | 16QAM | 12 | 7 | 12.95 | 12.96 | 13.00 | |
| 5 | 16QAM | 12 | 13 | 13.16 | 13.26 | 12.94 | 14 |
| 5 | 16QAM | 25 | 0 | 13.12 | 13.18 | 13.08 | |
| 5 | 64QAM | 1 | 0 | 13.03 | 13.20 | 12.97 | |
| 5 | 64QAM | 1 | 12 | 13.05 | 12.97 | 13.01 | |
| 5 | 64QAM | 1 | 24 | 13.15 | 13.05 | 13.03 | 14 |
| 5 | 64QAM | 12 | 0 | 12.05 | 12.14 | 12.18 | |
| 5 | 64QAM | 12 | 7 | 12.02 | 12.06 | 12.14 | |
| 5 | 64QAM | 12 | 13 | 12.01 | 11.93 | 12.11 | |
| 5 | 64QAM | 25 | 0 | 12.13 | 12.08 | 12.09 | 13 |
| Channel | | | | 18615 | 18900 | 19185 | |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | |
| 3 | QPSK | 1 | 0 | 15.05 | 15.11 | 15.00 | 16 |
| 3 | QPSK | 1 | 8 | 15.01 | 15.07 | 14.97 | |
| 3 | QPSK | 1 | 14 | 14.99 | 15.05 | 15.01 | |
| 3 | QPSK | 8 | 0 | 14.12 | 14.31 | 14.24 | |
| 3 | QPSK | 8 | 4 | 14.18 | 14.33 | 14.00 | 15 |
| 3 | QPSK | 8 | 7 | 14.17 | 14.12 | 14.07 | |

| Band 4 (AWS Band) (dBm) Part 27L (only on channel required) | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 20050 | 20175 | 20300 | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | |
| 20 | QPSK | 1 | 0 | 14.80 | 14.82 | 14.78 | 15.5 |
| 20 | QPSK | 1 | 49 | 14.86 | 14.89 | 14.71 | |
| 20 | QPSK | 1 | 99 | 14.75 | 14.71 | 14.65 | |
| 20 | QPSK | 50 | 0 | 13.78 | 13.86 | 13.76 | |
| 20 | QPSK | 50 | 24 | 13.82 | 13.71 | 13.77 | 14.5 |
| 20 | QPSK | 50 | 50 | 13.68 | 13.62 | 13.75 | |
| 20 | QPSK | 100 | 0 | 13.60 | 13.70 | 13.66 | |
| 20 | 16QAM | 1 | 0 | 13.74 | 13.84 | 13.57 | |
| 20 | 16QAM | 1 | 49 | 13.58 | 13.88 | 13.87 | 14.5 |
| 20 | 16QAM | 1 | 99 | 13.57 | 13.83 | 13.65 | |
| 20 | 16QAM | 50 | 0 | 12.76 | 12.84 | 12.90 | |
| 20 | 16QAM | 50 | 24 | 12.69 | 12.72 | 12.66 | |
| 20 | 16QAM | 50 | 50 | 12.65 | 12.81 | 12.78 | 13.5 |
| 20 | 16QAM | 100 | 0 | 12.74 | 12.77 | 12.71 | |
| 20 | 64QAM | 1 | 0 | 12.78 | 12.70 | 12.78 | |
| 20 | 64QAM | 1 | 49 | 12.87 | 12.89 | 12.73 | |
| 20 | 64QAM | 1 | 99 | 12.82 | 12.71 | 12.62 | 13.5 |
| 20 | 64QAM | 50 | 0 | 11.84 | 11.88 | 11.91 | |
| 20 | 64QAM | 50 | 24 | 11.83 | 11.89 | 11.81 | |
| 20 | 64QAM | 50 | 50 | 11.80 | 11.82 | 11.80 | |
| 20 | 64QAM | 100 | 0 | 11.85 | 11.72 | 11.59 | 12.5 |
| Channel | | | | 20025 | 20175 | 20325 | |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | |
| 15 | QPSK | 1 | 0 | 14.58 | 14.78 | 14.72 | 15.5 |
| 15 | QPSK | 1 | 37 | 14.67 | 14.52 | 14.63 | |
| 15 | QPSK | 1 | 74 | 14.59 | 14.53 | 14.68 | |
| 15 | QPSK | 36 | 0 | 13.70 | 13.83 | 13.81 | |
| 15 | QPSK | 36 | 20 | 13.85 | 13.84 | 13.69 | 14.5 |
| 15 | QPSK | 36 | 39 | 13.58 | 13.69 | 13.73 | |
| 15 | QPSK | 75 | 0 | 13.75 | 13.77 | 13.87 | |
| 15 | 16QAM | 1 | 0 | 13.74 | 13.87 | 13.72 | |
| 15 | 16QAM | 1 | 37 | 13.63 | 13.59 | 13.62 | 14.5 |
| 15 | 16QAM | 1 | 74 | 13.63 | 13.58 | 13.57 | |
| 15 | 16QAM | 36 | 0 | 12.89 | 12.70 | 12.90 | |
| 15 | 16QAM | 36 | 20 | 12.58 | 12.77 | 12.77 | |
| 15 | 16QAM | 36 | 39 | 12.61 | 12.72 | 12.67 | 13.5 |
| 15 | 16QAM | 75 | 0 | 12.88 | 12.89 | 12.89 | |
| 15 | 64QAM | 1 | 0 | 12.66 | 12.73 | 12.85 | |
| 15 | 64QAM | 1 | 37 | 12.82 | 12.71 | 12.58 | |
| 15 | 64QAM | 1 | 74 | 12.63 | 12.65 | 12.56 | 13.5 |
| 15 | 64QAM | 36 | 0 | 12.02 | 11.94 | 11.88 | |
| 15 | 64QAM | 36 | 20 | 11.79 | 11.83 | 11.85 | |
| 15 | 64QAM | 36 | 39 | 11.81 | 11.75 | 11.78 | |
| 15 | 64QAM | 75 | 0 | 11.79 | 11.92 | 11.72 | 12.5 |
| Channel | | | | 20000 | 20175 | 20350 | |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | |
| 10 | QPSK | 1 | 0 | 14.65 | 14.77 | 14.60 | 15.5 |
| 10 | QPSK | 1 | 25 | 14.59 | 14.59 | 14.66 | |
| 10 | QPSK | 1 | 49 | 14.76 | 14.72 | 14.63 | |
| 10 | QPSK | 25 | 0 | 13.63 | 13.93 | 13.87 | |
| 10 | QPSK | 25 | 12 | 13.59 | 13.81 | 13.62 | 14.5 |
| 10 | QPSK | 25 | 25 | 13.76 | 13.74 | 13.82 | |
| 10 | QPSK | 50 | 0 | 13.72 | 13.93 | 13.88 | |
| 10 | 16QAM | 1 | 0 | 13.57 | 13.84 | 13.58 | |
| 10 | 16QAM | 1 | 25 | 13.73 | 13.59 | 13.75 | 14.5 |
| 10 | 16QAM | 1 | 49 | 13.82 | 13.74 | 13.64 | |
| 10 | 16QAM | 25 | 0 | 12.73 | 12.81 | 12.67 | |
| 10 | 16QAM | 25 | 12 | 12.86 | 12.78 | 12.64 | |
| 10 | 16QAM | 25 | 25 | 12.65 | 12.70 | 12.88 | 13.5 |
| 10 | 16QAM | 50</ | | | | | |



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| | | | | | | | |
|-----------------|-------|----|----|--------|-------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 13.94 | 14.23 | 14.15 | 15 |
| 3 | 16QAM | 1 | 0 | 13.96 | 14.09 | 14.00 | |
| 3 | 16QAM | 1 | 8 | 14.11 | 13.91 | 14.02 | |
| 3 | 16QAM | 1 | 14 | 14.15 | 13.96 | 14.03 | 14 |
| 3 | 16QAM | 8 | 0 | 12.94 | 13.14 | 13.15 | |
| 3 | 16QAM | 8 | 4 | 13.23 | 13.16 | 13.10 | |
| 3 | 16QAM | 8 | 7 | 13.11 | 13.14 | 12.90 | 14 |
| 3 | 16QAM | 15 | 0 | 12.97 | 13.27 | 13.10 | |
| 3 | 64QAM | 1 | 0 | 12.94 | 13.29 | 12.93 | |
| 3 | 64QAM | 1 | 8 | 13.15 | 12.96 | 13.00 | 13 |
| 3 | 64QAM | 1 | 14 | 12.95 | 13.07 | 13.05 | |
| 3 | 64QAM | 8 | 0 | 12.24 | 12.31 | 12.13 | |
| 3 | 64QAM | 8 | 4 | 12.01 | 12.26 | 12.21 | 13 |
| 3 | 64QAM | 8 | 7 | 11.99 | 11.98 | 12.13 | |
| 3 | 64QAM | 15 | 0 | 12.02 | 12.23 | 12.10 | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | |
| 1.4 | QPSK | 1 | 0 | 15.09 | 15.09 | 15.04 | 16 |
| 1.4 | QPSK | 1 | 3 | 15.05 | 14.96 | 14.98 | |
| 1.4 | QPSK | 1 | 5 | 15.04 | 14.94 | 15.01 | |
| 1.4 | QPSK | 3 | 0 | 14.28 | 14.35 | 14.24 | |
| 1.4 | QPSK | 3 | 1 | 14.12 | 14.03 | 13.97 | |
| 1.4 | QPSK | 3 | 3 | 14.08 | 14.20 | 14.28 | |
| 1.4 | QPSK | 6 | 0 | 14.13 | 14.03 | 14.22 | 15 |
| 1.4 | 16QAM | 1 | 0 | 14.00 | 14.26 | 14.07 | |
| 1.4 | 16QAM | 1 | 3 | 14.05 | 13.97 | 14.05 | |
| 1.4 | 16QAM | 1 | 5 | 13.98 | 13.97 | 14.08 | 15 |
| 1.4 | 16QAM | 3 | 0 | 13.16 | 13.30 | 12.96 | |
| 1.4 | 16QAM | 3 | 1 | 13.03 | 13.01 | 12.97 | |
| 1.4 | 16QAM | 3 | 3 | 13.14 | 13.27 | 13.14 | 14 |
| 1.4 | 16QAM | 6 | 0 | 13.15 | 13.23 | 12.91 | |
| 1.4 | 64QAM | 1 | 0 | 12.97 | 13.22 | 13.07 | |
| 1.4 | 64QAM | 1 | 3 | 12.97 | 13.23 | 13.16 | 14 |
| 1.4 | 64QAM | 1 | 5 | 13.19 | 13.10 | 13.17 | |
| 1.4 | 64QAM | 3 | 0 | 12.16 | 12.15 | 12.09 | |
| 1.4 | 64QAM | 3 | 1 | 12.01 | 12.17 | 12.05 | |
| 1.4 | 64QAM | 3 | 3 | 12.18 | 12.24 | 12.04 | |
| 1.4 | 64QAM | 6 | 0 | 12.13 | 12.30 | 12.11 | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | |

| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 13.58 | 13.61 | 13.60 | 14.5 |
| 3 | 16QAM | 1 | 0 | 13.72 | 13.77 | 13.69 | |
| 3 | 16QAM | 1 | 8 | 13.66 | 13.74 | 13.63 | |
| 3 | 16QAM | 1 | 14 | 13.84 | 13.77 | 13.62 | 13.5 |
| 3 | 16QAM | 8 | 0 | 12.82 | 12.83 | 12.81 | |
| 3 | 16QAM | 8 | 4 | 12.85 | 12.76 | 12.64 | |
| 3 | 16QAM | 8 | 7 | 12.79 | 12.95 | 12.66 | 13.5 |
| 3 | 16QAM | 15 | 0 | 12.56 | 12.65 | 12.78 | |
| 3 | 64QAM | 1 | 0 | 12.57 | 12.89 | 12.73 | |
| 3 | 64QAM | 1 | 8 | 12.81 | 12.83 | 12.51 | 12.5 |
| 3 | 64QAM | 1 | 14 | 12.87 | 12.53 | 12.88 | |
| 3 | 64QAM | 8 | 0 | 11.86 | 11.89 | 11.88 | |
| 3 | 64QAM | 8 | 4 | 11.66 | 11.82 | 11.68 | 12.5 |
| 3 | 64QAM | 8 | 7 | 11.68 | 11.62 | 11.66 | |
| 3 | 64QAM | 15 | 0 | 11.87 | 11.83 | 11.74 | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | |
| 1.4 | QPSK | 1 | 0 | 14.64 | 14.77 | 14.69 | 15.5 |
| 1.4 | QPSK | 1 | 3 | 14.67 | 14.75 | 14.68 | |
| 1.4 | QPSK | 1 | 5 | 14.59 | 14.69 | 14.72 | |
| 1.4 | QPSK | 3 | 0 | 13.79 | 13.87 | 13.72 | |
| 1.4 | QPSK | 3 | 1 | 13.83 | 13.68 | 13.89 | |
| 1.4 | QPSK | 3 | 3 | 13.76 | 13.76 | 13.76 | |
| 1.4 | QPSK | 6 | 0 | 13.83 | 13.74 | 13.68 | 14.5 |
| 1.4 | 16QAM | 1 | 0 | 13.72 | 13.79 | 13.71 | |
| 1.4 | 16QAM | 1 | 3 | 13.46 | 13.58 | 13.60 | |
| 1.4 | 16QAM | 1 | 5 | 13.73 | 13.54 | 13.54 | 14.5 |
| 1.4 | 16QAM | 3 | 0 | 12.68 | 12.81 | 12.75 | |
| 1.4 | 16QAM | 3 | 1 | 12.75 | 12.59 | 12.56 | |
| 1.4 | 16QAM | 3 | 3 | 12.81 | 12.83 | 12.89 | 13.5 |
| 1.4 | 16QAM | 6 | 0 | 12.60 | 12.76 | 12.71 | |
| 1.4 | 64QAM | 1 | 0 | 12.59 | 12.64 | 12.75 | |
| 1.4 | 64QAM | 1 | 3 | 12.75 | 12.86 | 12.75 | 13.5 |
| 1.4 | 64QAM | 1 | 5 | 12.64 | 12.63 | 12.61 | |
| 1.4 | 64QAM | 3 | 0 | 11.83 | 11.82 | 11.79 | |
| 1.4 | 64QAM | 3 | 1 | 11.78 | 11.68 | 11.86 | |
| 1.4 | 64QAM | 3 | 3 | 11.66 | 11.57 | 11.82 | |
| 1.4 | 64QAM | 6 | 0 | 11.83 | 11.78 | 11.76 | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | |



| Band 5 (Cellular Band) (dBm) Part 22H(only on channel required) | | | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 20450 | 20525 | 20600 | 20.5 | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | | |
| 10 | QPSK | 1 | 0 | 19.27 | 19.30 | 19.20 | 19.5 | | |
| 10 | QPSK | 1 | 25 | 19.21 | 19.23 | 19.21 | | | |
| 10 | QPSK | 1 | 49 | 19.21 | 19.27 | 19.20 | | | |
| 10 | QPSK | 25 | 0 | 18.32 | 18.56 | 18.43 | 19.5 | | |
| 10 | QPSK | 25 | 12 | 18.27 | 18.50 | 18.36 | | | |
| 10 | QPSK | 25 | 25 | 18.31 | 18.23 | 18.28 | | | |
| 10 | QPSK | 50 | 0 | 18.36 | 18.31 | 18.27 | 19.5 | | |
| 10 | 16QAM | 1 | 0 | 18.22 | 18.33 | 18.28 | | | |
| 10 | 16QAM | 1 | 25 | 18.21 | 18.22 | 18.23 | | | |
| 10 | 16QAM | 1 | 49 | 18.41 | 18.33 | 18.25 | 18.5 | | |
| 10 | 16QAM | 25 | 0 | 17.23 | 17.54 | 17.25 | | | |
| 10 | 16QAM | 25 | 12 | 17.21 | 17.36 | 17.22 | | | |
| 10 | 16QAM | 25 | 25 | 17.27 | 17.37 | 17.26 | 18.5 | | |
| 10 | 16QAM | 50 | 0 | 17.27 | 17.22 | 17.28 | | | |
| 10 | 64QAM | 1 | 0 | 17.05 | 17.24 | 17.29 | | | |
| 10 | 64QAM | 1 | 25 | 17.10 | 17.37 | 17.28 | 18.5 | | |
| 10 | 64QAM | 1 | 49 | 17.31 | 17.23 | 17.26 | | | |
| 10 | 64QAM | 25 | 0 | 16.29 | 16.55 | 16.56 | | | |
| 10 | 64QAM | 25 | 12 | 16.42 | 16.32 | 16.31 | 17.5 | | |
| 10 | 64QAM | 25 | 25 | 16.22 | 16.23 | 16.22 | | | |
| 10 | 64QAM | 50 | 0 | 16.35 | 16.29 | 16.23 | | | |
| Channel | | | | 20425 | 20525 | 20625 | 20.5 | | |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | | |
| 5 | QPSK | 1 | 0 | 19.19 | 19.27 | 19.25 | 19.5 | | |
| 5 | QPSK | 1 | 12 | 19.24 | 19.23 | 19.23 | | | |
| 5 | QPSK | 1 | 24 | 19.26 | 19.22 | 19.26 | | | |
| 5 | QPSK | 12 | 0 | 18.30 | 18.43 | 18.41 | 19.5 | | |
| 5 | QPSK | 12 | 7 | 18.29 | 18.41 | 18.35 | | | |
| 5 | QPSK | 12 | 13 | 18.26 | 18.40 | 18.28 | | | |
| 5 | QPSK | 25 | 0 | 18.27 | 18.31 | 18.30 | 19.5 | | |
| 5 | 16QAM | 1 | 0 | 18.23 | 18.35 | 18.23 | | | |
| 5 | 16QAM | 1 | 12 | 18.27 | 18.37 | 18.22 | | | |
| 5 | 16QAM | 1 | 24 | 18.23 | 18.24 | 18.27 | 18.5 | | |
| 5 | 16QAM | 12 | 0 | 17.11 | 17.35 | 17.35 | | | |
| 5 | 16QAM | 12 | 7 | 17.20 | 17.27 | 17.20 | | | |
| 5 | 16QAM | 12 | 13 | 17.22 | 17.23 | 17.15 | 18.5 | | |
| 5 | 16QAM | 25 | 0 | 17.28 | 17.22 | 17.26 | | | |
| 5 | 64QAM | 1 | 0 | 17.25 | 17.52 | 17.28 | | | |
| 5 | 64QAM | 1 | 12 | 17.33 | 17.48 | 17.30 | 18.5 | | |
| 5 | 64QAM | 1 | 24 | 17.31 | 17.23 | 17.30 | | | |
| 5 | 64QAM | 12 | 0 | 16.23 | 16.50 | 16.28 | | | |
| 5 | 64QAM | 12 | 7 | 16.20 | 16.17 | 16.27 | 17.5 | | |
| 5 | 64QAM | 12 | 13 | 16.33 | 16.22 | 16.25 | | | |
| 5 | 64QAM | 25 | 0 | 16.48 | 16.33 | 16.39 | | | |
| Channel | | | | 20415 | 20525 | 20635 | 20.5 | | |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | | |
| 3 | QPSK | 1 | 0 | 19.21 | 19.28 | 19.23 | 19.5 | | |
| 3 | QPSK | 1 | 8 | 19.24 | 19.20 | 19.21 | | | |
| 3 | QPSK | 1 | 14 | 19.25 | 19.25 | 19.17 | | | |
| 3 | QPSK | 8 | 0 | 18.13 | 18.37 | 18.27 | 19.5 | | |
| 3 | QPSK | 8 | 4 | 18.36 | 18.29 | 18.27 | | | |
| 3 | QPSK | 8 | 7 | 18.29 | 18.25 | 18.31 | | | |
| 3 | QPSK | 15 | 0 | 18.18 | 18.20 | 18.22 | 19.5 | | |
| 3 | 16QAM | 1 | 0 | 18.16 | 18.45 | 18.23 | | | |
| 3 | 16QAM | 1 | 8 | 18.36 | 18.18 | 18.45 | | | |
| 3 | 16QAM | 1 | 14 | 18.29 | 18.26 | 18.23 | 18.5 | | |
| 3 | 16QAM | 8 | 0 | 17.20 | 17.38 | 17.27 | | | |
| 3 | 16QAM | 8 | 4 | 17.16 | 17.39 | 17.21 | | | |
| 3 | 16QAM | 8 | 7 | 17.18 | 17.18 | 17.39 | 18.5 | | |
| 3 | 16QAM | 15 | 0 | 17.27 | 17.29 | 17.19 | | | |
| 3 | 64QAM | 1 | 0 | 17.33 | 17.50 | 17.22 | | | |
| 3 | 64QAM | 1 | 8 | 17.28 | 17.48 | 17.30 | 18.5 | | |
| 3 | 64QAM | 1 | 14 | 17.41 | 17.24 | 17.25 | | | |
| 3 | 64QAM | 8 | 0 | 16.34 | 16.34 | 16.40 | | | |
| 3 | 64QAM | 8 | 4 | 16.43 | 16.18 | 16.42 | 17.5 | | |
| 3 | 64QAM | 8 | 7 | 16.29 | 16.25 | 16.29 | | | |
| 3 | 64QAM | 15 | 0 | 16.31 | 16.42 | 16.22 | | | |
| Channel | | | | 20407 | 20525 | 20643 | 20.5 | | |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | | |
| 1.4 | QPSK | 1 | 0 | 19.26 | 19.29 | 19.27 | 19.5 | | |
| 1.4 | QPSK | 1 | 3 | 19.22 | 19.18 | 19.19 | | | |
| 1.4 | QPSK | 1 | 5 | 19.25 | 19.25 | 19.25 | | | |
| 1.4 | QPSK | 3 | 0 | 18.27 | 18.36 | 18.45 | 19.5 | | |
| 1.4 | QPSK | 3 | 1 | 18.33 | 18.26 | 18.21 | | | |
| 1.4 | QPSK | 3 | 3 | 18.31 | 18.22 | 18.29 | | | |
| 1.4 | QPSK | 6 | 0 | 18.21 | 18.13 | 18.36 | 19.5 | | |
| 1.4 | 16QAM | 1 | 0 | 18.26 | 18.40 | 18.31 | | | |
| 1.4 | 16QAM | 1 | 3 | 18.22 | 18.18 | 18.18 | | | |
| 1.4 | 16QAM | 1 | 5 | 18.21 | 18.32 | 18.30 | 19.5 | | |
| 1.4 | 16QAM | 3 | 0 | 17.36 | 17.33 | 17.39 | | | |
| 1.4 | 16QAM | 3 | 1 | 17.27 | 17.28 | 17.31 | | | |
| 1.4 | 16QAM | 3 | 3 | 17.23 | 17.29 | 17.34 | 18.5 | | |
| 1.4 | 16QAM | 6 | 0 | 17.27 | 17.27 | 17.21 | | | |
| 1.4 | 64QAM | 1 | 0 | 17.10 | 17.42 | 17.14 | | | |
| 1.4 | 64QAM | 1 | 3 | 17.20 | 17.15 | 17.08 | 18.5 | | |
| 1.4 | 64QAM | 1 | 5 | 17.40 | 17.31 | 17.16 | | | |
| 1.4 | 64QAM | 3 | 0 | 16.24 | 16.48 | 16.53 | | | |
| 1.4 | 64QAM | 3 | 1 | 16.21 | 16.48 | 16.35 | 17.5 | | |
| 1.4 | 64QAM | 3 | 3 | 16.23 | 16.38 | 16.33 | | | |
| 1.4 | 64QAM | 6 | 0 | 16.42 | 16.39 | 16.22 | | | |

| Band 7 (2600MHz Band) (dBm) Part 27 | | | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 20850 | 21100 | 21350 | 14.5 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | | |
| 20 | QPSK | 1 | 0 | 13.87 | 13.94 | 13.84 | 13.5 | | |
| 20 | QPSK | 1 | 49 | 13.84 | 13.77 | 13.80 | | | |
| 20 | QPSK | 1 | 99 | 13.83 | 13.93 | 13.73 | | | |
| 20 | QPSK | 50 | 0 | 12.88 | 12.93 | 12.83 | 13.5 | | |
| 20 | QPSK | 50 | 24 | 12.80 | 12.73 | 12.92 | | | |
| 20 | QPSK | 50 | 50 | 12.63 | 12.82 | 12.90 | | | |
| 20 | QPSK | 100 | 0 | 12.64 | 12.80 | 12.83 | 13.5 | | |
| 20 | 16QAM | 1 | 0 | 12.91 | 12.74 | 12.63 | | | |
| 20 | 16QAM | 1 | 49 | 12.72 | 12.88 | 12.77 | | | |
| 20 | 16QAM | 1 | 99 | 12.83 | 12.84 | 12.74 | 12.5 | | |
| 20 | 16QAM | 50 | 0 | 11.81 | 11.87 | 11.81 | | | |
| 20 | 16QAM | 50 | 24 | 11.81 | 11.65 | 11.73 | | | |
| 20 | 16QAM | 50 | 50 | 11.80 | 11.93 | 11.82 | 12.5 | | |
| 20 | 16QAM | 100 | 0 | 11.95 | 11.78 | 11.90 | | | |
| 20 | 64QAM | 1 | 0 | 11.85 | 11.96 | 11.67 | | | |
| 20 | 64QAM | 1 | 49 | 12.00 | 11.91 | 11.57 | 12.5 | | |
| 20 | 64QAM | 1 | 99 | 11.77 | 11.91 | 11.62 | | | |
| 20 | 64QAM | 50 | 0 | 11.00 | 10.95 | 10.90 | | | |
| 20 | 64QAM | 50 | 24 | 10.86 | 10.98 | 10.94 | 11.5 | | |
| 20 | 64QAM | 50 | 50 | 10.77 | 10.72 | 10.88 | | | |
| 20 | 64QAM | 100 | 0 | 10.93 | 10.75 | 11.01 | | | |
| Channel | | | | 20825 | 21100 | 21375 | 14.5 | | |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | | |
| 15 | QPSK | 1 | 0 | 13.65 | 13.91 | 13.87 | 14.5 | | |
| 15 | QPSK | 1 | 37 | 13.58 | 13.68 | 13.65 | | | |
| 15 | QPSK | 1 | 74 | 13.59 | 13.86 | 13.59 | | | |
| 15 | QPSK | 36 | 0 | 12.89 | 12.95 | 12.87 | 13.5 | | |
| 15 | QPSK | 36 | 20 | 12.79 | 12.86 | 12.86 | | | |
| 15 | QPSK | 36 | 39 | 12.86 | 12.82 | 12.68 | | | |
| 15 | QPSK | 75 | 0 | 12.94 | 12.79 | 12.85 | 13.5 | | |
| 15 | 16QAM | 1 | 0 | 12.82 | 12.85 | 12.64 | | | |
| 15 | 16QAM | 1 | 37 | 12.66 | 12.65 | 12.74 | | | |
| 15 | 16QAM | 1 | 74 | 12.83 | 12.84 | 12.86 | 12.5 | | |
| 15 | 16QAM | 36 | 0 | 11.93 | 11.98 | 11.93 | | | |
| 15 | 16QAM | 36 | 20 | 11.97 | 11.65 | 11.75 | | | |
| 15 | 16QAM | 36 | 39 | 11.72 | 11.70 | 11.76 | 12.5 | | |
| 15 | 16QAM | 75 | 0 | 11.85 | 11.91 | 11.73 | | | |
| 15 | 64QAM | 1 | 0 | 11.74 | 11.98 | 11.86 | | | |
| 15 | 64QAM | 1 | 37 | 11.84 | 11.80 | 11.67 | 12.5 | | |
| 15 | 64QAM | 1 | 74 | 11.68 | 11.64 | 11.75 | | | |
| 15 | 64QAM | 36 | 0 | 10.80 | 10.97 | 11.00 | | | |
| 15 | 64QAM | 36 | 20 | 10.92 | 10.85 | 10.94 | 11.5 | | |
| 15 | 64QAM | 36 | 39 | 10.81 | 10.70 | 10.95 | | | |
| 15 | 64QAM | 75 | 0 | 10.87 | 10.96 | 10.73 | | | |
| Channel | | | | 20800 | 21100 | 21400 | 14.5 | | |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | | |
| 10 | QPSK | 1 | 0 | 13.76 | 13.92 | 13.89 | 14.5 | | |
| 10 | QPSK | 1 | 25 | 13.60 | 13.72 | 13.79 | | | |
| 10 | QPSK | 1 | 49 | 13.57 | 13.78 | 13.69 | | | |
| 10 | QPSK | 25 | 0 | 12.94 | 13.01 | 12.98 | 13.5 | | |
| 10 | QPSK | 25 | 12 | | | | | | |



| Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required) | | | | | | | | | |
|---|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 23060 | 23095 | 23130 | | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | | |
| 10 | QPSK | 1 | 0 | 19.71 | 19.75 | 19.65 | | | |
| 10 | QPSK | 1 | 25 | 19.53 | 19.61 | 19.41 | | | |
| 10 | QPSK | 1 | 49 | 19.47 | 19.53 | 19.53 | | | |
| 10 | QPSK | 25 | 0 | 18.72 | 18.76 | 18.75 | | | |
| 10 | QPSK | 25 | 12 | 18.69 | 18.69 | 18.53 | | | |
| 10 | QPSK | 25 | 25 | 18.54 | 18.51 | 18.71 | | | |
| 10 | QPSK | 50 | 0 | 18.69 | 18.67 | 18.74 | | | |
| 10 | 16QAM | 1 | 0 | 18.52 | 18.70 | 18.61 | | | |
| 10 | 16QAM | 1 | 25 | 18.51 | 18.61 | 18.62 | | | |
| 10 | 16QAM | 1 | 49 | 18.50 | 18.69 | 18.69 | | | |
| 10 | 16QAM | 25 | 0 | 17.70 | 17.69 | 17.77 | | | |
| 10 | 16QAM | 25 | 12 | 17.78 | 17.74 | 17.70 | | | |
| 10 | 16QAM | 25 | 25 | 17.58 | 17.77 | 17.79 | | | |
| 10 | 16QAM | 50 | 0 | 17.59 | 17.72 | 17.70 | | | |
| 10 | 64QAM | 1 | 0 | 17.67 | 17.71 | 17.77 | | | |
| 10 | 64QAM | 1 | 25 | 17.76 | 17.68 | 17.77 | | | |
| 10 | 64QAM | 1 | 49 | 17.63 | 17.79 | 17.79 | | | |
| 10 | 64QAM | 25 | 0 | 16.79 | 16.71 | 16.72 | | | |
| 10 | 64QAM | 25 | 12 | 16.81 | 16.72 | 16.83 | | | |
| 10 | 64QAM | 25 | 25 | 16.55 | 16.66 | 16.71 | | | |
| 10 | 64QAM | 50 | 0 | 16.79 | 16.73 | 16.74 | | | |
| Channel | | | | 23035 | 23095 | 23155 | | | |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | | |
| 5 | QPSK | 1 | 0 | 19.69 | 19.73 | 19.50 | | | |
| 5 | QPSK | 1 | 12 | 19.61 | 19.55 | 19.68 | | | |
| 5 | QPSK | 1 | 24 | 19.69 | 19.51 | 19.67 | | | |
| 5 | QPSK | 12 | 0 | 18.59 | 18.77 | 18.53 | | | |
| 5 | QPSK | 12 | 7 | 18.75 | 18.65 | 18.74 | | | |
| 5 | QPSK | 12 | 13 | 18.52 | 18.63 | 18.64 | | | |
| 5 | QPSK | 25 | 0 | 18.67 | 18.79 | 18.74 | | | |
| 5 | 16QAM | 1 | 0 | 18.57 | 18.64 | 18.82 | | | |
| 5 | 16QAM | 1 | 12 | 18.61 | 18.73 | 18.61 | | | |
| 5 | 16QAM | 1 | 24 | 18.64 | 18.50 | 18.70 | | | |
| 5 | 16QAM | 12 | 0 | 17.72 | 17.69 | 17.65 | | | |
| 5 | 16QAM | 12 | 7 | 17.72 | 17.72 | 17.74 | | | |
| 5 | 16QAM | 12 | 13 | 17.63 | 17.58 | 17.51 | | | |
| 5 | 16QAM | 25 | 0 | 17.52 | 17.70 | 17.62 | | | |
| 5 | 64QAM | 1 | 0 | 17.66 | 17.66 | 17.68 | | | |
| 5 | 64QAM | 1 | 12 | 17.63 | 17.57 | 17.45 | | | |
| 5 | 64QAM | 1 | 24 | 17.65 | 17.48 | 17.68 | | | |
| 5 | 64QAM | 12 | 0 | 16.62 | 16.75 | 16.78 | | | |
| 5 | 64QAM | 12 | 7 | 16.70 | 16.63 | 16.61 | | | |
| 5 | 64QAM | 12 | 13 | 16.58 | 16.52 | 16.73 | | | |
| 5 | 64QAM | 25 | 0 | 16.70 | 16.67 | 16.63 | | | |
| Channel | | | | 23025 | 23095 | 23165 | | | |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | | |
| 3 | QPSK | 1 | 0 | 19.66 | 19.71 | 19.67 | | | |
| 3 | QPSK | 1 | 8 | 19.69 | 19.60 | 19.45 | | | |
| 3 | QPSK | 1 | 14 | 19.45 | 19.61 | 19.54 | | | |
| 3 | QPSK | 8 | 0 | 18.60 | 18.69 | 18.66 | | | |
| 3 | QPSK | 8 | 4 | 18.47 | 18.64 | 18.68 | | | |
| 3 | QPSK | 8 | 7 | 18.58 | 18.66 | 18.61 | | | |
| 3 | QPSK | 15 | 0 | 18.57 | 18.67 | 18.59 | | | |
| 3 | 16QAM | 1 | 0 | 18.66 | 18.75 | 18.54 | | | |
| 3 | 16QAM | 1 | 8 | 18.53 | 18.64 | 18.60 | | | |
| 3 | 16QAM | 1 | 14 | 18.57 | 18.58 | 18.52 | | | |
| 3 | 16QAM | 8 | 0 | 17.72 | 17.76 | 17.65 | | | |
| 3 | 16QAM | 8 | 4 | 17.67 | 17.64 | 17.58 | | | |
| 3 | 16QAM | 8 | 7 | 17.62 | 17.64 | 17.57 | | | |
| 3 | 16QAM | 15 | 0 | 17.54 | 17.55 | 17.64 | | | |
| 3 | 64QAM | 1 | 0 | 17.61 | 17.70 | 17.68 | | | |
| 3 | 64QAM | 1 | 8 | 17.70 | 17.63 | 17.44 | | | |
| 3 | 64QAM | 1 | 14 | 17.51 | 17.66 | 17.67 | | | |
| 3 | 64QAM | 8 | 0 | 16.66 | 16.69 | 16.52 | | | |
| 3 | 64QAM | 8 | 4 | 16.55 | 16.65 | 16.61 | | | |
| 3 | 64QAM | 8 | 7 | 16.54 | 16.65 | 16.73 | | | |
| 3 | 64QAM | 15 | 0 | 16.64 | 16.63 | 16.57 | | | |
| Channel | | | | 23017 | 23095 | 23173 | | | |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | | | |
| 1.4 | QPSK | 1 | 0 | 19.55 | 19.72 | 19.57 | | | |
| 1.4 | QPSK | 1 | 3 | 19.70 | 19.54 | 19.51 | | | |
| 1.4 | QPSK | 1 | 5 | 19.69 | 19.71 | 19.52 | | | |
| 1.4 | QPSK | 3 | 0 | 18.68 | 18.65 | 18.74 | | | |
| 1.4 | QPSK | 3 | 1 | 18.77 | 18.74 | 18.65 | | | |
| 1.4 | QPSK | 3 | 3 | 18.70 | 18.62 | 18.69 | | | |
| 1.4 | QPSK | 6 | 0 | 18.61 | 18.65 | 18.64 | | | |
| 1.4 | 16QAM | 1 | 0 | 18.61 | 18.68 | 18.63 | | | |
| 1.4 | 16QAM | 1 | 3 | 18.52 | 18.62 | 18.54 | | | |
| 1.4 | 16QAM | 1 | 5 | 18.64 | 18.72 | 18.66 | | | |
| 1.4 | 16QAM | 3 | 0 | 17.67 | 17.73 | 17.71 | | | |
| 1.4 | 16QAM | 3 | 1 | 17.70 | 17.79 | 17.78 | | | |
| 1.4 | 16QAM | 3 | 3 | 17.65 | 17.68 | 17.64 | | | |
| 1.4 | 16QAM | 6 | 0 | 17.55 | 17.74 | 17.52 | | | |
| 1.4 | 64QAM | 1 | 0 | 17.74 | 17.74 | 17.61 | | | |
| 1.4 | 64QAM | 1 | 3 | 17.71 | 17.64 | 17.63 | | | |
| 1.4 | 64QAM | 1 | 5 | 17.55 | 17.71 | 17.57 | | | |
| 1.4 | 64QAM | 3 | 0 | 16.67 | 16.62 | 16.53 | | | |
| 1.4 | 64QAM | 3 | 1 | 16.64 | 16.65 | 16.61 | | | |
| 1.4 | 64QAM | 3 | 3 | 16.82 | 16.71 | 16.65 | | | |
| 1.4 | 64QAM | 6 | 0 | 16.61 | 16.65 | 16.68 | | | |

| Band 13(700MHz Band) (dBm) Part 27F | | | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 23230 | | | | | |
| Frequency (MHz) | | | | 782 | | | | | |
| 10 | QPSK | 1 | 0 | | 19.56 | | | | |
| 10 | QPSK | 1 | 25 | | 19.37 | | | | |
| 10 | QPSK | 1 | 49 | | 19.50 | | | | |
| 10 | QPSK | 25 | 0 | | 18.45 | | | | |
| 10 | QPSK | 25 | 12 | | 18.38 | | | | |
| 10 | QPSK | 25 | 25 | | 18.35 | | | | |
| 10 | QPSK | 50 | 0 | | 18.32 | | | | |
| 10 | 16QAM | 1 | 0 | | 18.46 | | | | |
| 10 | 16QAM | 1 | 25 | | 18.43 | | | | |
| 10 | 16QAM | 1 | 49 | | 18.47 | | | | |
| 10 | 16QAM | 25 | 0 | | 17.50 | | | | |
| 10 | 16QAM | 25 | 12 | | 17.39 | | | | |
| 10 | 16QAM | 25 | 25 | | 17.41 | | | | |
| 10 | 16QAM | 50 | 0 | | 17.48 | | | | |
| 10 | 64QAM | 1 | 0 | | 17.59 | | | | |
| 10 | 64QAM | 1 | 25 | | 17.45 | | | | |
| 10 | 64QAM | 1 | 49 | | 17.55 | | | | |
| 10 | 64QAM | 25 | 0 | | 16.57 | | | | |
| 10 | 64QAM | 25 | 12 | | 16.38 | | | | |
| 10 | 64QAM | 25 | 25 | | 16.40 | | | | |
| 10 | 64QAM | 50 | 0 | | 16.44 | | | | |
| Channel | | | | 23205 | 23230 | 23255 | | | |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | | |
| 5 | QPSK | 1 | 0 | 19.51 | 19.54 | 19.45 | | | |
| 5 | QPSK | 1 | 12 | 19.48 | 19.50 | 19.50 | | | |
| 5 | QPSK | 1 | 24 | 19.30 | 19.46 | 19.38 | | | |
| 5 | QPSK | 12 | 0 | 18.54 | 18.60 | 18.55 | | | |
| 5 | QPSK | 12 | 7 | 18.36 | 18.44 | 18.53 | | | |
| 5 | QPSK | 12 | 13 | 18.39 | 18.43 | 18.40 | | | |
| 5 | QPSK | 25 | 0 | 18.45 | 18.53 | 18.48 | | | |
| 5 | 16QAM | 1 | 0 | 18.54 | 18.55 | 18.42 | | | |
| 5 | 16QAM | 1 | 12 | 18.38 | 18.37 | 18.49 | | | |
| 5 | 16QAM | 1 | 24 | 18.37 | 18.46 | 18.29 | | | |
| 5 | 16QAM | 12 | 0 | 17.63 | 17.59 | 17.55 | | | |
| 5 | 16QAM | 12 | 7 | 17.51 | 17.53 | 17.47 | | | |
| 5 | 16QAM | 12 | 13 | 17.53 | 17.57 | 17.50 | | | |
| 5 | 16QAM | 25 | 0 | 17.38 | 17.67 | 17.42 | | | |
| 5 | 64QAM | 1 | 0 | 17.57 | 17.52 | 17.41 | | | |
| 5 | 64QAM | 1 | 12 | 17.51 | 17.42 | 17.55 | | | |
| 5 | 64QAM | 1 | 24 | 17.62 | 17.31 | 17.48 | | | |
| 5 | 64QAM | 12 | 0 | 16.66 | 16.61 | 16.53 | | | |
| 5 | 64QAM | 12 | 7 | 16.48 | 16.59 | 16.67 | | | |
| 5 | 64QAM | 12 | 13 | 16.63 | 16.54 | 16.49 | | | |
| 5 | 64QAM | 25 | 0 | 16.51 | 16.63 | 16.47 | | | |



| Band 14 (700MHz Band) (dBm) | | | | | | | |
|-----------------------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 23330 | | | |
| Frequency (MHz) | | | | 793 | | | |
| 10 | QPSK | 1 | 0 | | 20.59 | | 21.5 |
| 10 | QPSK | 1 | 25 | | 20.37 | | |
| 10 | QPSK | 1 | 49 | | 20.30 | | |
| 10 | QPSK | 25 | 0 | | 19.57 | | 20.5 |
| 10 | QPSK | 25 | 12 | | 19.41 | | |
| 10 | QPSK | 25 | 25 | | 19.47 | | |
| 10 | QPSK | 50 | 0 | | 19.45 | | 20.5 |
| 10 | 16QAM | 1 | 0 | | 19.49 | | |
| 10 | 16QAM | 1 | 25 | | 19.43 | | |
| 10 | 16QAM | 1 | 49 | | 19.39 | | 19.5 |
| 10 | 16QAM | 25 | 0 | | 18.52 | | |
| 10 | 16QAM | 25 | 12 | | 18.49 | | |
| 10 | 16QAM | 25 | 25 | | 18.43 | | 19.5 |
| 10 | 16QAM | 50 | 0 | | 18.53 | | |
| 10 | 64QAM | 1 | 0 | | 18.53 | | |
| 10 | 64QAM | 1 | 25 | | 18.44 | | 19.5 |
| 10 | 64QAM | 1 | 49 | | 18.37 | | |
| 10 | 64QAM | 25 | 0 | | 17.56 | | |
| 10 | 64QAM | 25 | 12 | | 17.47 | | 18.5 |
| 10 | 64QAM | 25 | 25 | | 17.35 | | |
| 10 | 64QAM | 50 | 0 | | 17.40 | | |
| Channel | | | | 23305 | 23330 | 23355 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 790.5 | 793 | 795.5 | |
| 5 | QPSK | 1 | 0 | 20.50 | 20.53 | 20.49 | 21.5 |
| 5 | QPSK | 1 | 12 | 20.43 | 20.33 | 20.39 | |
| 5 | QPSK | 1 | 24 | 20.50 | 20.36 | 20.41 | |
| 5 | QPSK | 12 | 0 | 19.45 | 19.54 | 19.49 | 20.5 |
| 5 | QPSK | 12 | 7 | 19.33 | 19.51 | 19.52 | |
| 5 | QPSK | 12 | 13 | 19.51 | 19.32 | 19.43 | |
| 5 | QPSK | 25 | 0 | 19.50 | 19.55 | 19.42 | 20.5 |
| 5 | 16QAM | 1 | 0 | 19.51 | 19.52 | 19.47 | |
| 5 | 16QAM | 1 | 12 | 19.44 | 19.40 | 19.48 | |
| 5 | 16QAM | 1 | 24 | 19.34 | 19.53 | 19.47 | 19.5 |
| 5 | 16QAM | 12 | 0 | 18.41 | 18.45 | 18.61 | |
| 5 | 16QAM | 12 | 7 | 18.57 | 18.36 | 18.36 | |
| 5 | 16QAM | 12 | 13 | 18.57 | 18.50 | 18.36 | 19.5 |
| 5 | 16QAM | 25 | 0 | 18.47 | 18.53 | 18.51 | |
| 5 | 64QAM | 1 | 0 | 18.50 | 18.54 | 18.34 | |
| 5 | 64QAM | 1 | 12 | 18.35 | 18.48 | 18.41 | 19.5 |
| 5 | 64QAM | 1 | 24 | 18.48 | 18.57 | 18.35 | |
| 5 | 64QAM | 12 | 0 | 17.50 | 17.57 | 17.48 | |
| 5 | 64QAM | 12 | 7 | 17.49 | 17.56 | 17.55 | 18.5 |
| 5 | 64QAM | 12 | 13 | 17.47 | 17.48 | 17.50 | |
| 5 | 64QAM | 25 | 0 | 17.39 | 17.52 | 17.47 | |

| Band 17 (700MHz Band) (dBm) Part 27H(only on channel required) | | | | | | | |
|---|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 23780 | 23790 | 23800 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 709 | 710 | 711 | |
| 10 | QPSK | 1 | 0 | 19.47 | 19.56 | 19.51 | 20.5 |
| 10 | QPSK | 1 | 25 | 19.53 | 19.45 | 19.43 | |
| 10 | QPSK | 1 | 49 | 19.54 | 19.43 | 19.37 | |
| 10 | QPSK | 25 | 0 | 18.54 | 18.62 | 18.50 | 19.5 |
| 10 | QPSK | 25 | 12 | 18.52 | 18.60 | 18.54 | |
| 10 | QPSK | 25 | 25 | 18.51 | 18.52 | 18.56 | |
| 10 | QPSK | 50 | 0 | 18.46 | 18.50 | 18.43 | 19.5 |
| 10 | 16QAM | 1 | 0 | 18.39 | 18.51 | 18.33 | |
| 10 | 16QAM | 1 | 25 | 18.52 | 18.51 | 18.44 | |
| 10 | 16QAM | 1 | 49 | 18.44 | 18.39 | 18.48 | 18.5 |
| 10 | 16QAM | 25 | 0 | 17.48 | 17.60 | 17.54 | |
| 10 | 16QAM | 25 | 12 | 17.56 | 17.47 | 17.32 | |
| 10 | 16QAM | 25 | 25 | 17.54 | 17.63 | 17.54 | 18.5 |
| 10 | 16QAM | 50 | 0 | 17.47 | 17.42 | 17.57 | |
| 10 | 64QAM | 1 | 0 | 17.59 | 17.50 | 17.62 | |
| 10 | 64QAM | 1 | 25 | 17.65 | 17.68 | 17.60 | 18.5 |
| 10 | 64QAM | 1 | 49 | 17.50 | 17.52 | 17.37 | |
| 10 | 64QAM | 25 | 0 | 16.56 | 16.56 | 16.65 | |
| 10 | 64QAM | 25 | 12 | 16.61 | 16.59 | 16.53 | 17.5 |
| 10 | 64QAM | 25 | 25 | 16.61 | 16.62 | 16.47 | |
| 10 | 64QAM | 50 | 0 | 16.49 | 16.68 | 16.63 | |
| Channel | | | | 23755 | 23790 | 23825 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | |
| 5 | QPSK | 1 | 0 | 19.47 | 19.53 | 19.45 | 20.5 |
| 5 | QPSK | 1 | 12 | 19.27 | 19.51 | 19.43 | |
| 5 | QPSK | 1 | 24 | 19.49 | 19.45 | 19.45 | |
| 5 | QPSK | 12 | 0 | 18.52 | 18.53 | 18.51 | 19.5 |
| 5 | QPSK | 12 | 7 | 18.60 | 18.47 | 18.49 | |
| 5 | QPSK | 12 | 13 | 18.49 | 18.50 | 18.43 | |
| 5 | QPSK | 25 | 0 | 18.47 | 18.51 | 18.36 | 19.5 |
| 5 | 16QAM | 1 | 0 | 18.50 | 18.61 | 18.40 | |
| 5 | 16QAM | 1 | 12 | 18.62 | 18.64 | 18.54 | |
| 5 | 16QAM | 1 | 24 | 18.59 | 18.38 | 18.46 | 18.5 |
| 5 | 16QAM | 12 | 0 | 17.63 | 17.60 | 17.47 | |
| 5 | 16QAM | 12 | 7 | 17.49 | 17.45 | 17.45 | |
| 5 | 16QAM | 12 | 13 | 17.65 | 17.53 | 17.53 | 18.5 |
| 5 | 16QAM | 25 | 0 | 17.59 | 17.60 | 17.61 | |
| 5 | 64QAM | 1 | 0 | 17.58 | 17.54 | 17.61 | |
| 5 | 64QAM | 1 | 12 | 17.39 | 17.64 | 17.39 | 18.5 |
| 5 | 64QAM | 1 | 24 | 17.42 | 17.32 | 17.49 | |
| 5 | 64QAM | 12 | 0 | 16.58 | 16.55 | 16.56 | |
| 5 | 64QAM | 12 | 7 | 16.53 | 16.65 | 16.67 | 17.5 |
| 5 | 64QAM | 12 | 13 | 16.47 | 16.48 | 16.64 | |
| 5 | 64QAM | 25 | 0 | 16.47 | 16.55 | 16.52 | |



| Band 18 (835MHz Band) (dBm) | | | | | | | |
|-----------------------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 23925 | 23925 | 23925 | |
| Frequency (MHz) | | | | 822.5 | 822.5 | 822.5 | |
| 15 | QPSK | 1 | 0 | | 19.16 | | 21 |
| 15 | QPSK | 1 | 37 | | 18.95 | | |
| 15 | QPSK | 1 | 74 | | 19.04 | | |
| 15 | QPSK | 36 | 0 | | 18.19 | | 20 |
| 15 | QPSK | 36 | 20 | | 18.08 | | |
| 15 | QPSK | 36 | 39 | | 17.94 | | |
| 15 | QPSK | 75 | 0 | | 17.97 | | 20 |
| 15 | 16QAM | 1 | 0 | | 18.07 | | |
| 15 | 16QAM | 1 | 37 | | 17.99 | | |
| 15 | 16QAM | 1 | 74 | | 18.03 | | 19 |
| 15 | 16QAM | 36 | 0 | | 17.10 | | |
| 15 | 16QAM | 36 | 20 | | 17.17 | | |
| 15 | 16QAM | 36 | 39 | | 17.14 | | 19 |
| 15 | 16QAM | 75 | 0 | | 17.06 | | |
| 15 | 64QAM | 1 | 0 | | 17.20 | | |
| 15 | 64QAM | 1 | 25 | | 17.20 | | 19 |
| 15 | 64QAM | 1 | 49 | | 17.15 | | |
| 15 | 64QAM | 25 | 0 | | 16.07 | | |
| 15 | 64QAM | 25 | 12 | | 16.04 | | 18 |
| 15 | 64QAM | 25 | 25 | | 15.99 | | |
| 15 | 64QAM | 50 | 0 | | 16.10 | | |
| Channel | | | | 23900 | 23925 | 23950 | |
| Frequency (MHz) | | | | 820 | 822.5 | 825 | |
| 10 | QPSK | 1 | 0 | 20.02 | 20.12 | 19.98 | 21 |
| 10 | QPSK | 1 | 25 | 20.04 | 19.89 | 18.89 | |
| 10 | QPSK | 1 | 49 | 19.92 | 20.06 | 20.06 | |
| 10 | QPSK | 25 | 0 | 19.03 | 19.13 | 19.07 | 20 |
| 10 | QPSK | 25 | 12 | 19.07 | 19.09 | 19.09 | |
| 10 | QPSK | 25 | 25 | 19.12 | 19.02 | 19.08 | |
| 10 | QPSK | 50 | 0 | 18.97 | 19.00 | 18.98 | 20 |
| 10 | 16QAM | 1 | 0 | 19.13 | 19.17 | 19.01 | |
| 10 | 16QAM | 1 | 25 | 19.17 | 19.04 | 19.17 | |
| 10 | 16QAM | 1 | 49 | 18.95 | 19.15 | 18.93 | 19 |
| 10 | 16QAM | 25 | 0 | 18.16 | 18.21 | 18.24 | |
| 10 | 16QAM | 25 | 12 | 18.08 | 18.05 | 18.17 | |
| 10 | 16QAM | 25 | 25 | 18.10 | 18.17 | 18.05 | 19 |
| 10 | 16QAM | 50 | 0 | 18.05 | 18.09 | 17.96 | |
| 10 | 64QAM | 1 | 0 | 18.01 | 18.03 | 18.05 | |
| 10 | 64QAM | 1 | 25 | 18.09 | 18.06 | 17.85 | 19 |
| 10 | 64QAM | 1 | 49 | 17.95 | 18.12 | 18.00 | |
| 10 | 64QAM | 25 | 0 | 18.14 | 18.10 | 18.08 | |
| 10 | 64QAM | 25 | 12 | 16.95 | 17.12 | 17.12 | 18 |
| 10 | 64QAM | 25 | 25 | 16.95 | 18.08 | 16.90 | |
| 10 | 64QAM | 50 | 0 | 17.10 | 17.20 | 17.00 | |
| Channel | | | | 23875 | 23925 | 23975 | |
| Frequency (MHz) | | | | 817.5 | 822.5 | 827.5 | |
| 5 | QPSK | 1 | 0 | 20.08 | 20.11 | 20.10 | 21 |
| 5 | QPSK | 1 | 12 | 20.04 | 20.06 | 20.09 | |
| 5 | QPSK | 1 | 24 | 19.94 | 20.01 | 19.89 | |
| 5 | QPSK | 12 | 0 | 19.12 | 19.13 | 19.12 | 20 |
| 5 | QPSK | 12 | 7 | 19.10 | 19.06 | 18.94 | |
| 5 | QPSK | 12 | 13 | 19.01 | 19.03 | 19.10 | |
| 5 | QPSK | 25 | 0 | 18.91 | 19.05 | 19.02 | 20 |
| 5 | 16QAM | 1 | 0 | 18.92 | 19.13 | 19.06 | |
| 5 | 16QAM | 1 | 12 | 19.06 | 18.97 | 19.17 | |
| 5 | 16QAM | 1 | 24 | 18.94 | 19.09 | 18.88 | 19 |
| 5 | 16QAM | 12 | 0 | 18.03 | 18.14 | 18.10 | |
| 5 | 16QAM | 12 | 7 | 18.01 | 17.95 | 17.96 | |
| 5 | 16QAM | 12 | 13 | 18.04 | 18.13 | 18.05 | 19 |
| 5 | 16QAM | 25 | 0 | 17.92 | 18.08 | 18.05 | |
| 5 | 64QAM | 1 | 0 | 18.02 | 18.16 | 18.10 | |
| 5 | 64QAM | 1 | 12 | 18.08 | 18.14 | 17.89 | 19 |
| 5 | 64QAM | 1 | 24 | 18.09 | 17.92 | 18.03 | |
| 5 | 64QAM | 12 | 0 | 17.16 | 17.14 | 17.11 | |
| 5 | 64QAM | 12 | 7 | 17.12 | 17.23 | 17.13 | 18 |
| 5 | 64QAM | 12 | 13 | 16.98 | 17.19 | 17.05 | |
| 5 | 64QAM | 25 | 0 | 17.06 | 17.14 | 17.05 | |

| Band 19 (835MHz Band) (dBm) | | | | | | | |
|-----------------------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 24075 | 24075 | 24075 | |
| Frequency (MHz) | | | | 837.5 | 837.5 | 837.5 | |
| 15 | QPSK | 1 | 0 | | 19.80 | | 21.5 |
| 15 | QPSK | 1 | 37 | | 19.87 | | |
| 15 | QPSK | 1 | 74 | | 19.64 | | |
| 15 | QPSK | 36 | 0 | | 18.87 | | 20.5 |
| 15 | QPSK | 36 | 20 | | 18.63 | | |
| 15 | QPSK | 36 | 39 | | 18.55 | | |
| 15 | QPSK | 75 | 0 | | 18.63 | | 20.5 |
| 15 | 16QAM | 1 | 0 | | 18.69 | | |
| 15 | 16QAM | 1 | 37 | | 18.56 | | |
| 15 | 16QAM | 1 | 74 | | 18.70 | | 19.5 |
| 15 | 16QAM | 36 | 0 | | 17.83 | | |
| 15 | 16QAM | 36 | 20 | | 17.52 | | |
| 15 | 16QAM | 36 | 39 | | 17.74 | | 19.5 |
| 15 | 16QAM | 75 | 0 | | 17.71 | | |
| 15 | 64QAM | 1 | 0 | | 17.81 | | |
| 15 | 64QAM | 1 | 25 | | 17.78 | | 19.5 |
| 15 | 64QAM | 1 | 49 | | 17.61 | | |
| 15 | 64QAM | 25 | 0 | | 16.78 | | |
| 15 | 64QAM | 25 | 12 | | 16.73 | | 18.5 |
| 15 | 64QAM | 25 | 25 | | 16.69 | | |
| 15 | 64QAM | 50 | 0 | | 16.66 | | |
| Channel | | | | 24050 | 24075 | 24100 | |
| Frequency (MHz) | | | | 835 | 837.5 | 840 | |
| 10 | QPSK | 1 | 0 | 20.61 | 20.77 | 20.70 | 21.5 |
| 10 | QPSK | 1 | 25 | 20.51 | 20.61 | 20.58 | |
| 10 | QPSK | 1 | 49 | 20.55 | 20.62 | 20.73 | |
| 10 | QPSK | 25 | 0 | 19.67 | 19.79 | 19.70 | 20.5 |
| 10 | QPSK | 25 | 12 | 19.59 | 19.65 | 19.75 | |
| 10 | QPSK | 25 | 25 | 19.55 | 19.63 | 19.66 | |
| 10 | QPSK | 50 | 0 | 19.64 | 19.67 | 19.60 | 20.5 |
| 10 | 16QAM | 1 | 0 | 19.69 | 19.71 | 19.78 | |
| 10 | 16QAM | 1 | 25 | 19.74 | 19.83 | 19.82 | |
| 10 | 16QAM | 1 | 49 | 19.66 | 19.82 | 19.65 | 19.5 |
| 10 | 16QAM | 25 | 0 | 18.75 | 18.83 | 18.78 | |
| 10 | 16QAM | 25 | 12 | 18.66 | 18.77 | 18.56 | |
| 10 | 16QAM | 25 | 25 | 18.79 | 18.76 | 18.73 | 19.5 |
| 10 | 16QAM | 50 | 0 | 18.66 | 18.57 | 18.59 | |
| 10 | 64QAM | 1 | 0 | 18.70 | 18.84 | 18.85 | |
| 10 | 64QAM | 1 | 25 | 18.72 | 18.69 | 18.50 | 19.5 |
| 10 | 64QAM | 1 | 49 | 18.84 | 18.82 | 18.83 | |
| 10 | 64QAM | 25 | 0 | 17.79 | 17.86 | 17.71 | |
| 10 | 64QAM | 25 | 12 | 17.78 | 17.73 | 17.93 | 18.5 |
| 10 | 64QAM | 25 | 25 | 17.80 | 17.63 | 17.69 | |
| 10 | 64QAM | 50 | 0 | 17.63 | 17.70 | 17.66 | |
| Channel | | | | 24025 | 24075 | 24125 | |
| Frequency (MHz) | | | | 832.5 | 837.5 | 842.5 | |
| 5 | QPSK | 1 | 0 | 20.67 | 20.76 | 20.71 | 24.5 |
| 5 | QPSK | 1 | 12 | 20.53 | 20.55 | 20.75 | |
| 5 | QPSK | 1 | 24 | 20.59 | 20.67 | 20.74 | |
| 5 | QPSK | 12 | 0 | 19.65 | 19.81 | 19.74 | 23.5 |
| 5 | QPSK | 12 | 7 | 19.79 | 19.84 | 19.55 | |
| 5 | QPSK | 12 | 13 | 19.58 | 19.80 | 19.77 | |
| 5 | QPSK | 25 | 0 | 19.59 | 19.72 | 19.89 | 23.5 |
| 5 | 16QAM | 1 | 0 | 19.65 | 19.90 | 19.56 | |
| 5 | 16QAM | 1 | 12 | 19.71 | 19.61 | 19.61 | |
| 5 | 16QAM | 1 | 24 | 19.62 | 19.54 | 19.78 | 22.5 |
| 5 | 16QAM | 12 | 0 | 18.59 | 18.65 | 18.71 | |
| 5 | 16QAM | 12 | 7 | 18.60 | 18.54 | 18.66 | |
| 5 | 16QAM | 12 | 13 | 18.79 | 18.87 | 18.63 | 22.5 |
| 5 | 16QAM | 25 | 0 | 18.69 | 18.73 | 18.75 | |
| 5 | 64QAM | 1 | 0 | 18.63 | 18.62 | 18.67 | |
| 5 | 64QAM | 1 | 12 | 18.62 | 18.62 | 18.50 | 22.5 |
| 5 | 64QAM | 1 | 24 | 18.56 | 18.48 | 18.54 | |
| 5 | 64QAM | 12 | 0 | 17.84 | 17.88 | 17.72 | |
| 5 | 64QAM | 12 | 7 | 17.61 | 17.73 | 17.90 | 21.5 |
| 5 | 64QAM | 12 | 13 | 17.65 | 17.78 | 17.81 | |
| 5 | 64QAM | 25 | 0 | 17.59 | 17.95 | 17.75 | |



| Band 25 (1900MHz Band) (dBm) Part 24E | | | | | | | | | |
|--|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 26140 | 26365 | 26590 | | | |
| Frequency (MHz) | | | | 1860 | 1882.5 | 1905 | | | |
| 20 | QPSK | 1 | 0 | 15.44 | 15.50 | 15.42 | 16 | | |
| 20 | QPSK | 1 | 49 | 15.29 | 15.24 | 15.37 | | | |
| 20 | QPSK | 1 | 99 | 15.39 | 15.41 | 15.39 | | | |
| 20 | QPSK | 50 | 0 | 14.44 | 14.53 | 14.51 | 15 | | |
| 20 | QPSK | 50 | 24 | 14.25 | 14.51 | 14.36 | | | |
| 20 | QPSK | 50 | 50 | 14.40 | 14.47 | 14.42 | | | |
| 20 | QPSK | 100 | 0 | 14.46 | 14.38 | 14.32 | 15 | | |
| 20 | 16QAM | 1 | 0 | 14.40 | 14.51 | 14.30 | | | |
| 20 | 16QAM | 1 | 49 | 14.20 | 14.49 | 14.30 | | | |
| 20 | 16QAM | 1 | 99 | 14.41 | 14.43 | 14.35 | 14 | | |
| 20 | 16QAM | 50 | 0 | 13.32 | 13.37 | 13.49 | | | |
| 20 | 16QAM | 50 | 24 | 13.29 | 13.42 | 13.19 | | | |
| 20 | 16QAM | 50 | 50 | 13.42 | 13.44 | 13.33 | 14 | | |
| 20 | 16QAM | 100 | 0 | 13.51 | 13.33 | 13.43 | | | |
| 20 | 64QAM | 1 | 0 | 13.28 | 13.46 | 13.32 | | | |
| 20 | 64QAM | 1 | 49 | 13.37 | 13.46 | 13.26 | 14 | | |
| 20 | 64QAM | 1 | 99 | 13.42 | 13.40 | 13.35 | | | |
| 20 | 64QAM | 50 | 0 | 12.42 | 12.48 | 12.46 | | | |
| 20 | 64QAM | 50 | 24 | 12.45 | 12.49 | 12.43 | 13 | | |
| 20 | 64QAM | 50 | 50 | 12.45 | 12.45 | 12.25 | | | |
| 20 | 64QAM | 100 | 0 | 12.40 | 12.36 | 12.43 | | | |
| Channel | | | | 26115 | 26365 | 26615 | | | |
| Frequency (MHz) | | | | 1857.5 | 1882.5 | 1907.5 | | | |
| 15 | QPSK | 1 | 0 | 15.24 | 15.47 | 15.27 | 16 | | |
| 15 | QPSK | 1 | 37 | 15.42 | 15.41 | 15.31 | | | |
| 15 | QPSK | 1 | 74 | 15.20 | 15.30 | 15.44 | | | |
| 15 | QPSK | 36 | 0 | 15.47 | 14.52 | 14.49 | 15 | | |
| 15 | QPSK | 36 | 20 | 14.41 | 14.46 | 14.43 | | | |
| 15 | QPSK | 36 | 39 | 14.38 | 14.38 | 14.34 | | | |
| 15 | QPSK | 75 | 0 | 14.43 | 14.28 | 14.40 | 15 | | |
| 15 | 16QAM | 1 | 0 | 14.49 | 14.48 | 14.50 | | | |
| 15 | 16QAM | 1 | 37 | 14.26 | 14.28 | 14.42 | | | |
| 15 | 16QAM | 1 | 74 | 14.27 | 14.35 | 14.25 | 14 | | |
| 15 | 16QAM | 36 | 0 | 13.48 | 13.52 | 13.37 | | | |
| 15 | 16QAM | 36 | 20 | 13.39 | 13.27 | 13.26 | | | |
| 15 | 16QAM | 36 | 39 | 13.39 | 13.42 | 13.45 | 14 | | |
| 15 | 16QAM | 75 | 0 | 13.36 | 13.31 | 13.28 | | | |
| 15 | 64QAM | 1 | 0 | 13.31 | 13.50 | 13.37 | | | |
| 15 | 64QAM | 1 | 37 | 13.52 | 13.42 | 13.33 | 14 | | |
| 15 | 64QAM | 1 | 74 | 13.54 | 13.45 | 13.46 | | | |
| 15 | 64QAM | 36 | 0 | 12.42 | 12.49 | 12.47 | | | |
| 15 | 64QAM | 36 | 20 | 12.37 | 12.48 | 12.30 | 13 | | |
| 15 | 64QAM | 36 | 39 | 12.36 | 12.40 | 12.26 | | | |
| 15 | 64QAM | 75 | 0 | 12.37 | 12.44 | 12.38 | | | |
| Channel | | | | 26090 | 26365 | 26640 | | | |
| Frequency (MHz) | | | | 1855 | 1882.5 | 1910 | | | |
| 10 | QPSK | 1 | 0 | 15.39 | 15.48 | 15.36 | 16 | | |
| 10 | QPSK | 1 | 25 | 15.23 | 15.43 | 15.22 | | | |
| 10 | QPSK | 1 | 49 | 15.44 | 15.33 | 15.35 | | | |
| 10 | QPSK | 25 | 0 | 14.34 | 14.47 | 14.49 | 15 | | |
| 10 | QPSK | 25 | 12 | 14.32 | 14.41 | 14.48 | | | |
| 10 | QPSK | 25 | 25 | 14.31 | 14.38 | 14.43 | | | |
| 10 | QPSK | 50 | 0 | 14.40 | 14.36 | 14.50 | 15 | | |
| 10 | 16QAM | 1 | 0 | 14.41 | 14.46 | 14.29 | | | |
| 10 | 16QAM | 1 | 25 | 14.37 | 14.30 | 14.40 | | | |
| 10 | 16QAM | 1 | 49 | 14.38 | 14.29 | 14.47 | 14 | | |
| 10 | 16QAM | 25 | 0 | 13.27 | 13.50 | 13.33 | | | |
| 10 | 16QAM | 25 | 12 | 13.44 | 13.36 | 13.53 | | | |
| 10 | 16QAM | 25 | 25 | 13.42 | 13.53 | 13.33 | 14 | | |
| 10 | 16QAM | 50 | 0 | 13.37 | 13.39 | 13.34 | | | |
| 10 | 64QAM | 1 | 0 | 13.37 | 13.34 | 13.25 | | | |
| 10 | 64QAM | 1 | 25 | 13.39 | 13.41 | 13.42 | 14 | | |
| 10 | 64QAM | 1 | 49 | 13.38 | 13.21 | 13.42 | | | |
| 10 | 64QAM | 25 | 0 | 12.45 | 12.45 | 12.48 | | | |
| 10 | 64QAM | 25 | 12 | 12.31 | 12.37 | 12.40 | 13 | | |
| 10 | 64QAM | 25 | 25 | 12.33 | 12.30 | 12.51 | | | |
| 10 | 64QAM | 50 | 0 | 12.51 | 12.49 | 12.48 | | | |
| Channel | | | | 26065 | 26365 | 26665 | | | |
| Frequency (MHz) | | | | 1862.5 | 1882.5 | 1912.5 | | | |
| 5 | QPSK | 1 | 0 | 15.37 | 15.45 | 15.34 | 16 | | |
| 5 | QPSK | 1 | 12 | 15.22 | 15.28 | 15.29 | | | |
| 5 | QPSK | 1 | 24 | 15.41 | 15.36 | 15.23 | | | |
| 5 | QPSK | 12 | 0 | 14.40 | 14.46 | 14.45 | 15 | | |
| 5 | QPSK | 12 | 7 | 14.46 | 14.38 | 14.34 | | | |
| 5 | QPSK | 12 | 13 | 14.37 | 14.45 | 14.34 | | | |
| 5 | QPSK | 25 | 0 | 14.27 | 14.31 | 14.44 | 15 | | |
| 5 | 16QAM | 1 | 0 | 14.52 | 14.53 | 14.44 | | | |
| 5 | 16QAM | 1 | 12 | 14.42 | 14.47 | 14.38 | | | |
| 5 | 16QAM | 1 | 24 | 14.51 | 14.44 | 14.49 | 14 | | |
| 5 | 16QAM | 12 | 0 | 13.49 | 13.45 | 13.39 | | | |
| 5 | 16QAM | 12 | 7 | 13.36 | 13.41 | 13.23 | | | |
| 5 | 16QAM | 12 | 13 | 13.42 | 13.48 | 13.24 | 14 | | |
| 5 | 16QAM | 25 | 0 | 13.37 | 13.30 | 13.34 | | | |
| 5 | 64QAM | 1 | 0 | 13.24 | 13.49 | 13.32 | | | |
| 5 | 64QAM | 1 | 12 | 13.51 | 13.42 | 13.33 | 14 | | |
| 5 | 64QAM | 1 | 24 | 13.30 | 13.44 | 13.34 | | | |
| 5 | 64QAM | 12 | 0 | 12.46 | 12.44 | 12.41 | | | |
| 5 | 64QAM | 12 | 7 | 12.42 | 12.40 | 12.44 | 13 | | |
| 5 | 64QAM | 12 | 13 | 12.46 | 12.31 | 12.24 | | | |
| 5 | 64QAM | 25 | 0 | 12.47 | 12.41 | 12.35 | | | |
| Channel | | | | 26055 | 26365 | 26675 | | | |
| Frequency (MHz) | | | | 1851.5 | 1882.5 | 1913.5 | | | |
| 3 | QPSK | 1 | 0 | 15.30 | 15.46 | 15.30 | 16 | | |
| 3 | QPSK | 1 | 8 | 15.39 | 15.23 | 15.19 | | | |
| 3 | QPSK | 1 | 14 | 15.33 | 15.37 | 15.50 | | | |
| 3 | QPSK | 8 | 0 | 14.41 | 14.45 | 14.44 | 15 | | |
| 3 | QPSK | 8 | 4 | 14.37 | 14.38 | 14.36 | | | |
| 3 | QPSK | 8 | 7 | 14.32 | 14.25 | 14.41 | | | |

| Band 26 for FCC (dBm) (only on channel required) | | | | | | | | | |
|---|------------|---------|-----------|-------------|----------------|--------------|---------------------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 26765 | 26865 | 26965 | | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | | |
| 15 | QPSK | 1 | 0 | 19.12 | 19.35 | 19.25 | 20 | | |
| 15 | QPSK | 1 | 37 | 19.05 | 19.24 | 19.26 | | | |
| 15 | QPSK | 1 | 74 | 19.07 | 19.18 | 19.28 | | | |
| 15 | QPSK | 36 | 0 | 18.33 | 18.37 | 18.18 | 19 | | |
| 15 | QPSK | 36 | 20 | 18.12 | 18.32 | 18.07 | | | |
| 15 | QPSK | 36 | 39 | 18.05 | 18.18 | 18.33 | | | |
| 15 | QPSK | 75 | 0 | 18.05 | 18.20 | 18.24 | 19 | | |
| 15 | 16QAM | 1 | 0 | 18.29 | 18.23 | 18.07 | | | |
| 15 | 16QAM | 1 | 37 | 18.30 | 18.27 | 18.28 | | | |
| 15 | 16QAM | 1 | 74 | 18.34 | 18.17 | 18.06 | 18 | | |
| 15 | 16QAM | 36 | 0 | 17.33 | 17.17 | 17.13 | | | |
| 15 | 16QAM | 36 | 20 | 17.24 | 17.05 | 17.15 | | | |
| 15 | 16QAM | 36 | 39 | 17.30 | 17.34 | 17.36 | 18 | | |
| 15 | 16QAM | 75 | 0 | 17.28 | 17.12 | 17.08 | | | |
| 15 | 64QAM | 1 | 0 | 17.08 | 17.40 | 17.24 | | | |
| 15 | 64QAM | 1 | 37 | 17.27 | 17.37 | 17.08 | 18 | | |
| 15 | 64QAM | 1 | 74 | 17.31 | 17.30 | 17.02 | | | |
| 15 | 64QAM | 36 | 0 | 16.19 | 16.28 | 16.32 | | | |
| 15 | 64QAM | 36 | 20 | 16.22 | 16.19 | 16.25 | 17 | | |
| 15 | 64QAM | 36 | 39 | 16.31 | 16.11 | 16.18 | | | |
| 15 | 64QAM | 75 | 0 | 16.16 | 16.23 | 16.30 | | | |
| Channel | | | | 26740 | 26865 | 26990 | | | |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | | |
| 10 | QPSK | 1 | 0 | 19.10 | 19.32 | 19.14 | 20 | | |
| 10 | QPSK | 1 | 25 | 19.09 | 19.26 | 19.26 | | | |
| 10 | QPSK | 1 | 49 | 19.17 | 19.15 | 19.16 | | | |
| 10 | QPSK | 25 | 0 | 18.33 | 18.27 | 18.30 | 19 | | |
| 10 | QPSK | 25 | 12 | 18.13 | 18.26 | 18.38 | | | |
| 10 | QPSK | 25 | 25 | 18.13 | 18.27 | 18.17 | | | |
| 10 | QPSK | 50 | 0 | 18.06 | 18.17 | 18.33 | 19 | | |
| 10 | 16QAM | 1 | 0 | 18.20 | 18.19 | 18.25 | | | |
| 10 | 16QAM | 1 | 25 | 18.16 | 18.33 | 18.37 | | | |
| 10 | 16QAM | 1 | 49 | 18.13 | 18.23 | 18.29 | 18 | | |
| 10 | 16QAM | 25 | 0 | 17.13 | 17.22 | 17.35 | | | |
| 10 | 16QAM | 25 | 12 | 17.36 | 17.08 | 17.01 | | | |
| 10 | 16QAM | 25 | 25 | 17.22 | 17.33 | 17.28 | 18 | | |
| 10 | 16QAM | 50 | 0 | 17.18 | 17.22 | 17.11 | | | |
| 10 | 64QAM | 1 | 0 | 17.33 | 17.33 | 17.19 | | | |
| 10 | 64QAM | 1 | 25 | 17.16 | 17.17 | 17.03 | 18 | | |
| 10 | 64QAM | 1 | 49 | 17.30 | 17.18 | 17.06 | | | |
| 10 | 64QAM | 25 | 0 | 16.43 | 16.24 | 16.34 | | | |
| 10 | 64QAM | 25 | 12 | 16.13 | 16.22 | 16.32 | 17 | | |
| 10 | 64QAM | 25 | 25 | 16.09 | 16.16 | 16.29 | | | |
| 10 | 64QAM | 50 | 0 | 16.2 | | | | | |



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| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 14.30 | 14.52 | 14.33 | 15 |
| 3 | 16QAM | 1 | 0 | 14.47 | 14.41 | 14.42 | |
| 3 | 16QAM | 1 | 8 | 14.49 | 14.37 | 14.34 | |
| 3 | 16QAM | 1 | 14 | 14.41 | 14.31 | 14.16 | 14 |
| 3 | 16QAM | 8 | 0 | 13.27 | 13.48 | 13.47 | |
| 3 | 16QAM | 8 | 4 | 13.33 | 13.31 | 13.23 | |
| 3 | 16QAM | 8 | 7 | 13.39 | 13.41 | 13.49 | 14 |
| 3 | 16QAM | 15 | 0 | 13.43 | 13.45 | 13.21 | |
| 3 | 64QAM | 1 | 0 | 13.42 | 13.41 | 13.47 | |
| 3 | 64QAM | 1 | 8 | 13.44 | 13.47 | 13.24 | 14 |
| 3 | 64QAM | 1 | 14 | 13.26 | 13.28 | 13.33 | |
| 3 | 64QAM | 8 | 0 | 12.43 | 12.47 | 12.42 | |
| 3 | 64QAM | 8 | 4 | 12.36 | 12.50 | 12.46 | 13 |
| 3 | 64QAM | 8 | 7 | 12.40 | 12.35 | 12.36 | |
| 3 | 64QAM | 15 | 0 | 12.46 | 12.34 | 12.41 | |
| Channel | | | | 26047 | 26366 | 26683 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1850.7 | 1882.5 | 1914.3 | |
| 1.4 | QPSK | 1 | 0 | 15.39 | 15.45 | 15.28 | 16 |
| 1.4 | QPSK | 1 | 3 | 15.27 | 15.43 | 15.31 | |
| 1.4 | QPSK | 1 | 5 | 15.40 | 15.32 | 15.32 | |
| 1.4 | QPSK | 3 | 0 | 14.50 | 14.53 | 14.42 | |
| 1.4 | QPSK | 3 | 1 | 14.29 | 14.40 | 14.44 | |
| 1.4 | QPSK | 3 | 3 | 14.39 | 14.44 | 14.39 | |
| 1.4 | QPSK | 6 | 0 | 14.44 | 14.39 | 14.36 | 15 |
| 1.4 | 16QAM | 1 | 0 | 14.42 | 14.43 | 14.44 | 14 |
| 1.4 | 16QAM | 1 | 3 | 14.19 | 14.26 | 14.46 | |
| 1.4 | 16QAM | 1 | 5 | 14.41 | 14.44 | 14.29 | |
| 1.4 | 16QAM | 3 | 0 | 13.50 | 13.40 | 13.44 | |
| 1.4 | 16QAM | 3 | 1 | 13.26 | 13.45 | 13.50 | |
| 1.4 | 16QAM | 3 | 3 | 13.50 | 13.51 | 13.47 | |
| 1.4 | 16QAM | 6 | 0 | 13.32 | 13.37 | 13.27 | 13 |
| 1.4 | 64QAM | 1 | 0 | 13.31 | 13.43 | 13.40 | 14 |
| 1.4 | 64QAM | 1 | 3 | 13.31 | 13.45 | 13.24 | |
| 1.4 | 64QAM | 1 | 5 | 13.49 | 13.52 | 13.50 | |
| 1.4 | 64QAM | 3 | 0 | 12.45 | 12.49 | 12.41 | |
| 1.4 | 64QAM | 3 | 1 | 12.41 | 12.42 | 12.39 | |
| 1.4 | 64QAM | 3 | 3 | 12.40 | 12.53 | 12.34 | |
| 1.4 | 64QAM | 6 | 0 | 12.50 | 12.51 | 12.44 | 13 |

| | | | | | | | |
|-----|-------|---|---|-------|-------|-------|----|
| 1.4 | QPSK | 6 | 0 | 18.29 | 18.32 | 18.41 | 19 |
| 1.4 | 16QAM | 1 | 0 | 18.09 | 18.16 | 18.03 | 19 |
| 1.4 | 16QAM | 1 | 3 | 18.19 | 18.26 | 18.12 | |
| 1.4 | 16QAM | 1 | 5 | 18.14 | 18.34 | 18.07 | |
| 1.4 | 16QAM | 3 | 0 | 17.27 | 17.35 | 17.33 | |
| 1.4 | 16QAM | 3 | 1 | 17.26 | 17.16 | 17.08 | |
| 1.4 | 16QAM | 3 | 3 | 17.20 | 17.29 | 17.29 | |
| 1.4 | 16QAM | 6 | 0 | 17.31 | 17.34 | 17.23 | 18 |
| 1.4 | 64QAM | 1 | 0 | 17.27 | 17.19 | 17.03 | 18 |
| 1.4 | 64QAM | 1 | 3 | 17.17 | 17.26 | 17.10 | |
| 1.4 | 64QAM | 1 | 5 | 17.15 | 17.24 | 17.10 | |
| 1.4 | 64QAM | 3 | 0 | 16.22 | 16.27 | 16.24 | |
| 1.4 | 64QAM | 3 | 1 | 16.11 | 16.31 | 16.18 | |
| 1.4 | 64QAM | 3 | 3 | 16.12 | 16.29 | 16.01 | |
| 1.4 | 64QAM | 6 | 0 | 16.26 | 16.23 | 16.35 | 17 |



| Band 30 (dBm) | | | | | | | |
|-----------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 27710 | | | |
| Frequency (MHz) | | | | 2310 | | | |
| 10 | QPSK | 1 | 0 | | 13.46 | | 14 |
| 10 | QPSK | 1 | 25 | | 13.36 | | |
| 10 | QPSK | 1 | 49 | | 13.29 | | |
| 10 | QPSK | 25 | 0 | | 12.48 | | 13 |
| 10 | QPSK | 25 | 12 | | 12.40 | | |
| 10 | QPSK | 25 | 25 | | 12.47 | | |
| 10 | QPSK | 50 | 0 | | 12.44 | | 13 |
| 10 | 16QAM | 1 | 0 | | 12.55 | | |
| 10 | 16QAM | 1 | 25 | | 12.42 | | |
| 10 | 16QAM | 1 | 49 | | 12.53 | | 12 |
| 10 | 16QAM | 25 | 0 | | 11.57 | | |
| 10 | 16QAM | 25 | 12 | | 11.59 | | |
| 10 | 16QAM | 25 | 25 | | 11.32 | | 12 |
| 10 | 16QAM | 50 | 0 | | 11.42 | | |
| 10 | 64QAM | 1 | 0 | | 11.53 | | |
| 10 | 64QAM | 1 | 25 | | 11.54 | | 12 |
| 10 | 64QAM | 1 | 49 | | 11.47 | | |
| 10 | 64QAM | 25 | 0 | | 10.50 | | |
| 10 | 64QAM | 25 | 12 | | 10.56 | | 11 |
| 10 | 64QAM | 25 | 25 | | 10.52 | | |
| 10 | 64QAM | 50 | 0 | | 10.51 | | |
| Channel | | | | 27685 | 27710 | 27735 | |
| Frequency (MHz) | | | | 2307.5 | 2310 | 2312.5 | |
| 5 | QPSK | 1 | 0 | 13.32 | 13.43 | 13.22 | 14 |
| 5 | QPSK | 1 | 12 | 13.27 | 13.23 | 13.20 | |
| 5 | QPSK | 1 | 24 | 13.39 | 13.35 | 13.37 | |
| 5 | QPSK | 12 | 0 | 12.38 | 12.59 | 12.40 | 13 |
| 5 | QPSK | 12 | 7 | 12.47 | 12.56 | 12.60 | |
| 5 | QPSK | 12 | 13 | 12.35 | 12.43 | 12.54 | |
| 5 | QPSK | 25 | 0 | 12.33 | 12.29 | 12.54 | 13 |
| 5 | 16QAM | 1 | 0 | 12.49 | 12.45 | 12.32 | |
| 5 | 16QAM | 1 | 12 | 12.28 | 12.55 | 12.60 | |
| 5 | 16QAM | 1 | 24 | 12.48 | 12.54 | 12.32 | 12 |
| 5 | 16QAM | 12 | 0 | 11.33 | 11.54 | 11.55 | |
| 5 | 16QAM | 12 | 7 | 11.35 | 11.39 | 11.21 | |
| 5 | 16QAM | 12 | 13 | 11.39 | 11.41 | 11.30 | 12 |
| 5 | 16QAM | 25 | 0 | 11.34 | 11.29 | 11.26 | |
| 5 | 64QAM | 1 | 0 | 11.42 | 11.39 | 11.23 | |
| 5 | 64QAM | 1 | 12 | 11.58 | 11.48 | 11.29 | 12 |
| 5 | 64QAM | 1 | 24 | 11.38 | 11.28 | 11.41 | |
| 5 | 64QAM | 12 | 0 | 10.47 | 10.51 | 10.43 | |
| 5 | 64QAM | 12 | 7 | 10.56 | 10.37 | 10.27 | 11 |
| 5 | 64QAM | 12 | 13 | 10.25 | 10.39 | 10.33 | |
| 5 | 64QAM | 25 | 0 | 10.39 | 10.37 | 10.45 | |

| Band 66 (dBm) | | | | | | | |
|-----------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 132072 | 132322 | 132572 | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | |
| 20 | QPSK | 1 | 0 | 14.65 | 14.80 | 14.70 | 15.5 |
| 20 | QPSK | 1 | 49 | 14.63 | 14.76 | 14.52 | |
| 20 | QPSK | 1 | 99 | 14.54 | 14.74 | 14.59 | |
| 20 | QPSK | 50 | 0 | 13.72 | 13.79 | 13.78 | 14.5 |
| 20 | QPSK | 50 | 24 | 13.60 | 13.66 | 13.58 | |
| 20 | QPSK | 50 | 50 | 13.61 | 13.63 | 13.70 | |
| 20 | QPSK | 100 | 0 | 13.67 | 13.68 | 13.61 | 14.5 |
| 20 | 16QAM | 1 | 0 | 13.58 | 13.67 | 13.69 | |
| 20 | 16QAM | 1 | 49 | 13.67 | 13.58 | 13.74 | |
| 20 | 16QAM | 1 | 99 | 13.73 | 13.61 | 13.65 | 13.5 |
| 20 | 16QAM | 50 | 0 | 12.61 | 12.77 | 12.77 | |
| 20 | 16QAM | 50 | 24 | 12.78 | 12.81 | 12.73 | |
| 20 | 16QAM | 50 | 50 | 12.72 | 12.64 | 12.80 | 13.5 |
| 20 | 16QAM | 100 | 0 | 12.83 | 12.74 | 12.79 | |
| 20 | 64QAM | 1 | 0 | 12.57 | 12.72 | 12.60 | |
| 20 | 64QAM | 1 | 49 | 12.63 | 12.79 | 12.55 | 13.5 |
| 20 | 64QAM | 1 | 99 | 12.75 | 12.58 | 12.73 | |
| 20 | 64QAM | 50 | 0 | 11.80 | 11.78 | 11.71 | |
| 20 | 64QAM | 50 | 24 | 11.78 | 11.67 | 11.69 | 12.5 |
| 20 | 64QAM | 50 | 50 | 11.66 | 11.64 | 11.67 | |
| 20 | 64QAM | 100 | 0 | 11.62 | 11.70 | 11.66 | |
| Channel | | | | 132047 | 132322 | 132597 | |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | |
| 15 | QPSK | 1 | 0 | 14.71 | 14.77 | 14.68 | 15.5 |
| 15 | QPSK | 1 | 37 | 14.46 | 14.60 | 14.54 | |
| 15 | QPSK | 1 | 74 | 14.50 | 14.69 | 14.63 | |
| 15 | QPSK | 36 | 0 | 13.68 | 13.83 | 13.78 | 14.5 |
| 15 | QPSK | 36 | 20 | 13.70 | 13.74 | 13.63 | |
| 15 | QPSK | 36 | 39 | 13.76 | 13.63 | 13.76 | |
| 15 | QPSK | 75 | 0 | 13.65 | 13.67 | 13.74 | 14.5 |
| 15 | 16QAM | 1 | 0 | 13.72 | 13.72 | 13.72 | |
| 15 | 16QAM | 1 | 37 | 13.69 | 13.64 | 13.74 | |
| 15 | 16QAM | 1 | 74 | 13.70 | 13.56 | 13.55 | 13.5 |
| 15 | 16QAM | 36 | 0 | 12.75 | 12.81 | 12.77 | |
| 15 | 16QAM | 36 | 20 | 12.60 | 12.59 | 12.61 | |
| 15 | 16QAM | 36 | 39 | 12.74 | 12.66 | 12.59 | 13.5 |
| 15 | 16QAM | 75 | 0 | 12.81 | 12.62 | 12.79 | |
| 15 | 64QAM | 1 | 0 | 12.54 | 12.79 | 12.66 | |
| 15 | 64QAM | 1 | 37 | 12.72 | 12.62 | 12.62 | 13.5 |
| 15 | 64QAM | 1 | 74 | 12.64 | 12.59 | 12.65 | |
| 15 | 64QAM | 36 | 0 | 11.83 | 11.78 | 11.73 | |
| 15 | 64QAM | 36 | 20 | 11.84 | 11.65 | 11.72 | 12.5 |
| 15 | 64QAM | 36 | 39 | 11.65 | 11.70 | 11.61 | |
| 15 | 64QAM | 75 | 0 | 11.79 | 11.78 | 11.87 | |
| Channel | | | | 132022 | 132322 | 132622 | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | |
| 10 | QPSK | 1 | 0 | 14.71 | 14.77 | 14.58 | 15.5 |
| 10 | QPSK | 1 | 25 | 14.59 | 14.71 | 14.62 | |
| 10 | QPSK | 1 | 49 | 14.63 | 14.59 | 14.64 | |
| 10 | QPSK | 25 | 0 | 13.66 | 13.81 | 13.74 | 14.5 |
| 10 | QPSK | 25 | 12 | 13.64 | 13.66 | 13.79 | |
| 10 | QPSK | 25 | 25 | 13.74 | 13.63 | 13.80 | |
| 10 | QPSK | 50 | 0 | 13.79 | 13.77 | 13.59 | 14.5 |
| 10 | 16QAM | 1 | 0 | 13.61 | 13.67 | 13.52 | |
| 10 | 16QAM | 1 | 25 | 13.52 | 13.73 | 13.88 | |
| 10 | 16QAM | 1 | 49 | 13.67 | 13.55 | 13.66 | 13.5 |
| 10 | 16QAM | 25 | 0 | 12.57 | 12.70 | 12.62 | |
| 10 | 16QAM | 25 | 12 | 12.83 | 12.59 | 12.52 | |
| 10 | 16QAM | 25 | 25 | 12.71 | 12.75 | 12.84 | 13.5 |
| 10 | 16QAM | 50 | 0 | 12.57 | 12.80 | 12.59 | |
| 10 | 64QAM | 1 | 0 | 12.67 | 12.80 | 12.59 | |
| 10 | 64QAM | 1 | 25 | 12.76 | 12.70 | 12.83 | 13.5 |
| 10 | 64QAM | 1 | 49 | 12.69 | 12.51 | 12.69 | |
| 10 | 64QAM | 25 | 0 | 11.70 | 11.81 | 11.83 | |
| 10 | 64QAM | 25 | 12 | 11.66 | 11.69 | 11.82 | 12.5 |
| 10 | 64QAM | 25 | 25 | 11.62 | 11.79 | 11.77 | |
| 10 | 64QAM | 50 | 0 | 11.83 | 11.65 | 11.74 | |
| Channel | | | | 131997 | 132322 | 132647 | |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | |
| 5 | QPSK | 1 | 0 | 14.76 | 14.75 | 14.61 | 15.5 |
| 5 | QPSK | 1 | 12 | 14.53 | 14.61 | 14.56 | |
| 5 | QPSK | 1 | 24 | 14.61 | 14.71 | 14.63 | |
| 5 | QPSK | 12 | 0 | 13.75 | 13.68 | 13.68 | 14.5 |
| 5 | QPSK | 12 | 7 | 13.69 | 13.72 | 13.62 | |
| 5 | QPSK | 12 | 13 | 13.64 | 13.70 | 13.68 | |
| 5 | QPSK | 25 | 0 | 13.68 | 13.65 | 13.72 | 14.5 |
| 5 | 16QAM | 1 | 0 | 13.58 | 13.70 | 13.53 | |
| 5 | 16QAM | 1 | 12 | 13.51 | 13.79 | 13.65 | |
| 5 | 16QAM | 1 | 24 | 13.76 | 13.54 | 13.76 | 13.5 |
| 5 | 16QAM | 12 | 0 | 12.61 | 12.71 | 12.67 | |
| 5 | 16QAM | 12 | 7 | 12.72 | 12.78 | 12.69 | |
| 5 | 16QAM | 12 | 13 | 12.69 | 12.67 | 12.82 | 13.5 |
| 5 | 16QAM | 25 | 0 | 12.56 | 12.63 | 12.67 | |
| 5 | 64QAM | 1 | 0 | 12.76 | 12.72 | 12.65 | |
| 5 | 64QAM | 1 | 12 | 12.65 | 12.80 | 12.77 | 13.5 |
| 5 | 64QAM | 1 | 24 | 12.56 | 12.60 | 12.60 | |
| 5 | 64QAM | 12 | 0 | 11.80 | 11.78 | 11.87 | |
| 5 | 64QAM | 12 | 7 | 11.72 | 11.71 | 11.72 | 12.5 |
| 5 | 64QAM | 12 | 13 | 11.60 | 11.59 | 11.64 | |
| 5 | 64QAM | 25 | 0 | 11.79 | 11.67 | 11.86 | |
| Channel | | | | 131997 | 132322 | 132657 | |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | |
| 3 | QPSK | 1 | 0 | 14.72 | 14.78 | 14.73 | 15.5 |
| 3 | QPSK | 1 | 8 | 14.77 | 14.54 | 14.72 | |
| 3 | QPSK | 1 | 14 | 14.64 | 14.66 | 14.67 | |
| 3 | QPSK | 8 | 0 | 13.78 | 13.67 | 13.75 | 14.5 |
| 3 | QPSK | 8 | 4 | 13.65 | 13.68 | 13.63 | |
| 3 | QPSK | 8 | 7 | 13.78 | 13.64 | 13.62 | |



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| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|------|
| 3 | QPSK | 15 | 0 | 13.83 | 13.91 | 13.88 | |
| 3 | 16QAM | 1 | 0 | 13.78 | 13.78 | 13.60 | 14.5 |
| 3 | 16QAM | 1 | 8 | 13.79 | 13.72 | 13.82 | |
| 3 | 16QAM | 1 | 14 | 13.79 | 13.79 | 13.55 | |
| 3 | 16QAM | 8 | 0 | 12.81 | 12.83 | 12.65 | 13.5 |
| 3 | 16QAM | 8 | 4 | 12.86 | 12.86 | 12.65 | |
| 3 | 16QAM | 8 | 7 | 12.60 | 12.71 | 12.62 | |
| 3 | 16QAM | 15 | 0 | 12.64 | 12.72 | 12.55 | 13.5 |
| 3 | 64QAM | 1 | 0 | 12.57 | 12.76 | 12.67 | |
| 3 | 64QAM | 1 | 8 | 12.71 | 12.70 | 12.52 | |
| 3 | 64QAM | 1 | 14 | 12.69 | 12.61 | 12.64 | 12.5 |
| 3 | 64QAM | 8 | 0 | 11.81 | 11.77 | 11.69 | |
| 3 | 64QAM | 8 | 4 | 11.66 | 11.66 | 11.78 | |
| 3 | 64QAM | 8 | 7 | 11.74 | 11.79 | 11.72 | 12.5 |
| 3 | 64QAM | 8 | 15 | 11.69 | 11.93 | 11.76 | |
| Channel | | | | 131979 | 132322 | 132665 | |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | |
| 1.4 | QPSK | 1 | 0 | 14.56 | 14.76 | 14.75 | 15.5 |
| 1.4 | QPSK | 1 | 3 | 14.54 | 14.65 | 14.57 | |
| 1.4 | QPSK | 1 | 5 | 14.68 | 14.63 | 14.52 | |
| 1.4 | QPSK | 3 | 0 | 13.75 | 13.80 | 13.84 | |
| 1.4 | QPSK | 3 | 1 | 13.60 | 13.80 | 13.85 | |
| 1.4 | QPSK | 3 | 3 | 13.57 | 13.74 | 13.84 | 14.5 |
| 1.4 | QPSK | 6 | 0 | 13.79 | 13.74 | 13.58 | |
| 1.4 | 16QAM | 1 | 0 | 13.77 | 13.99 | 13.56 | |
| 1.4 | 16QAM | 1 | 3 | 13.51 | 13.90 | 13.76 | 14.5 |
| 1.4 | 16QAM | 1 | 5 | 13.59 | 13.85 | 13.54 | |
| 1.4 | 16QAM | 3 | 0 | 12.66 | 13.01 | 12.72 | |
| 1.4 | 16QAM | 3 | 1 | 12.85 | 12.79 | 12.69 | |
| 1.4 | 16QAM | 3 | 3 | 12.93 | 12.89 | 12.61 | |
| 1.4 | 16QAM | 6 | 0 | 12.59 | 12.70 | 12.56 | 13.5 |
| 1.4 | 64QAM | 1 | 0 | 12.69 | 12.90 | 12.77 | 13.5 |
| 1.4 | 64QAM | 1 | 3 | 12.79 | 12.79 | 12.78 | |
| 1.4 | 64QAM | 1 | 5 | 12.66 | 12.71 | 12.76 | |
| 1.4 | 64QAM | 3 | 0 | 11.86 | 11.95 | 11.83 | |
| 1.4 | 64QAM | 3 | 1 | 11.71 | 11.84 | 11.80 | |
| 1.4 | 64QAM | 3 | 3 | 11.67 | 11.61 | 11.85 | 12.5 |
| 1.4 | 64QAM | 6 | 0 | 11.96 | 11.82 | 11.93 | |



| Band 71 (dBm) | | | | | | | |
|-----------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel | | | | 133222 | 133322 | 133372 | |
| Frequency (MHz) | | | | 673 | 683 | 688 | |
| 20 | QPSK | 1 | 0 | 16.98 | 17.02 | 16.96 | 19 |
| 20 | QPSK | 1 | 49 | 16.90 | 16.97 | 16.88 | |
| 20 | QPSK | 1 | 99 | 16.85 | 16.87 | 16.82 | |
| 20 | QPSK | 50 | 0 | 15.95 | 16.09 | 16.08 | 18 |
| 20 | QPSK | 50 | 24 | 16.07 | 15.99 | 16.05 | |
| 20 | QPSK | 50 | 50 | 16.06 | 15.92 | 15.93 | |
| 20 | QPSK | 100 | 0 | 15.86 | 16.01 | 15.96 | 18 |
| 20 | 16QAM | 1 | 0 | 16.12 | 16.13 | 15.98 | |
| 20 | 16QAM | 1 | 49 | 16.04 | 15.96 | 16.10 | |
| 20 | 16QAM | 1 | 99 | 15.98 | 16.01 | 15.99 | 17 |
| 20 | 16QAM | 50 | 0 | 15.12 | 15.06 | 15.17 | |
| 20 | 16QAM | 50 | 24 | 14.96 | 14.93 | 15.12 | |
| 20 | 16QAM | 50 | 50 | 15.07 | 14.94 | 14.99 | 17 |
| 20 | 16QAM | 100 | 0 | 14.96 | 14.99 | 15.06 | |
| 20 | 64QAM | 1 | 0 | 14.99 | 14.98 | 14.93 | |
| 20 | 64QAM | 1 | 49 | 15.02 | 15.15 | 15.03 | 17 |
| 20 | 64QAM | 1 | 99 | 15.01 | 15.15 | 14.94 | |
| 20 | 64QAM | 50 | 0 | 14.05 | 13.98 | 13.98 | |
| 20 | 64QAM | 50 | 24 | 13.98 | 14.06 | 14.04 | 16 |
| 20 | 64QAM | 50 | 50 | 13.87 | 13.90 | 13.98 | |
| 20 | 64QAM | 100 | 0 | 14.03 | 13.97 | 14.02 | |
| Channel | | | | 133197 | 133322 | 133397 | |
| Frequency (MHz) | | | | 670.5 | 683 | 690.5 | |
| 15 | QPSK | 1 | 0 | 17.81 | 17.92 | 17.79 | 19 |
| 15 | QPSK | 1 | 37 | 17.86 | 17.82 | 17.85 | |
| 15 | QPSK | 1 | 74 | 17.83 | 17.79 | 17.79 | |
| 15 | QPSK | 36 | 0 | 16.85 | 16.98 | 16.96 | 18 |
| 15 | QPSK | 36 | 20 | 16.94 | 16.91 | 16.93 | |
| 15 | QPSK | 36 | 39 | 16.82 | 16.81 | 16.84 | |
| 15 | QPSK | 75 | 0 | 16.90 | 16.83 | 16.95 | 18 |
| 15 | 16QAM | 1 | 0 | 16.87 | 16.99 | 17.04 | |
| 15 | 16QAM | 1 | 37 | 16.80 | 17.04 | 16.95 | |
| 15 | 16QAM | 1 | 74 | 16.83 | 16.90 | 17.04 | 17 |
| 15 | 16QAM | 36 | 0 | 15.91 | 15.94 | 16.04 | |
| 15 | 16QAM | 36 | 20 | 15.97 | 15.91 | 15.97 | |
| 15 | 16QAM | 36 | 39 | 15.95 | 15.93 | 15.83 | 17 |
| 15 | 16QAM | 75 | 0 | 15.77 | 15.94 | 15.86 | |
| 15 | 64QAM | 1 | 0 | 15.84 | 15.98 | 15.87 | |
| 15 | 64QAM | 1 | 37 | 15.82 | 16.07 | 15.98 | 17 |
| 15 | 64QAM | 1 | 74 | 16.01 | 15.86 | 15.93 | |
| 15 | 64QAM | 36 | 0 | 14.96 | 14.99 | 14.85 | |
| 15 | 64QAM | 36 | 20 | 14.84 | 14.91 | 15.04 | 16 |
| 15 | 64QAM | 36 | 39 | 15.04 | 15.05 | 14.90 | |
| 15 | 64QAM | 75 | 0 | 15.08 | 14.95 | 14.92 | |
| Channel | | | | 133172 | 133322 | 133422 | |
| Frequency (MHz) | | | | 668 | 683 | 693 | |
| 10 | QPSK | 1 | 0 | 17.86 | 17.90 | 17.76 | 19 |
| 10 | QPSK | 1 | 25 | 17.88 | 17.79 | 17.81 | |
| 10 | QPSK | 1 | 49 | 17.83 | 17.85 | 17.83 | |
| 10 | QPSK | 25 | 0 | 16.84 | 17.05 | 17.06 | 18 |
| 10 | QPSK | 25 | 12 | 16.83 | 16.91 | 16.87 | |
| 10 | QPSK | 25 | 25 | 16.97 | 17.02 | 16.88 | |
| 10 | QPSK | 50 | 0 | 16.81 | 16.90 | 16.96 | 18 |
| 10 | 16QAM | 1 | 0 | 17.05 | 16.95 | 17.06 | |
| 10 | 16QAM | 1 | 25 | 16.87 | 16.85 | 16.94 | |
| 10 | 16QAM | 1 | 49 | 16.89 | 16.97 | 16.92 | 17 |
| 10 | 16QAM | 25 | 0 | 15.98 | 15.91 | 16.06 | |
| 10 | 16QAM | 25 | 12 | 15.94 | 15.90 | 15.79 | |
| 10 | 16QAM | 25 | 25 | 15.96 | 15.99 | 15.98 | 17 |
| 10 | 16QAM | 50 | 0 | 15.79 | 16.02 | 15.83 | |
| 10 | 64QAM | 1 | 0 | 15.82 | 15.94 | 15.83 | |
| 10 | 64QAM | 1 | 25 | 16.04 | 15.98 | 15.89 | 17 |
| 10 | 64QAM | 1 | 49 | 15.94 | 15.80 | 15.96 | |
| 10 | 64QAM | 25 | 0 | 14.78 | 15.02 | 15.06 | |
| 10 | 64QAM | 25 | 12 | 14.99 | 15.08 | 14.97 | 16 |
| 10 | 64QAM | 25 | 25 | 15.01 | 14.95 | 15.08 | |
| 10 | 64QAM | 50 | 0 | 15.07 | 15.05 | 15.01 | |
| Channel | | | | 133147 | 133322 | 133447 | |
| Frequency (MHz) | | | | 665.5 | 683 | 695.5 | |
| 5 | QPSK | 1 | 0 | 17.88 | 17.89 | 17.81 | 19 |
| 5 | QPSK | 1 | 12 | 17.67 | 17.73 | 17.73 | |
| 5 | QPSK | 1 | 24 | 17.81 | 17.83 | 17.79 | |
| 5 | QPSK | 12 | 0 | 17.16 | 17.05 | 16.91 | 18 |
| 5 | QPSK | 12 | 7 | 16.92 | 17.02 | 17.07 | |
| 5 | QPSK | 12 | 13 | 16.93 | 16.82 | 16.85 | |
| 5 | QPSK | 25 | 0 | 16.97 | 16.93 | 17.02 | 18 |
| 5 | 16QAM | 1 | 0 | 16.99 | 16.97 | 17.02 | |
| 5 | 16QAM | 1 | 12 | 16.90 | 16.88 | 17.09 | |
| 5 | 16QAM | 1 | 24 | 16.80 | 17.01 | 16.92 | 17 |
| 5 | 16QAM | 12 | 0 | 15.85 | 15.98 | 15.88 | |
| 5 | 16QAM | 12 | 7 | 15.80 | 16.02 | 15.85 | |
| 5 | 16QAM | 12 | 13 | 16.02 | 15.99 | 15.95 | 17 |
| 5 | 16QAM | 25 | 0 | 16.03 | 15.92 | 15.80 | |
| 5 | 64QAM | 1 | 0 | 15.94 | 15.93 | 16.10 | |
| 5 | 64QAM | 1 | 12 | 15.97 | 15.93 | 15.88 | 17 |
| 5 | 64QAM | 1 | 24 | 15.86 | 15.76 | 15.96 | |
| 5 | 64QAM | 12 | 0 | 15.00 | 15.06 | 15.08 | |
| 5 | 64QAM | 12 | 7 | 14.99 | 14.95 | 14.94 | 16 |
| 5 | 64QAM | 12 | 13 | 14.89 | 14.93 | 14.90 | |
| 5 | 64QAM | 25 | 0 | 14.86 | 15.01 | 15.00 | |



| Band 41 PC2 (2496~2690MHz) (dBm) | | | | | | | | | | |
|----------------------------------|------------|---------|-----------|-------------|--------------------|---------------------|--------------|---------------------|------|------|
| BW (MHz) | Modulation | RB Size | RB Offset | Low Channel | Middle Low Channel | Middle High Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 39750 | 40185 | 40600 | 41055 | 41490 | | |
| Frequency (MHz) | | | | 2506 | 2549.5 | 2593 | 2636.5 | 2680 | | |
| 20 | QPSK | 1 | 0 | 15.52 | 15.66 | 15.72 | 15.80 | 15.57 | 16.5 | |
| 20 | QPSK | 1 | 49 | 15.33 | 15.43 | 15.45 | 15.57 | 15.60 | | |
| 20 | QPSK | 1 | 99 | 15.50 | 15.49 | 15.50 | 15.51 | 15.57 | | |
| 20 | QPSK | 50 | 0 | 14.70 | 14.73 | 14.75 | 14.72 | 14.55 | | |
| 20 | QPSK | 50 | 34 | 14.82 | 14.72 | 14.68 | 14.68 | 14.59 | 15.5 | |
| 20 | QPSK | 50 | 50 | 14.55 | 14.58 | 14.57 | 14.68 | 14.52 | | |
| 20 | QPSK | 100 | 0 | 14.45 | 14.54 | 14.55 | 14.52 | 14.53 | | |
| 20 | 16QAM | 1 | 0 | 14.68 | 14.72 | 14.69 | 14.68 | 14.84 | | |
| 20 | 16QAM | 1 | 49 | 14.67 | 14.69 | 14.51 | 14.56 | 14.73 | 15.5 | |
| 20 | 16QAM | 1 | 99 | 14.75 | 14.74 | 14.55 | 14.76 | 14.70 | | |
| 20 | 16QAM | 50 | 0 | 13.59 | 13.65 | 13.58 | 13.73 | 13.55 | | |
| 20 | 16QAM | 50 | 24 | 13.56 | 13.66 | 13.59 | 13.50 | 13.57 | | |
| 20 | 16QAM | 50 | 50 | 13.52 | 13.70 | 13.68 | 13.65 | 13.50 | 14.5 | |
| 20 | 16QAM | 100 | 0 | 13.57 | 13.52 | 13.50 | 13.61 | 13.65 | | |
| 20 | 84QAM | 1 | 0 | 13.72 | 13.73 | 13.71 | 13.68 | 13.65 | | |
| 20 | 84QAM | 1 | 49 | 13.51 | 13.66 | 13.51 | 13.65 | 13.67 | | |
| 20 | 84QAM | 1 | 99 | 13.71 | 13.64 | 13.68 | 13.42 | 13.44 | 14.5 | |
| 20 | 84QAM | 50 | 0 | 12.74 | 12.76 | 12.64 | 12.75 | 12.65 | | |
| 20 | 84QAM | 50 | 24 | 12.61 | 12.61 | 12.73 | 12.70 | 12.73 | | |
| 20 | 84QAM | 50 | 50 | 12.52 | 12.82 | 12.51 | 12.76 | 12.72 | | |
| 20 | 84QAM | 100 | 0 | 12.63 | 12.66 | 12.67 | 12.82 | 12.68 | 13.5 | |
| Channel | | | | 39725 | 40173 | 40620 | 41068 | 41515 | | |
| Frequency (MHz) | | | | 2503.5 | 2548.3 | 2593 | 2637.8 | 2682.5 | | |
| 15 | QPSK | 1 | 0 | 15.59 | 15.58 | 15.69 | 15.64 | 15.54 | | 16.5 |
| 15 | QPSK | 1 | 37 | 15.66 | 15.40 | 15.60 | 15.39 | 15.41 | | |
| 15 | QPSK | 1 | 74 | 15.62 | 15.50 | 15.65 | 15.58 | 15.49 | | |
| 15 | QPSK | 36 | 0 | 14.53 | 14.75 | 14.77 | 14.69 | 14.64 | | |
| 15 | QPSK | 36 | 20 | 14.68 | 14.94 | 14.67 | 14.60 | 14.61 | 15.5 | |
| 15 | QPSK | 36 | 39 | 14.59 | 14.74 | 14.58 | 14.73 | 14.72 | | |
| 15 | QPSK | 75 | 0 | 14.67 | 14.60 | 14.58 | 14.55 | 14.69 | | |
| 15 | 16QAM | 1 | 0 | 14.49 | 14.81 | 14.72 | 14.68 | 14.59 | | |
| 15 | 16QAM | 1 | 37 | 14.40 | 14.49 | 14.62 | 14.70 | 14.72 | 15.5 | |
| 15 | 16QAM | 1 | 74 | 14.64 | 14.49 | 14.36 | 14.59 | 14.44 | | |
| 15 | 16QAM | 36 | 0 | 13.49 | 13.63 | 13.78 | 13.63 | 13.60 | | |
| 15 | 16QAM | 36 | 20 | 13.52 | 13.46 | 13.47 | 13.68 | 13.47 | | |
| 15 | 16QAM | 36 | 39 | 13.56 | 13.61 | 13.52 | 13.53 | 13.59 | 14.5 | |
| 15 | 16QAM | 75 | 0 | 13.74 | 13.61 | 13.72 | 13.56 | 13.53 | | |
| 15 | 84QAM | 1 | 0 | 13.74 | 13.65 | 13.69 | 13.57 | 13.50 | | |
| 15 | 84QAM | 1 | 37 | 13.59 | 13.55 | 13.67 | 13.58 | 13.41 | | |
| 15 | 84QAM | 1 | 74 | 13.48 | 13.45 | 13.71 | 13.47 | 13.43 | 14.5 | |
| 15 | 84QAM | 36 | 0 | 12.60 | 12.69 | 12.70 | 12.66 | 12.63 | | |
| 15 | 84QAM | 36 | 20 | 12.61 | 12.74 | 12.65 | 12.67 | 12.68 | | |
| 15 | 84QAM | 36 | 39 | 12.72 | 12.54 | 12.63 | 12.47 | 12.45 | | |
| 15 | 84QAM | 75 | 0 | 12.54 | 12.65 | 12.71 | 12.69 | 12.65 | 13.5 | |
| Channel | | | | 39700 | 40160 | 40620 | 41089 | 41540 | | |
| Frequency (MHz) | | | | 2501 | 2547 | 2593 | 2647 | 2695 | | |
| 10 | QPSK | 1 | 0 | 15.44 | 15.61 | 15.70 | 15.63 | 15.41 | | 16.5 |
| 10 | QPSK | 1 | 25 | 15.43 | 15.48 | 15.41 | 15.45 | 15.59 | | |
| 10 | QPSK | 1 | 49 | 15.69 | 15.62 | 15.68 | 15.65 | 15.49 | | |
| 10 | QPSK | 25 | 0 | 14.61 | 14.75 | 14.77 | 14.66 | 14.67 | | |
| 10 | QPSK | 25 | 12 | 14.57 | 14.76 | 14.59 | 14.72 | 14.73 | 15.5 | |
| 10 | QPSK | 25 | 25 | 14.73 | 14.47 | 14.51 | 14.58 | 14.73 | | |
| 10 | QPSK | 50 | 0 | 14.48 | 14.62 | 14.71 | 14.59 | 14.54 | | |
| 10 | 16QAM | 1 | 0 | 14.60 | 14.88 | 14.74 | 14.69 | 14.69 | | |
| 10 | 16QAM | 1 | 25 | 14.45 | 14.75 | 14.67 | 14.56 | 14.59 | 15.5 | |
| 10 | 16QAM | 1 | 49 | 14.71 | 14.50 | 14.36 | 14.47 | 14.48 | | |
| 10 | 16QAM | 25 | 0 | 13.49 | 13.69 | 13.63 | 13.61 | 13.49 | | |
| 10 | 16QAM | 25 | 12 | 13.78 | 13.57 | 13.71 | 13.76 | 13.44 | | |
| 10 | 16QAM | 25 | 25 | 13.63 | 13.64 | 13.58 | 13.57 | 13.65 | 14.5 | |
| 10 | 16QAM | 50 | 0 | 13.77 | 13.57 | 13.70 | 13.70 | 13.42 | | |
| 10 | 84QAM | 1 | 0 | 13.68 | 13.63 | 13.55 | 13.65 | 13.63 | | |
| 10 | 84QAM | 1 | 25 | 13.80 | 13.58 | 13.73 | 13.67 | 13.47 | | |
| 10 | 84QAM | 1 | 49 | 13.68 | 13.75 | 13.55 | 13.73 | 13.64 | 14.5 | |
| 10 | 84QAM | 25 | 0 | 12.63 | 12.72 | 12.68 | 12.76 | 12.74 | | |
| 10 | 84QAM | 25 | 12 | 12.81 | 12.68 | 12.66 | 12.58 | 12.78 | | |
| 10 | 84QAM | 25 | 25 | 12.61 | 12.76 | 12.57 | 12.70 | 12.78 | | |
| 10 | 84QAM | 50 | 0 | 12.57 | 12.55 | 12.66 | 12.73 | 12.59 | 13.5 | |
| Channel | | | | 39675 | 40148 | 40620 | 41063 | 41565 | | |
| Frequency (MHz) | | | | 2498.5 | 2545.8 | 2593 | 2640.30 | 2697.5 | | |
| 5 | QPSK | 1 | 0 | 15.44 | 15.61 | 15.68 | 15.58 | 15.62 | | 16.5 |
| 5 | QPSK | 1 | 12 | 15.45 | 15.62 | 15.66 | 15.60 | 15.37 | | |
| 5 | QPSK | 1 | 24 | 15.43 | 15.52 | 15.57 | 15.60 | 15.54 | | |
| 5 | QPSK | 12 | 0 | 14.78 | 14.66 | 14.66 | 14.61 | 14.73 | | |
| 5 | QPSK | 12 | 7 | 14.77 | 14.69 | 14.81 | 14.85 | 14.58 | 15.5 | |
| 5 | QPSK | 12 | 13 | 14.77 | 14.72 | 14.72 | 14.76 | 14.67 | | |
| 5 | QPSK | 25 | 0 | 14.48 | 14.63 | 14.71 | 14.80 | 14.54 | | |
| 5 | 16QAM | 1 | 0 | 14.57 | 14.69 | 14.77 | 14.59 | 14.55 | | |
| 5 | 16QAM | 1 | 12 | 14.59 | 14.49 | 14.59 | 14.70 | 14.62 | 15.5 | |
| 5 | 16QAM | 1 | 24 | 14.59 | 14.49 | 14.36 | 14.52 | 14.61 | | |
| 5 | 16QAM | 12 | 0 | 13.48 | 13.65 | 13.60 | 13.66 | 13.60 | | |
| 5 | 16QAM | 12 | 7 | 13.64 | 13.79 | 13.43 | 13.69 | 13.44 | | |
| 5 | 16QAM | 12 | 13 | 13.69 | 13.72 | 13.75 | 13.87 | 13.71 | 14.5 | |
| 5 | 16QAM | 25 | 0 | 13.61 | 13.64 | 13.68 | 13.70 | 13.63 | | |
| 5 | 84QAM | 1 | 0 | 13.77 | 13.65 | 13.55 | 13.63 | 13.66 | | |
| 5 | 84QAM | 1 | 12 | 13.72 | 13.60 | 13.38 | 13.60 | 13.41 | | |
| 5 | 84QAM | 1 | 24 | 13.54 | 13.63 | 13.54 | 13.44 | 13.59 | 14.5 | |
| 5 | 84QAM | 12 | 0 | 12.84 | 12.80 | 12.75 | 12.74 | 12.66 | | |
| 5 | 84QAM | 12 | 7 | 12.84 | 12.82 | 12.72 | 12.72 | 12.81 | | |
| 5 | 84QAM | 12 | 13 | 12.45 | 12.61 | 12.70 | 12.65 | 12.43 | | |
| 5 | 84QAM | 25 | 0 | 12.57 | 12.73 | 12.77 | 12.84 | 12.51 | 13.5 | |

| Band 41 PC3 (2496~2690MHz) (dBm) | | | | | | | | | | |
|----------------------------------|------------|---------|-----------|-------------|--------------------|---------------------|--------------|---------------------|------|------|
| BW (MHz) | Modulation | RB Size | RB Offset | Low Channel | Middle Low Channel | Middle High Channel | High Channel | Tune-up limit (dBm) | | |
| Channel | | | | 39750 | 40185 | 40620 | 41055 | 41490 | | |
| Frequency (MHz) | | | | 2506 | 2549.5 | 2593 | 2636.5 | 2680 | | |
| 20 | QPSK | 1 | 0 | 12.85 | 12.91 | 12.95 | 12.89 | 12.78 | 13.5 | |
| 20 | QPSK | 1 | 49 | 12.70 | 12.83 | 12.90 | 12.79 | 12.78 | | |
| 20 | QPSK | 1 | 99 | 12.84 | 12.82 | 12.84 | 12.72 | 12.69 | | |
| 20 | QPSK | 50 | 0 | 11.88 | 11.89 | 11.96 | 11.87 | 11.78 | | |
| 20 | QPSK | 50 | 24 | 11.76 | 11.81 | 11.75 | 11.86 | 11.80 | 12.5 | |
| 20 | QPSK | 50 | 50 | 11.83 | 11.70 | 11.81 | 11.86 | 11.75 | | |
| 20 | QPSK | 100 | 0 | 11.88 | 11.85 | 11.92 | 11.88 | 11.76 | | |
| 20 | 16QAM | 1 | 0 | 11.70 | 11.90 | 11.93 | 11.89 | 11.69 | | |
| 20 | 16QAM | 1 | 49 | 11.60 | 11.78 | 11.72 | 11.81 | 11.73 | 12.5 | |
| 20 | 16QAM | 1 | 99 | 11.78 | 11.52 | 11.68 | 11.71 | 11.59 | | |
| 20 | 16QAM | 50 | 0 | 10.70 | 10.79 | 10.74 | 10.85 | 10.83 | | |
| 20 | 16QAM | 50 | 24 | 10.72 | 10.78 | 10.88 | 10.66 | 10.76 | | |
| 20 | 16QAM | 50 | 50 | 10.77 | 11.09 | 10.80 | 10.88 | 10.78 | 11.5 | |
| 20 | 16QAM | 100 | 0 | 10.78 | 10.85 | 10.83 | 10.79 | 10.70 | | |
| 20 | 84QAM | 1 | 0 | 10.73 | 10.84 | 10.88 | 10.82 | 10.68 | | |
| 20 | 84QAM | 1 | 49 | 10.74 | 10.78 | 10.73 | 10.85 | 10.78 | | |
| 20 | 84QAM | 1 | 99 | 10.83 | 10.84 | 10.76 | 10.69 | 10.80 | 11.5 | |
| 20 | 84QAM | 50 | 0 | 9.86 | 9.82 | 9.86 | 9.80 | 9.85 | | |
| 20 | 84QAM | 50 | 24 | 9.76 | 9.88 | 9.84 | 9.83 | 9.88 | | |
| 20 | 84QAM | 50 | 50 | 9.88 | 9.81 | 9.82 | 9.69 | 9.75 | | |
| 20 | 84QAM | 100 | 0 | 9.86 | 9.89 | 9.78 | 9.86 | 9.83 | 10.5 | |
| Channel | | | | 39725 | 40173 | 40620 | 41088 | 41515 | | |
| Frequency (MHz) | | | | 2503.5 | 2548.3 | 2593 | 2637.8 | 2682.5 | | |
| 15 | QPSK | 1 | 0 | 12.81 | 12.76 | 12.91 | 12.89 | 12.74 | | 13.5 |
| 15 | QPSK | 1 | 37 | 12.89 | 12.92 | 12.59 | 12.59 | 12.64 | | |
| 15 | QPSK | 1 | 74 | 12.80 | 12.88 | 12.87 | 12.68 | 12.90 | | |
| 15 | QPSK | 36 | 0 | 11.94 | 11.94 | 12.01 | 11.89 | 11.90 | | |
| 15 | QPSK | 36 | 20 | 11.89 | 12.01 | 11.89 | 11.81 | 11.72 | 12.5 | |
| 15 | QPSK | 36 | 39 | 11.88 | 11. | | | | | |



| CA_7C | | | | | | | | | | | |
|--------------------------------------|--------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|--------------------|
| Combination:20MHz+20MHz(100RB+100RB) | | | | | | | | | | | |
| PCC Channel | PCC Channel (3GPP) | SCC Channel | Modulation | PCC | | SCC | | Total RB Size | Target MPR Level(dB) | Measured Power(dBm) | Tune-up limit(dBm) |
| | | | | RB Size | RB Offset | RB Size | RB Offset | | | | |
| 20850 | 20850 | 21048 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 12.76 | 13.50 |
| 21100 | 21001 | 21199 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 12.75 | 13.50 |
| 21350 | 21152 | 21350 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 12.57 | 13.50 |
| 20850 | 20850 | 21048 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 12.08 | 12.00 |
| 21100 | 21001 | 21199 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 12.19 | 12.00 |
| 21350 | 21152 | 21350 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 11.96 | 12.00 |
| 20850 | 20850 | 21048 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 10.74 | 11.00 |
| 21100 | 21001 | 21199 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 10.64 | 11.00 |
| 21350 | 21152 | 21350 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 10.68 | 11.00 |
| 20850 | 20850 | 21048 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 12.47 | 13.00 |
| 21100 | 21001 | 21199 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 12.39 | 13.00 |
| 21350 | 21152 | 21350 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 12.41 | 13.00 |

| CA_41C_PC3 | | | | | | | | | | | |
|--------------------------------------|--------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|--------------------|
| Combination:20MHz+20MHz(100RB+100RB) | | | | | | | | | | | |
| PCC Channel | PCC Channel (3GPP) | SCC Channel | Modulation | PCC | | SCC | | Total RB Size | Target MPR Level(dB) | Measured Power(dBm) | Tune-up limit(dBm) |
| | | | | RB Size | RB Offset | RB Size | RB Offset | | | | |
| 39750 | 39750 | 39948 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 12.37 | 13.00 |
| 40620 | 40521 | 40719 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 12.29 | 13.00 |
| 41490 | 41292 | 41490 | QPSK | 1 | 0 | 0 | 0 | 1 | 0 | 12.31 | 13.00 |
| 39750 | 39750 | 39948 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 11.38 | 12.00 |
| 40620 | 40521 | 40719 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 11.49 | 12.00 |
| 41490 | 41292 | 41490 | 16QAM | 1 | 0 | 0 | 0 | 1 | 0 | 11.26 | 12.00 |
| 39750 | 39750 | 39948 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 10.04 | 11.00 |
| 40620 | 40521 | 40719 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 9.94 | 11.00 |
| 41490 | 41292 | 41490 | 64QAM | 1 | 0 | 0 | 0 | 1 | 0 | 9.98 | 11.00 |
| 39750 | 39750 | 39948 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 11.86 | 12.50 |
| 40620 | 40521 | 40719 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 11.72 | 12.50 |
| 41490 | 41292 | 41490 | QPSK | 50 | 0 | 0 | 0 | 1 | 0 | 11.78 | 12.50 |



2.4GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % | |
|-------------------|-------------------|-----------------|---------------------|---------------|---------------|--------------|-------|
| 2.4GHz WLAN ANT 1 | 802.11b 1Mbps | CH 1 | 2412 | 14.12 | 16.00 | 14.00 | 98.55 |
| | | CH 6 | 2437 | 14.24 | 16.00 | 14.00 | |
| | | CH 11 | 2462 | 13.55 | 15.50 | 14.00 | |
| | 802.11g 6Mbps | CH 1 | 2412 | 12.46 | 14.00 | 13.00 | 98.26 |
| | | CH 6 | 2437 | 13.04 | 15.00 | 13.00 | |
| | | CH 11 | 2462 | 12.65 | 14.50 | 13.00 | |
| | 802.11n-HT20 MCS0 | CH 1 | 2412 | 12.31 | 14.00 | 13.00 | 98.13 |
| | | CH 6 | 2437 | 12.83 | 14.50 | 13.00 | |
| | | CH 11 | 2462 | 12.46 | 14.00 | 13.00 | |
| 802.11n-HT40 MCS0 | CH 3 | 2422 | 13.02 | 15.00 | 13.00 | 94.89 | |
| | CH 6 | 2437 | 13.41 | 15.00 | 13.00 | | |
| | CH 9 | 2452 | 12.97 | 14.50 | 13.00 | | |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % | |
|-------------------|---------------------|-----------------|---------------------|---------------|---------------|--------------|-------|
| 5.2GHz WLAN ANT 1 | 802.11a 6Mbps | CH 36 | 5180 | 11.87 | 13.50 | 13.00 | 98.21 |
| | | CH 44 | 5220 | 12.08 | 14.00 | 13.00 | |
| | | CH 48 | 5240 | 11.74 | 13.50 | 13.00 | |
| | 802.11n-HT20 MCS0 | CH 36 | 5180 | 10.90 | 12.50 | 12.00 | 98.08 |
| | | CH 44 | 5220 | 11.04 | 13.00 | 12.00 | |
| | | CH 48 | 5240 | 10.74 | 12.50 | 12.00 | |
| | 802.11n-HT40 MCS0 | CH 38 | 5190 | 11.30 | 13.00 | 12.00 | 96.37 |
| | | CH 46 | 5230 | 11.24 | 13.00 | 12.00 | |
| | 802.11ac-VHT20 MCS0 | CH 36 | 5180 | 10.48 | 12.00 | 11.50 | 98.09 |
| | | CH 44 | 5220 | 10.54 | 12.50 | 11.50 | |
| | | CH 48 | 5240 | 10.22 | 12.00 | 11.50 | |
| | 802.11ac-VHT40 MCS0 | CH 38 | 5190 | 10.82 | 12.50 | 11.50 | 96.35 |
| | | CH 46 | 5230 | 10.83 | 12.50 | 11.50 | |
| | 802.11ac-VHT80 MCS0 | CH 42 | 5210 | 10.76 | 12.50 | 11.50 | 92.68 |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % | |
|-------------------|---------------------|-----------------|---------------------|---------------|---------------|--------------|-------|
| 5.3GHz WLAN ANT 1 | 802.11a 6Mbps | CH 52 | 5260 | 11.30 | 13.00 | 12.00 | 98.21 |
| | | CH 60 | 5300 | 11.16 | 13.00 | 12.00 | |
| | | CH 64 | 5320 | 10.66 | 12.50 | 12.00 | |
| | 802.11n-HT20 MCS0 | CH 52 | 5260 | 10.26 | 12.00 | 11.00 | 98.08 |
| | | CH 60 | 5300 | 10.11 | 12.00 | 11.00 | |
| | | CH 64 | 5320 | 9.61 | 11.50 | 11.00 | |
| | 802.11n-HT40 MCS0 | CH 54 | 5270 | 10.38 | 12.00 | 11.00 | 96.37 |
| | | CH 62 | 5310 | 10.26 | 12.00 | 11.00 | |
| | 802.11ac-VHT20 MCS0 | CH 52 | 5260 | 9.78 | 11.50 | 10.50 | 98.09 |
| | | CH 60 | 5300 | 9.57 | 11.50 | 10.50 | |
| | | CH 64 | 5320 | 9.14 | 11.00 | 10.50 | |
| | 802.11ac-VHT40 MCS0 | CH 54 | 5270 | 9.91 | 11.50 | 10.50 | 96.35 |
| | | CH 62 | 5310 | 9.79 | 11.50 | 10.50 | |
| | 802.11ac-VHT80 MCS0 | CH 58 | 5290 | 9.71 | 11.50 | 10.50 | 92.68 |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % | |
|-------------------|---------------------|-----------------|---------------------|---------------|---------------|--------------|-------|
| 5.5GHz WLAN ANT 1 | 802.11a 6Mbps | CH 100 | 5500 | 10.77 | 12.50 | 10.50 | 98.21 |
| | | CH 120 | 5600 | 11.02 | 13.00 | 10.50 | |
| | | CH 144 | 5720 | 10.62 | 12.50 | 10.50 | |
| | 802.11n-HT20 MCS0 | CH 100 | 5500 | 9.74 | 11.50 | 10.50 | 98.08 |
| | | CH 120 | 5600 | 9.89 | 11.50 | 10.50 | |
| | | CH 144 | 5720 | 8.97 | 10.50 | 10.50 | |
| | 802.11n-HT40 MCS0 | CH 102 | 5510 | 10.00 | 12.00 | 9.50 | 96.37 |
| | | CH 126 | 5630 | 10.27 | 12.00 | 9.50 | |
| | | CH 142 | 5710 | 9.35 | 11.00 | 9.50 | |
| | 802.11ac-VHT20 MCS0 | CH 100 | 5500 | 9.29 | 11.00 | 9.50 | 98.09 |
| | | CH 120 | 5600 | 9.45 | 11.00 | 9.50 | |
| | | CH 144 | 5720 | 8.57 | 10.50 | 9.50 | |
| | 802.11ac-VHT40 MCS0 | CH 102 | 5510 | 9.63 | 11.50 | 9.00 | 96.25 |
| | | CH 126 | 5630 | 9.82 | 11.50 | 9.00 | |
| | | CH 142 | 5710 | 8.88 | 10.50 | 9.00 | |
| | 802.11ac-VHT80 MCS0 | CH 106 | 5530 | 9.51 | 11.50 | 9.00 | 92.68 |
| | | CH 122 | 5610 | 9.71 | 11.50 | 9.00 | |
| | | CH 138 | 5690 | 9.19 | 11.00 | 9.00 | |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Power Setting | Duty Cycle % | |
|-------------------|---------------------|-----------------|---------------------|---------------|---------------|--------------|-------|
| 5.8GHz WLAN ANT 1 | 802.11a 6Mbps | CH 149 | 5745 | 10.18 | 12.00 | 16.00 | 98.21 |
| | | CH 157 | 5785 | 9.69 | 11.50 | 16.00 | |
| | | CH 165 | 5825 | 9.54 | 11.50 | 16.00 | |
| | 802.11n-HT20 MCS0 | CH 149 | 5745 | 9.13 | 11.00 | 15.00 | 98.08 |
| | | CH 157 | 5785 | 8.62 | 10.50 | 15.00 | |
| | | CH 165 | 5825 | 8.54 | 10.50 | 15.00 | |
| | 802.11n-HT40 MCS0 | CH 151 | 5755 | 9.46 | 11.00 | 15.00 | 96.37 |
| | | CH 159 | 5795 | 8.99 | 10.50 | 15.00 | |
| | 802.11ac-VHT20 MCS0 | CH 149 | 5745 | 8.76 | 10.50 | 14.50 | 98.09 |
| | | CH 157 | 5785 | 8.16 | 10.00 | 14.50 | |
| | | CH 165 | 5825 | 8.09 | 10.00 | 14.50 | |
| | 802.11ac-VHT40 MCS0 | CH 151 | 5755 | 9.01 | 11.00 | 14.50 | 96.25 |
| | | CH 159 | 5795 | 8.59 | 10.50 | 14.50 | |
| | 802.11ac-VHT80 MCS0 | CH 155 | 5775 | 8.63 | 10.50 | 14.50 | 92.68 |