



Default Power for WWAN Main PA

| GSM850 | GSM850 Ant0 Default | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| | Burst Average Power (dBm) | | | | 128 | 189 | 251 | |
| | TX Channel | 128 | 189 | | 251 | 128 | 189 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 34.00 | 23.93 | 24.09 | 24.05 | 25.00 |
| GSM 1 Tx slot | 32.93 | 33.09 | 33.05 | 34.00 | 23.97 | 24.13 | 24.07 | 25.00 |
| GPRS 1 Tx slot | 32.97 | 33.13 | 33.07 | 34.00 | 23.97 | 24.13 | 24.07 | 25.00 |
| GPRS 2 Tx slots | 30.09 | 30.12 | 30.04 | 31.00 | 24.09 | 24.12 | 24.04 | 25.00 |
| GPRS 3 Tx slots | 28.23 | 28.34 | 28.18 | 29.20 | 23.97 | 24.08 | 23.93 | 24.94 |
| GPRS 4 Tx slots | 28.91 | 28.95 | 28.88 | 29.00 | 23.91 | 23.95 | 23.88 | 25.00 |
| EDGE 1 Tx slot | 27.01 | 27.13 | 27.08 | 28.00 | 18.01 | 18.13 | 18.08 | 19.00 |
| EDGE 2 Tx slots | 24.17 | 24.25 | 24.10 | 25.00 | 18.17 | 18.25 | 18.10 | 19.00 |
| EDGE 3 Tx slots | 22.31 | 22.41 | 22.28 | 23.20 | 18.05 | 18.15 | 18.02 | 18.94 |
| EDGE 4 Tx slots | 21.12 | 21.17 | 21.04 | 22.00 | 18.12 | 18.17 | 18.04 | 19.00 |

| Band | WCDMA V Ant0 Default | | | Tune-up Limit (dBm) |
|------------------------------------|----------------------|-------|-------|---------------------|
| | WCDMA V | | | |
| | TX Channel | 4132 | 4182 | |
| Rx Channel | 4357 | 4407 | 4458 | |
| Frequency (MHz) | 826.4 | 836.4 | 846.6 | |
| 3GPP Rel 99 AMR 12.2Kbps | 23.98 | 24.11 | 24.08 | 25.00 |
| 3GPP Rel 99 RMC 12.2Kbps | 24.04 | 24.16 | 24.13 | 25.00 |
| 3GPP Rel 6 HSDPA Subtest-1 | 23.15 | 23.15 | 23.11 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-2 | 23.09 | 23.15 | 23.07 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-3 | 22.54 | 22.69 | 22.61 | 23.50 |
| 3GPP Rel 6 HSDPA Subtest-4 | 22.56 | 22.63 | 22.57 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 23.03 | 23.14 | 23.10 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 23.04 | 23.14 | 23.06 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 22.45 | 22.60 | 22.53 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 22.43 | 22.56 | 22.50 | 23.50 |
| 3GPP Rel 6 HSUPA Subtest-1 | 22.98 | 23.03 | 23.05 | 24.00 |
| 3GPP Rel 6 HSUPA Subtest-2 | 21.08 | 21.21 | 21.06 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-3 | 22.09 | 22.26 | 22.21 | 23.00 |
| 3GPP Rel 6 HSUPA Subtest-4 | 21.06 | 21.11 | 21.03 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-5 | 23.02 | 23.11 | 23.05 | 24.00 |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 20.57 | 20.76 | 20.64 | 21.50 |



Band 5 Main PA Ant0

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Med. Ch./Freq. | Power High Ch./Freq. | Tune-up (dB) | MPE (dB) |
|--------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------|----------|
| Channel | | | | | | | | |
| 824 836.5 844 | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.45 | 24.56 | 24.60 | | |
| 10 | QPSK | 5 | 25 | 24.40 | 24.48 | 24.54 | 25.5 | 0 |
| 10 | QPSK | 1 | 40 | 24.38 | 24.52 | 24.54 | | |
| 10 | QPSK | 25 | 0 | 23.48 | 23.59 | 23.64 | | |
| 10 | QPSK | 25 | 12 | 23.43 | 23.47 | 23.50 | 24.5 | 1 |
| 10 | QPSK | 25 | 25 | 23.34 | 23.50 | 23.40 | | |
| 10 | QPSK | 50 | 0 | 23.43 | 23.54 | 23.47 | | |
| 10 | HQAM | 1 | 0 | 23.79 | 23.84 | 23.79 | | |
| 10 | HQAM | 1 | 25 | 23.72 | 23.71 | 23.68 | 24.5 | 1 |
| 10 | HQAM | 1 | 40 | 23.68 | 23.73 | 23.69 | | |
| 10 | HQAM | 25 | 0 | 22.59 | 22.52 | 22.41 | | |
| 10 | HQAM | 25 | 12 | 22.57 | 22.48 | 22.33 | 23.5 | 2 |
| 10 | HQAM | 25 | 25 | 22.36 | 22.44 | 22.34 | | |
| 10 | HQAM | 50 | 0 | 22.30 | 22.46 | 22.36 | | |
| 10 | HQAM | 1 | 0 | 22.59 | 22.66 | 22.58 | | |
| 10 | HQAM | 1 | 25 | 22.40 | 22.59 | 22.54 | 23.5 | 2 |
| 10 | HQAM | 1 | 40 | 22.51 | 22.67 | 22.44 | | |
| 10 | HQAM | 25 | 0 | 21.39 | 21.46 | 21.39 | | |
| 10 | HQAM | 25 | 12 | 21.39 | 21.48 | 21.28 | 22.5 | 3 |
| 10 | HQAM | 25 | 25 | 21.28 | 21.37 | 21.26 | | |
| 10 | HQAM | 50 | 0 | 21.23 | 21.51 | 21.29 | | |
| 10 | ZSSBAM | 1 | 0 | 19.41 | 19.56 | 19.47 | | |
| 10 | ZSSBAM | 1 | 25 | 19.38 | 19.66 | 19.41 | 20.5 | 5 |
| 10 | ZSSBAM | 1 | 40 | 19.38 | 19.56 | 19.44 | | |
| 10 | ZSSBAM | 25 | 0 | 19.35 | 19.45 | 19.37 | | |
| 10 | ZSSBAM | 25 | 12 | 19.24 | 19.49 | 19.24 | 20.5 | 5 |
| 10 | ZSSBAM | 25 | 25 | 19.34 | 19.40 | 19.34 | | |
| 10 | ZSSBAM | 50 | 0 | 19.43 | 19.49 | 19.41 | | |
| Channel | | | | | | | | |
| 2045 2052.5 2062.5 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 826.5 836.5 846.5 | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.32 | 24.52 | 24.41 | | |
| 5 | QPSK | 1 | 12 | 24.31 | 24.43 | 24.40 | 25.5 | 0 |
| 5 | QPSK | 1 | 24 | 24.29 | 24.40 | 24.22 | | |
| 5 | QPSK | 12 | 0 | 23.36 | 23.53 | 23.45 | | |
| 5 | QPSK | 12 | 7 | 23.39 | 23.36 | 23.38 | 24.5 | 1 |
| 5 | QPSK | 12 | 13 | 23.20 | 23.37 | 23.26 | | |
| 5 | QPSK | 25 | 0 | 23.34 | 23.46 | 23.39 | | |
| 5 | HQAM | 1 | 0 | 23.76 | 23.79 | 23.76 | | |
| 5 | HQAM | 1 | 12 | 23.69 | 23.60 | 23.54 | 24.5 | 1 |
| 5 | HQAM | 1 | 24 | 23.58 | 23.67 | 23.56 | | |
| 5 | HQAM | 12 | 0 | 22.29 | 22.44 | 22.35 | | |
| 5 | HQAM | 12 | 7 | 22.27 | 22.39 | 22.27 | 23.5 | 2 |
| 5 | HQAM | 12 | 13 | 22.32 | 22.31 | 22.24 | | |
| 5 | HQAM | 25 | 0 | 22.27 | 22.38 | 22.25 | | |
| 5 | HQAM | 1 | 0 | 22.48 | 22.61 | 22.53 | | |
| 5 | HQAM | 1 | 12 | 22.48 | 22.61 | 22.42 | 23.5 | 2 |
| 5 | HQAM | 1 | 24 | 22.44 | 22.52 | 22.35 | | |
| 5 | HQAM | 12 | 0 | 21.33 | 21.34 | 21.33 | | |
| 5 | HQAM | 12 | 7 | 21.28 | 21.41 | 21.26 | 22.5 | 3 |
| 5 | HQAM | 12 | 13 | 21.19 | 21.28 | 21.23 | | |
| 5 | HQAM | 25 | 0 | 21.14 | 21.48 | 21.14 | | |
| 5 | ZSSBAM | 1 | 0 | 19.35 | 19.51 | 19.36 | | |
| 5 | ZSSBAM | 1 | 12 | 19.34 | 19.57 | 19.31 | 20.5 | 5 |
| 5 | ZSSBAM | 1 | 24 | 19.33 | 19.51 | 19.36 | | |
| 5 | ZSSBAM | 12 | 0 | 19.29 | 19.36 | 19.27 | | |
| 5 | ZSSBAM | 12 | 7 | 19.20 | 19.34 | 19.19 | 20.5 | 5 |
| 5 | ZSSBAM | 12 | 13 | 19.31 | 19.29 | 19.27 | | |
| 5 | ZSSBAM | 25 | 0 | 19.33 | 19.43 | 19.29 | | |
| Channel | | | | | | | | |
| 2046 2052.5 2062.5 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 826.5 836.5 847.5 | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.31 | 24.50 | 24.47 | | |
| 3 | QPSK | 1 | 8 | 24.35 | 24.43 | 24.25 | 25.5 | 0 |
| 3 | QPSK | 1 | 14 | 24.22 | 24.45 | 24.29 | | |
| 3 | QPSK | 1 | 0 | 23.37 | 23.51 | 23.41 | | |
| 3 | QPSK | 8 | 4 | 23.35 | 23.38 | 23.41 | 24.5 | 1 |
| 3 | QPSK | 8 | 7 | 23.28 | 23.47 | 23.28 | | |
| 3 | QPSK | 8 | 0 | 23.39 | 23.44 | 23.45 | | |
| 3 | HQAM | 1 | 0 | 23.70 | 23.71 | 23.68 | 24.5 | 1 |
| 3 | HQAM | 1 | 8 | 23.68 | 23.68 | 23.54 | | |
| 3 | HQAM | 1 | 14 | 23.63 | 23.56 | 23.66 | | |
| 3 | HQAM | 8 | 0 | 22.28 | 22.42 | 22.37 | | |
| 3 | HQAM | 8 | 4 | 22.32 | 22.42 | 22.20 | 23.5 | 2 |
| 3 | HQAM | 8 | 7 | 22.25 | 22.38 | 22.24 | | |
| 3 | HQAM | 16 | 0 | 22.17 | 22.34 | 22.17 | | |
| 3 | HQAM | 1 | 0 | 22.66 | 22.63 | 22.63 | 23.5 | 2 |
| 3 | HQAM | 1 | 8 | 22.44 | 22.54 | 22.40 | | |
| 3 | HQAM | 1 | 14 | 22.44 | 22.56 | 22.40 | | |
| 3 | HQAM | 8 | 0 | 21.25 | 21.41 | 21.36 | | |
| 3 | HQAM | 8 | 4 | 21.24 | 21.35 | 21.15 | 22.5 | 3 |
| 3 | HQAM | 8 | 7 | 21.17 | 21.27 | 21.27 | | |
| 3 | HQAM | 16 | 0 | 21.08 | 21.38 | 21.17 | | |
| 3 | ZSSBAM | 1 | 0 | 19.35 | 19.47 | 19.38 | | |
| 3 | ZSSBAM | 1 | 8 | 19.27 | 19.54 | 19.33 | 20.5 | 5 |
| 3 | ZSSBAM | 1 | 14 | 19.24 | 19.43 | 19.33 | | |
| 3 | ZSSBAM | 8 | 0 | 19.27 | 19.32 | 19.22 | | |
| 3 | ZSSBAM | 8 | 4 | 19.12 | 19.39 | 19.18 | 20.5 | 5 |
| 3 | ZSSBAM | 8 | 7 | 19.30 | 19.36 | 19.30 | | |
| 3 | ZSSBAM | 16 | 0 | 19.35 | 19.46 | 19.30 | | |
| Channel | | | | | | | | |
| 2047 2052.5 2064.5 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 824.7 836.5 848.3 | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.34 | 24.47 | 24.43 | | |
| 1.4 | QPSK | 1 | 3 | 24.30 | 24.41 | 24.37 | 25.5 | 0 |
| 1.4 | QPSK | 1 | 5 | 24.31 | 24.48 | 24.29 | | |
| 1.4 | QPSK | 3 | 0 | 24.38 | 24.42 | 24.37 | | |
| 1.4 | QPSK | 3 | 1 | 24.38 | 24.41 | 24.36 | | |
| 1.4 | QPSK | 3 | 3 | 24.20 | 24.45 | 24.23 | 24.5 | 1 |
| 1.4 | QPSK | 8 | 0 | 23.42 | 23.50 | 23.41 | | |
| 1.4 | HQAM | 1 | 0 | 23.39 | 23.39 | 23.35 | | |
| 1.4 | HQAM | 1 | 3 | 23.21 | 23.40 | 23.35 | 24.5 | 1 |
| 1.4 | HQAM | 1 | 5 | 23.30 | 23.39 | 23.32 | | |
| 1.4 | HQAM | 3 | 0 | 23.72 | 23.76 | 23.70 | | |
| 1.4 | HQAM | 3 | 1 | 23.66 | 23.57 | 23.64 | | |
| 1.4 | HQAM | 3 | 3 | 23.62 | 23.67 | 23.63 | | |
| 1.4 | HQAM | 8 | 0 | 22.24 | 22.46 | 22.36 | 23.5 | 2 |
| 1.4 | HQAM | 1 | 0 | 22.28 | 22.36 | 22.26 | | |
| 1.4 | HQAM | 1 | 3 | 22.29 | 22.36 | 22.28 | | |
| 1.4 | HQAM | 1 | 5 | 22.28 | 22.38 | 22.23 | 23.5 | 2 |
| 1.4 | HQAM | 3 | 0 | 22.46 | 22.60 | 22.44 | | |
| 1.4 | HQAM | 3 | 1 | 22.41 | 22.61 | 22.45 | | |
| 1.4 | HQAM | 3 | 3 | 22.39 | 22.60 | 22.34 | | |
| 1.4 | HQAM | 8 | 0 | 21.26 | 21.34 | 21.29 | 22.5 | 3 |
| 1.4 | ZSSBAM | 1 | 0 | 19.32 | 19.48 | 19.47 | | |
| 1.4 | ZSSBAM | 1 | 3 | 19.28 | 19.40 | 19.37 | | |
| 1.4 | ZSSBAM | 1 | 5 | 19.35 | 19.46 | 19.29 | 20.5 | 5 |
| 1.4 | ZSSBAM | 3 | 0 | 19.30 | 19.34 | 19.27 | | |
| 1.4 | ZSSBAM | 3 | 1 | 19.17 | 19.35 | 19.11 | | |
| 1.4 | ZSSBAM | 3 | 3 | 19.29 | 19.33 | 19.21 | 20.5 | 5 |
| 1.4 | ZSSBAM | 8 | 0 | 19.31 | 19.42 | 19.30 | | |



| Band 13 Main PA Ant0 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|--------------------|----------|--|
| BM [MHz] | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power Mid Ch / Freq | Turn-up limit (dB) | MPE (dB) | |
| Channel | | | | | | | | | |
| 782 | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.64 | | | 25.5 | 0 | |
| 15 | QPSK | 1 | 49 | 24.52 | | | | | |
| 10 | QPSK | 25 | 0 | 23.98 | | | 24.5 | 1 | |
| 15 | QPSK | 25 | 12 | 23.86 | | | | | |
| 10 | QPSK | 25 | 25 | 23.77 | | | | | |
| 10 | QPSK | 50 | 0 | 23.90 | | | | | |
| 15 | HQAM | 1 | 25 | 23.81 | | | 24.5 | 1 | |
| 10 | HQAM | 1 | 49 | 23.78 | | | | | |
| 15 | HQAM | 25 | 0 | 23.77 | | | | | |
| 10 | HQAM | 25 | 12 | 23.92 | | | 23.5 | 2 | |
| 10 | HQAM | 25 | 25 | 22.71 | | | | | |
| 15 | HQAM | 50 | 0 | 22.88 | | | | | |
| 10 | HQAM | 1 | 0 | 23.68 | | | 23.5 | 2 | |
| 10 | HQAM | 1 | 25 | 22.99 | | | | | |
| 10 | HQAM | 1 | 49 | 23.94 | | | | | |
| 10 | HQAM | 25 | 0 | 21.80 | | | | | |
| 10 | HQAM | 25 | 12 | 21.89 | | | 22.5 | 3 | |
| 10 | HQAM | 25 | 25 | 21.81 | | | | | |
| 10 | HQAM | 50 | 0 | 21.80 | | | | | |
| 10 | HQAM | 1 | 0 | 19.89 | | | | | |
| 10 | HQAM | 1 | 25 | 19.92 | | | 20.5 | 5 | |
| 10 | HQAM | 1 | 49 | 19.83 | | | | | |
| 10 | HQAM | 25 | 0 | 19.89 | | | | | |
| 10 | HQAM | 25 | 12 | 19.91 | | | 20.5 | 5 | |
| 10 | HQAM | 25 | 25 | 19.72 | | | | | |
| 10 | HQAM | 50 | 0 | 19.82 | | | | | |
| Channel | | | | | | | | | |
| 2325 | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.31 | 24.39 | 24.24 | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.31 | 24.45 | 24.40 | | | |
| 5 | QPSK | 1 | 24 | 24.26 | 24.38 | 24.33 | | | |
| 5 | QPSK | 12 | 0 | 23.74 | 23.87 | 23.78 | | | |
| 5 | QPSK | 12 | 7 | 23.69 | 23.77 | 23.70 | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.58 | 23.68 | 23.64 | | | |
| 5 | QPSK | 25 | 0 | 23.69 | 23.78 | 23.73 | | | |
| 5 | HQAM | 1 | 0 | 23.70 | 23.82 | 23.69 | | | |
| 5 | HQAM | 1 | 12 | 23.64 | 23.72 | 23.60 | 24.5 | 1 | |
| 5 | HQAM | 1 | 24 | 23.58 | 23.74 | 23.63 | | | |
| 5 | HQAM | 12 | 0 | 22.88 | 22.71 | 22.82 | | | |
| 5 | HQAM | 12 | 7 | 22.73 | 22.82 | 22.76 | 23.5 | 2 | |
| 5 | HQAM | 12 | 13 | 22.54 | 22.61 | 22.58 | | | |
| 5 | HQAM | 25 | 0 | 22.70 | 22.82 | 22.76 | | | |
| 5 | HQAM | 1 | 0 | 23.00 | 23.04 | 22.93 | 23.5 | 2 | |
| 5 | HQAM | 1 | 12 | 22.85 | 22.98 | 22.87 | | | |
| 5 | HQAM | 1 | 24 | 22.72 | 22.85 | 22.77 | | | |
| 5 | HQAM | 12 | 0 | 21.42 | 21.47 | 21.54 | | | |
| 5 | HQAM | 12 | 7 | 21.58 | 21.74 | 21.63 | 22.5 | 3 | |
| 5 | HQAM | 12 | 13 | 21.45 | 21.52 | 21.43 | | | |
| 5 | HQAM | 25 | 0 | 21.78 | 21.74 | 21.63 | | | |
| 5 | HQAM | 1 | 0 | 19.78 | 19.83 | 19.69 | | | |
| 5 | HQAM | 1 | 12 | 19.90 | 19.98 | 19.85 | 20.5 | 5 | |
| 5 | HQAM | 1 | 24 | 19.79 | 19.81 | 19.74 | | | |
| 5 | HQAM | 12 | 0 | 19.54 | 19.61 | 19.59 | | | |
| 5 | HQAM | 12 | 7 | 19.59 | 19.80 | 19.68 | 20.5 | 5 | |
| 5 | HQAM | 12 | 13 | 19.55 | 19.64 | 19.67 | | | |
| 5 | HQAM | 25 | 0 | 19.60 | 19.74 | 19.63 | | | |

| Band 26 Main PA Ant0 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|--------------------|----------|--|
| BM [MHz] | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power Mid Ch / Freq | Turn-up limit (dB) | MPE (dB) | |
| Channel | | | | | | | | | |
| 811.5 | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 24.52 | 24.58 | 24.48 | | | |
| 15 | QPSK | 1 | 37 | 24.45 | 24.51 | 24.45 | 25.5 | 0 | |
| 15 | QPSK | 1 | 74 | 24.41 | 24.53 | 24.47 | | | |
| 15 | QPSK | 36 | 0 | 23.48 | 23.63 | 23.52 | | | |
| 15 | QPSK | 36 | 20 | 23.42 | 23.55 | 23.50 | 24.5 | 1 | |
| 15 | QPSK | 36 | 39 | 23.52 | 23.60 | 23.51 | | | |
| 15 | QPSK | 75 | 0 | 23.54 | 23.57 | 23.47 | | | |
| 15 | HQAM | 1 | 0 | 23.68 | 23.66 | 23.45 | | | |
| 15 | HQAM | 1 | 37 | 23.38 | 23.51 | 23.37 | 24.5 | 1 | |
| 15 | HQAM | 1 | 74 | 23.42 | 23.54 | 23.47 | | | |
| 15 | HQAM | 36 | 0 | 22.62 | 22.47 | 22.62 | | | |
| 15 | HQAM | 36 | 20 | 22.48 | 22.85 | 22.52 | | | |
| 15 | HQAM | 36 | 39 | 22.63 | 22.97 | 22.43 | | | |
| 15 | HQAM | 75 | 0 | 22.59 | 22.54 | 22.40 | 23.5 | 2 | |
| 15 | HQAM | 1 | 0 | 22.59 | 22.70 | 22.59 | | | |
| 15 | HQAM | 1 | 37 | 22.63 | 22.68 | 22.54 | 23.5 | 2 | |
| 15 | HQAM | 1 | 74 | 22.83 | 22.85 | 22.66 | | | |
| 15 | HQAM | 36 | 0 | 21.25 | 21.37 | 21.34 | | | |
| 15 | HQAM | 36 | 20 | 21.41 | 21.50 | 21.40 | 22.5 | 3 | |
| 15 | HQAM | 36 | 39 | 21.45 | 21.52 | 21.43 | | | |
| 15 | HQAM | 75 | 0 | 21.41 | 21.54 | 21.43 | | | |
| 15 | HQAM | 1 | 0 | 19.48 | 19.45 | 19.26 | | | |
| 15 | HQAM | 1 | 37 | 19.42 | 19.57 | 19.49 | 20.5 | 5 | |
| 15 | HQAM | 1 | 74 | 19.60 | 19.74 | 19.69 | | | |
| 15 | HQAM | 36 | 0 | 19.42 | 19.42 | 19.28 | | | |
| 15 | HQAM | 36 | 20 | 19.48 | 19.52 | 19.43 | 20.5 | 5 | |
| 15 | HQAM | 36 | 39 | 19.46 | 19.55 | 19.50 | | | |
| 15 | HQAM | 75 | 0 | 19.38 | 19.51 | 19.43 | | | |
| Channel | | | | | | | | | |
| 26740 | | | | | | | | | |
| 813 | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.42 | 24.44 | 24.36 | | | |
| 10 | QPSK | 1 | 25 | 24.59 | 24.46 | 24.31 | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.28 | 24.42 | 24.42 | | | |
| 10 | QPSK | 25 | 0 | 23.43 | 23.52 | 23.46 | | | |
| 10 | QPSK | 25 | 12 | 23.49 | 23.45 | 23.46 | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.48 | 23.48 | 23.47 | | | |
| 10 | QPSK | 50 | 0 | 23.42 | 23.49 | 23.42 | | | |
| 10 | HQAM | 1 | 0 | 23.41 | 23.49 | 23.38 | | | |
| 10 | HQAM | 1 | 25 | 23.33 | 23.47 | 23.31 | 24.5 | 1 | |
| 10 | HQAM | 1 | 49 | 23.37 | 23.51 | 23.34 | | | |
| 10 | HQAM | 25 | 0 | 22.36 | 22.35 | 22.38 | | | |
| 10 | HQAM | 25 | 12 | 22.35 | 22.36 | 22.42 | 23.5 | 2 | |
| 10 | HQAM | 25 | 25 | 22.34 | 22.35 | 22.36 | | | |
| 10 | HQAM | 50 | 0 | 22.36 | 22.46 | 22.38 | | | |
| 10 | HQAM | 1 | 0 | 22.51 | 22.58 | 22.52 | | | |
| 10 | HQAM | 1 | 25 | 22.59 | 22.63 | 22.46 | 23.5 | 2 | |
| 10 | HQAM | 1 | 49 | 22.53 | 22.91 | 22.54 | | | |
| 10 | HQAM | 25 | 0 | 21.18 | 21.31 | 21.25 | | | |
| 10 | HQAM | 25 | 12 | 21.32 | 21.53 | 21.39 | 22.5 | 3 | |
| 10 | HQAM | 25 | 25 | 21.52 | 21.38 | 21.34 | | | |
| 10 | HQAM | 50 | 0 | 21.34 | 21.50 | 21.33 | | | |
| 10 | HQAM | 1 | 0 | 19.45 | 19.43 | 19.26 | | | |
| 10 | HQAM | 1 | 25 | 19.52 | 19.42 | 19.42 | 20.5 | 5 | |
| 10 | HQAM | 1 | 49 | 19.54 | 19.65 | 19.56 | | | |
| 10 | HQAM | 25 | 0 | 19.28 | 19.39 | 19.32 | | | |
| 10 | HQAM | 25 | 12 | 19.43 | 19.41 | 19.29 | 20.5 | 5 | |
| 10 | HQAM | 25 | 25 | 19.39 | 19.48 | 19.38 | | | |
| 10 | HQAM | 50 | 0 | 19.35 | 19.40 | 19.35 | | | |
| Channel | | | | | | | | | |
| 26716 | | | | | | | | | |
| 815.5 | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.44 | 24.49 | 24.38 | | | |
| 5 | QPSK | 1 | 12 | 24.32 | 24.38 | 24.25 | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.34 | 24.45 | 24.39 | | | |
| 5 | QPSK | 12 | 0 | 23.46 | 23.57 | 23.45 | | | |
| 5 | QPSK | 12 | 7 | 23.29 | 23.48 | 23.43 | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.48 | 23.53 | 23.38 | | | |
| 5 | QPSK | 25 | 0 | 23.42 | 23.47 | 23.35 | | | |
| 5 | HQAM | 1 | 0 | 23.41 | 23.44 | 23.33 | 24.5 | 1 | |
| 5 | HQAM | 1 | 12 | 23.21 | 23.44 | 23.22 | | | |
| 5 | HQAM | 1 | 24 | 23.37 | 23.45 | 23.34 | | | |
| 5 | HQAM | 12 | 0 | 22.34 | 22.44 | 22.34 | | | |
| 5 | HQAM | 12 | 7 | 22.36 | 22.35 | 22.42 | 23.5 | 2 | |
| 5 | HQAM | 12 | 13 | 22.47 | 22.40 | 22.38 | | | |
| 5 | HQAM | 25 | 0 | 22.38 | 22.39 | 22.45 | | | |
| 5 | HQAM | 1 | 0 | 22.54 | 22.59 | 22.53 | 23.5 | 2 | |
| 5 | HQAM | 1 | 12 | 22.58 | 22.54 | 22.48 | | | |
| 5 | HQAM | 1 | 24 | 22.62 | 22.89 | 22.78 | | | |
| 5 | HQAM | 12 | 0 | 21.20 | 21.30 | 21.21 | | | |
| 5 | HQAM | 12 | 7 | 21.21 | 21.43 | 21.13 | 22.5 | 3 | |
| 5 | HQAM | 12 | 13 | 21.38 | 21.42 | 21.37 | | | |
| 5 | HQAM | 25 | 0 | 21.27 | 21.49 | 21.39 | | | |
| 5 | HQAM | 1 | 0 | 19.45 | 19.61 | 19.45 | | | |
| 5 | HQAM | 1 | 12 | 19.29 | 19.53 | 19.35 | 20.5 | 5 | |
| 5 | HQAM | 1 | 24 | 19.54 | 19.66 | 19.55 | | | |
| 5 | HQAM | 12 | 0 | 19.24 | 19.31 | 19.20 | | | |
| 5 | HQAM | 12 | 7 | 19.38 | 19.41 | 19.37 | 20.5 | 5 | |
| 5 | HQAM | 12 | 13 | 19.35 | 19.42 | 19.43 | | | |
| 5 | HQAM | | | | | | | | |



| GSM850 Ant1 Default | | | | | | | | |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 33.50 | 23.02 | 23.11 | 23.02 | 24.50 |
| GSM 1 Tx slot | 32.02 | 32.11 | 32.02 | 33.50 | 23.02 | 23.11 | 23.02 | 24.50 |
| GPRS 1 Tx slot | 32.05 | 32.16 | 32.08 | 33.50 | 23.05 | 23.16 | 23.08 | 24.50 |
| GPRS 2 Tx slots | 29.21 | 29.24 | 29.17 | 30.50 | 23.21 | 23.24 | 23.17 | 24.50 |
| GPRS 3 Tx slots | 27.40 | 27.44 | 27.34 | 28.50 | 23.14 | 23.18 | 23.08 | 24.24 |
| GPRS 4 Tx slots | 25.97 | 26.07 | 26.00 | 27.50 | 22.97 | 23.07 | 23.00 | 24.50 |
| EDGE 1 Tx slot | 26.21 | 26.25 | 26.11 | 27.50 | 17.21 | 17.25 | 17.11 | 18.50 |
| EDGE 2 Tx slots | 23.24 | 23.29 | 23.16 | 24.50 | 17.24 | 17.29 | 17.16 | 18.50 |
| EDGE 3 Tx slots | 21.40 | 21.53 | 21.48 | 22.70 | 17.14 | 17.27 | 17.22 | 18.44 |
| EDGE 4 Tx slots | 20.15 | 20.28 | 20.24 | 21.50 | 17.15 | 17.28 | 17.24 | 18.50 |

| GSM1900 Ant1 Default | | | | | | | | |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 30.00 | 1850.2 | 1880 | 1909.8 | 21.00 |
| GSM 1 Tx slot | 28.13 | 28.19 | 28.15 | 30.00 | 19.13 | 19.19 | 19.15 | 21.00 |
| GPRS 1 Tx slot | 28.16 | 28.24 | 28.22 | 30.00 | 19.16 | 19.24 | 19.22 | 21.00 |
| GPRS 2 Tx slots | 26.27 | 26.31 | 26.25 | 27.00 | 19.27 | 19.31 | 19.25 | 21.00 |
| GPRS 3 Tx slots | 23.88 | 23.96 | 23.87 | 25.20 | 19.62 | 19.70 | 19.61 | 20.94 |
| GPRS 4 Tx slots | 22.35 | 22.47 | 22.37 | 24.00 | 19.35 | 19.47 | 19.37 | 21.00 |
| EDGE 1 Tx slot | 24.79 | 24.88 | 24.82 | 26.00 | 15.79 | 15.88 | 15.82 | 17.00 |
| EDGE 2 Tx slots | 21.97 | 22.07 | 21.93 | 23.00 | 15.97 | 16.07 | 15.93 | 17.00 |
| EDGE 3 Tx slots | 19.90 | 20.03 | 19.89 | 21.20 | 15.64 | 15.77 | 15.63 | 16.94 |
| EDGE 4 Tx slots | 19.20 | 19.26 | 19.21 | 20.00 | 16.20 | 16.26 | 16.21 | 17.00 |

| Band | WCDMA II Ant1 Default | | | | WCDMA IV Ant1 Default | | | | WCDMA V Ant1 Default | | | | Tune-up Limit (dBm) |
|------------------------------------|-----------------------|-------|--------|---------------------------|-----------------------|--------|-------|---------------------------|----------------------|-------|-------|---------------------------|---------------------------|
| | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) | WCDMA V | | | | |
| TX Channel | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | | 4132 | 4182 | 4233 | Tune-up Limit (dBm) | |
| Rx Channel | 9662 | 9800 | 9938 | 1637 | 1638 | 1738 | 4357 | 4407 | 4458 | | | | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | 826.4 | 836.4 | 846.6 | | | | |
| 3GPP Rel 99 AMR 12.2kbps | 22.02 | 22.09 | 22.01 | 24.00 | 22.02 | 22.12 | 22.07 | 24.00 | 23.22 | 23.32 | 23.29 | 25.00 | |
| 3GPP Rel 99 RMC 12.2kbps | 22.05 | 22.12 | 22.03 | 24.00 | 22.10 | 22.19 | 22.13 | 24.00 | 23.27 | 23.36 | 23.35 | 25.00 | |
| 3GPP Rel 6 HSDPA Subtest-1 | 21.06 | 21.14 | 21.06 | 23.00 | 21.15 | 21.23 | 21.20 | 23.00 | 22.36 | 22.34 | 22.35 | 24.00 | |
| 3GPP Rel 6 HSDPA Subtest-2 | 21.01 | 21.11 | 21.03 | 23.00 | 21.06 | 21.09 | 21.06 | 23.00 | 22.23 | 22.35 | 22.31 | 24.00 | |
| 3GPP Rel 6 HSDPA Subtest-3 | 20.56 | 20.60 | 20.60 | 22.50 | 20.60 | 20.69 | 20.65 | 22.50 | 21.76 | 21.84 | 21.88 | 23.50 | |
| 3GPP Rel 6 HSDPA Subtest-4 | 20.53 | 20.59 | 20.57 | 22.50 | 20.50 | 20.61 | 20.55 | 22.50 | 21.72 | 21.85 | 21.83 | 23.50 | |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 21.03 | 21.05 | 21.03 | 23.00 | 21.04 | 21.16 | 21.09 | 23.00 | 22.28 | 22.31 | 22.34 | 24.00 | |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 21.03 | 21.02 | 21.03 | 23.00 | 21.16 | 21.13 | 21.02 | 23.00 | 22.17 | 22.29 | 22.19 | 24.00 | |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 20.52 | 20.55 | 20.58 | 22.50 | 20.56 | 20.59 | 20.52 | 22.50 | 21.73 | 21.81 | 21.86 | 23.50 | |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 20.56 | 20.69 | 20.59 | 22.50 | 20.56 | 20.60 | 20.54 | 22.50 | 21.65 | 21.82 | 21.72 | 23.50 | |
| 3GPP Rel 6 HSUPA Subtest-1 | 21.12 | 21.03 | 21.01 | 23.00 | 21.01 | 21.10 | 21.01 | 23.00 | 22.15 | 22.22 | 22.19 | 24.00 | |
| 3GPP Rel 6 HSUPA Subtest-2 | 19.07 | 19.06 | 19.08 | 21.00 | 19.11 | 19.16 | 19.05 | 21.00 | 20.24 | 20.38 | 20.35 | 22.00 | |
| 3GPP Rel 6 HSUPA Subtest-3 | 20.11 | 20.14 | 20.18 | 22.00 | 20.13 | 20.24 | 20.24 | 22.00 | 21.39 | 21.45 | 21.43 | 23.00 | |
| 3GPP Rel 6 HSUPA Subtest-4 | 19.02 | 19.00 | 19.03 | 21.00 | 19.06 | 19.03 | 19.07 | 21.00 | 20.20 | 20.24 | 20.26 | 22.00 | |
| 3GPP Rel 6 HSUPA Subtest-5 | 21.01 | 21.01 | 21.07 | 23.00 | 21.05 | 21.11 | 21.04 | 23.00 | 22.14 | 22.33 | 22.18 | 24.00 | |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 18.63 | 18.75 | 18.58 | 20.50 | 18.62 | 18.70 | 18.63 | 20.50 | 19.78 | 20.00 | 19.84 | 21.50 | |



| Band 4 Main PA Ant1 | | | | | | | | | | |
|---------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.96 | 22.97 | 22.98 | | | | |
| 20 | QPSK | 1 | 49 | 22.96 | 22.97 | 22.98 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 22.74 | 22.88 | 22.76 | | | | |
| 20 | QPSK | 50 | 0 | 21.75 | 21.85 | 21.73 | | | | |
| 20 | QPSK | 50 | 24 | 21.65 | 21.74 | 21.73 | 23.5 | 1 | | |
| 20 | QPSK | 50 | 50 | 21.84 | 21.74 | 21.59 | | | | |
| 20 | QPSK | 100 | 0 | 21.72 | 21.83 | 21.68 | | | | |
| 20 | 16QAM | 0 | 0 | 21.80 | 21.87 | 21.82 | | | | |
| 20 | 16QAM | 1 | 49 | 21.71 | 21.81 | 21.77 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 21.72 | 21.77 | 21.68 | | | | |
| 20 | 16QAM | 50 | 0 | 20.80 | 20.84 | 20.73 | | | | |
| 20 | 16QAM | 50 | 24 | 20.71 | 20.78 | 20.87 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 50 | 20.69 | 20.80 | 20.69 | | | | |
| 20 | 16QAM | 100 | 0 | 20.65 | 20.74 | 20.61 | | | | |
| 20 | 64QAM | 1 | 0 | 20.82 | 20.86 | 20.71 | | | | |
| 20 | 64QAM | 1 | 49 | 20.76 | 20.80 | 20.76 | 22.5 | 2 | | |
| 20 | 64QAM | 50 | 0 | 19.84 | 19.79 | 19.67 | | | | |
| 20 | 64QAM | 50 | 24 | 19.58 | 19.70 | 19.58 | | | | |
| 20 | 64QAM | 50 | 50 | 19.72 | 19.78 | 19.68 | 21.5 | 3 | | |
| 20 | 64QAM | 100 | 0 | 19.52 | 19.67 | 19.58 | | | | |
| 20 | 256QAM | 1 | 49 | 17.80 | 17.68 | 17.56 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 17.67 | 17.63 | 17.54 | | | | |
| 20 | 256QAM | 50 | 0 | 17.66 | 17.71 | 17.67 | | | | |
| 20 | 256QAM | 50 | 24 | 17.54 | 17.63 | 17.52 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 17.66 | 17.69 | 17.66 | | | | |
| 20 | 256QAM | 100 | 0 | 17.52 | 17.61 | 17.57 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.86 | 22.82 | 22.78 | | | | |
| 15 | QPSK | 1 | 37 | 22.79 | 22.86 | 22.82 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 22.65 | 22.76 | 22.62 | | | | |
| 15 | QPSK | 36 | 0 | 21.72 | 21.71 | 21.67 | | | | |
| 15 | QPSK | 36 | 25 | 21.56 | 21.65 | 21.69 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 39 | 21.57 | 21.64 | 21.64 | | | | |
| 15 | QPSK | 75 | 0 | 21.59 | 21.78 | 21.58 | | | | |
| 15 | 16QAM | 1 | 0 | 21.66 | 21.86 | 21.73 | | | | |
| 15 | 16QAM | 1 | 37 | 21.60 | 21.72 | 21.72 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 74 | 21.56 | 21.67 | 21.61 | | | | |
| 15 | 16QAM | 36 | 0 | 20.68 | 20.67 | 20.69 | | | | |
| 15 | 16QAM | 36 | 25 | 20.65 | 20.70 | 20.83 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 20.68 | 20.71 | 20.89 | | | | |
| 15 | 16QAM | 75 | 0 | 20.61 | 20.70 | 20.58 | | | | |
| 15 | 64QAM | 1 | 0 | 20.70 | 20.81 | 20.50 | | | | |
| 15 | 64QAM | 1 | 37 | 20.65 | 20.76 | 20.61 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 20.60 | 20.65 | 20.51 | | | | |
| 15 | 64QAM | 36 | 0 | 19.55 | 19.68 | 19.62 | | | | |
| 15 | 64QAM | 36 | 25 | 19.66 | 19.73 | 19.84 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 39 | 19.63 | 19.71 | 19.81 | | | | |
| 15 | 64QAM | 75 | 0 | 19.66 | 19.65 | 19.54 | | | | |
| 15 | 256QAM | 1 | 37 | 17.70 | 17.72 | 17.61 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 74 | 17.64 | 17.67 | 17.63 | | | | |
| 15 | 256QAM | 1 | 111 | 17.63 | 17.66 | 17.61 | | | | |
| 15 | 256QAM | 36 | 0 | 17.61 | 17.62 | 17.59 | | | | |
| 15 | 256QAM | 36 | 25 | 17.58 | 17.58 | 17.52 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 17.71 | 17.70 | 17.63 | | | | |
| 15 | 256QAM | 75 | 0 | 17.56 | 17.52 | 17.56 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.60 | 22.66 | 22.65 | | | | |
| 10 | QPSK | 1 | 25 | 22.77 | 22.88 | 22.75 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 22.64 | 22.81 | 22.66 | | | | |
| 10 | QPSK | 25 | 0 | 21.54 | 21.64 | 21.53 | | | | |
| 10 | QPSK | 25 | 12 | 21.54 | 21.73 | 21.67 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 21.54 | 21.66 | 21.53 | | | | |
| 10 | 16QAM | 1 | 0 | 21.72 | 21.72 | 21.72 | | | | |
| 10 | 16QAM | 1 | 24 | 21.64 | 21.68 | 21.71 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 21.60 | 21.67 | 21.67 | | | | |
| 10 | 16QAM | 25 | 0 | 20.66 | 20.80 | 20.69 | | | | |
| 10 | 16QAM | 25 | 12 | 20.66 | 20.68 | 20.63 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 20.65 | 20.70 | 20.83 | | | | |
| 10 | 16QAM | 50 | 0 | 20.61 | 20.68 | 20.59 | | | | |
| 10 | 64QAM | 1 | 0 | 20.71 | 20.73 | 20.68 | | | | |
| 10 | 64QAM | 1 | 24 | 20.72 | 20.82 | 20.67 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 20.61 | 20.70 | 20.56 | | | | |
| 10 | 64QAM | 25 | 0 | 19.59 | 19.70 | 19.64 | | | | |
| 10 | 64QAM | 25 | 12 | 19.60 | 19.66 | 19.85 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 19.60 | 19.61 | 19.63 | | | | |
| 10 | 64QAM | 50 | 0 | 19.53 | 19.63 | 19.59 | | | | |
| 10 | 256QAM | 1 | 24 | 17.71 | 17.66 | 17.61 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 17.68 | 17.62 | 17.60 | | | | |
| 10 | 256QAM | 12 | 0 | 17.65 | 17.66 | 17.60 | | | | |
| 10 | 256QAM | 12 | 12 | 17.56 | 17.61 | 17.63 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 0 | 17.67 | 17.64 | 17.63 | | | | |
| 10 | 256QAM | 50 | 0 | 17.51 | 17.71 | 17.58 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.85 | 22.81 | 22.85 | | | | |
| 5 | QPSK | 1 | 12 | 22.79 | 22.87 | 22.85 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 22.67 | 22.83 | 22.72 | | | | |
| 5 | QPSK | 12 | 0 | 21.66 | 21.66 | 21.66 | | | | |
| 5 | QPSK | 12 | 7 | 21.58 | 21.64 | 21.67 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 21.63 | 21.60 | 21.62 | | | | |
| 5 | QPSK | 25 | 0 | 21.67 | 21.67 | 21.67 | | | | |
| 5 | 16QAM | 1 | 0 | 21.74 | 21.79 | 21.74 | | | | |
| 5 | 16QAM | 1 | 12 | 21.60 | 21.72 | 21.74 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 21.67 | 21.65 | 21.65 | | | | |
| 5 | 16QAM | 12 | 0 | 20.65 | 20.81 | 20.86 | | | | |
| 5 | 16QAM | 12 | 7 | 20.63 | 20.71 | 20.56 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 20.64 | 20.70 | 20.83 | | | | |
| 5 | 16QAM | 25 | 0 | 20.57 | 20.61 | 20.67 | | | | |
| 5 | 64QAM | 1 | 0 | 20.72 | 20.72 | 20.59 | | | | |
| 5 | 64QAM | 1 | 12 | 20.69 | 20.71 | 20.65 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 20.57 | 20.64 | 20.66 | | | | |
| 5 | 64QAM | 12 | 0 | 19.50 | 19.65 | 19.58 | | | | |
| 5 | 64QAM | 12 | 7 | 19.53 | 19.62 | 19.60 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 19.64 | 19.64 | 19.56 | | | | |
| 5 | 64QAM | 25 | 0 | 19.57 | 19.65 | 19.62 | | | | |
| 5 | 256QAM | 1 | 0 | 17.65 | 17.77 | 17.60 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 17.64 | 17.73 | 17.61 | | | | |
| 5 | 256QAM | 1 | 24 | 17.56 | 17.60 | 17.57 | | | | |
| 5 | 256QAM | 12 | 0 | 17.65 | 17.66 | 17.60 | | | | |
| 5 | 256QAM | 12 | 7 | 17.60 | 17.63 | 17.63 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 17.69 | 17.75 | 17.65 | | | | |
| 5 | 256QAM | 25 | 0 | 17.55 | 17.66 | 17.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 22.92 | 22.92 | 22.92 | | | | |
| 3 | QPSK | 1 | 8 | 22.73 | 22.81 | 22.76 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 22.63 | 22.77 | 22.69 | | | | |
| 3 | QPSK | 8 | 0 | 21.65 | 21.65 | 21.63 | | | | |
| 3 | QPSK | 8 | 4 | 21.60 | 21.71 | 21.69 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 21.60 | 21.71 | 21.58 | | | | |
| 3 | QPSK | 15 | 0 | 21.66 | 21.66 | 21.63 | | | | |
| 3 | 16QAM | 1 | 0 | 21.75 | 21.82 | 21.70 | | | | |
| 3 | 16QAM | 1 | 8 | 21.62 | 21.74 | 21.68 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 14 | 21.68 | 21.72 | 21.67 | | | | |
| 3 | 16QAM | 8 | 0 | 20.73 | 20.77 | 20.64 | | | | |
| 3 | 16QAM | 8 | 4 | 20.60 | 20.63 | 20.63 | 22.5 | 2 | | |
| 3 | 16QAM | 8 | 7 | 20.64 | 20.71 | 20.83 | | | | |
| 3 | 16QAM | 15 | 0 | 20.52 | 20.56 | 20.56 | | | | |
| 3 | 64QAM | 1 | 0 | 20.73 | 20.79 | 20.66 | | | | |
| 3 | 64QAM | 1 | 8 | 20.66 | 20.66 | 20.71 | 22.5 | 2 | | |
| 3 | 64QAM | 1 | 14 | 20.51 | 20.62 | 20.64 | | | | |
| 3 | 64QAM | 8 | 0 | 19.68 | 19.79 | 19.79 | | | | |
| 3 | 64QAM | 8 | 4 | 19.62 | 19.79 | | | | | |



| Band 13 Main PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.60 | 23.60 | 23.60 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.65 | 23.65 | 23.65 | | | | |
| 10 | QPSK | 1 | 49 | 23.85 | 23.85 | 23.85 | | | | |
| 10 | QPSK | 25 | 0 | 23.60 | 23.60 | 23.60 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.85 | 23.85 | 23.85 | | | | |
| 10 | QPSK | 25 | 25 | 23.79 | 23.79 | 23.79 | | | | |
| 10 | QPSK | 50 | 0 | 23.60 | 23.60 | 23.60 | 24.5 | 1 | | |
| 10 | QPSK | 50 | 25 | 23.85 | 23.85 | 23.85 | | | | |
| 10 | 16QAM | 1 | 25 | 22.79 | 22.79 | 22.79 | | | | |
| 10 | 16QAM | 1 | 49 | 22.75 | 22.75 | 22.75 | | | | |
| 10 | 16QAM | 1 | 73 | 21.89 | 21.89 | 21.89 | | | | |
| 10 | 16QAM | 25 | 12 | 21.81 | 21.81 | 21.81 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 21.85 | 21.85 | 21.85 | | | | |
| 10 | 16QAM | 50 | 0 | 21.79 | 21.79 | 21.79 | | | | |
| 10 | 16QAM | 1 | 0 | 22.07 | 22.07 | 22.07 | | | | |
| 10 | 64QAM | 1 | 25 | 22.01 | 22.01 | 22.01 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.97 | 21.97 | 21.97 | | | | |
| 10 | 64QAM | 25 | 0 | 20.87 | 20.87 | 20.87 | | | | |
| 10 | 64QAM | 25 | 12 | 20.76 | 20.76 | 20.76 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.83 | 20.83 | 20.83 | | | | |
| 10 | 64QAM | 50 | 0 | 20.75 | 20.75 | 20.75 | | | | |
| 10 | 256QAM | 1 | 0 | 18.94 | 18.94 | 18.94 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.91 | 18.91 | 18.91 | | | | |
| 10 | 256QAM | 1 | 49 | 18.88 | 18.88 | 18.88 | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.88 | 18.88 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.78 | 18.78 | 18.78 | | | | |
| 10 | 256QAM | 25 | 25 | 18.84 | 18.84 | 18.84 | | | | |
| 10 | 256QAM | 50 | 0 | 18.81 | 18.81 | 18.81 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.84 | 23.80 | 23.88 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.87 | 23.87 | 23.80 | | | | |
| 5 | QPSK | 1 | 24 | 23.78 | 23.80 | 23.77 | | | | |
| 5 | QPSK | 12 | 0 | 22.87 | 22.78 | 22.89 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.72 | 22.70 | 22.73 | | | | |
| 5 | QPSK | 12 | 13 | 22.73 | 22.72 | 22.66 | | | | |
| 5 | QPSK | 25 | 0 | 22.84 | 22.74 | 22.78 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.74 | 22.71 | 22.78 | | | | |
| 5 | 16QAM | 1 | 12 | 22.65 | 22.71 | 22.72 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.64 | 22.69 | 22.71 | | | | |
| 5 | 16QAM | 12 | 0 | 21.78 | 21.84 | 21.78 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.69 | 21.68 | 21.74 | | | | |
| 5 | 16QAM | 25 | 0 | 21.69 | 21.69 | 21.64 | | | | |
| 5 | 64QAM | 1 | 0 | 21.65 | 21.65 | 21.66 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.67 | 21.67 | 21.64 | | | | |
| 5 | 64QAM | 1 | 24 | 21.94 | 21.82 | 21.83 | | | | |
| 5 | 64QAM | 12 | 0 | 20.74 | 20.74 | 20.78 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.67 | 20.63 | 20.65 | | | | |
| 5 | 64QAM | 12 | 13 | 20.76 | 20.73 | 20.70 | | | | |
| 5 | 64QAM | 25 | 0 | 20.68 | 20.64 | 20.60 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 0 | 18.84 | 18.81 | 18.84 | | | | |
| 5 | 256QAM | 1 | 12 | 18.77 | 18.87 | 18.82 | | | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.72 | 18.78 | | | | |
| 5 | 256QAM | 12 | 0 | 18.74 | 18.76 | 18.84 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.72 | 18.73 | 18.84 | | | | |
| 5 | 256QAM | 12 | 13 | 18.69 | 18.76 | 18.79 | | | | |
| 5 | 256QAM | 25 | 0 | 18.71 | 18.70 | 18.68 | | | | |

| Band 26 Main PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.70 | 23.77 | 23.66 | 25.5 | 0 | | |
| 15 | QPSK | 1 | 31 | 23.81 | 23.84 | 23.82 | | | | |
| 15 | QPSK | 1 | 74 | 23.81 | 23.84 | 23.82 | | | | |
| 15 | QPSK | 36 | 0 | 22.62 | 22.74 | 22.66 | 24.5 | 1 | | |
| 15 | QPSK | 36 | 25 | 22.63 | 22.63 | 22.64 | | | | |
| 15 | QPSK | 36 | 39 | 22.54 | 22.63 | 22.58 | | | | |
| 15 | QPSK | 75 | 0 | 22.60 | 22.67 | 22.60 | 24.5 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.66 | 22.61 | 22.72 | | | | |
| 15 | 16QAM | 1 | 37 | 22.81 | 22.75 | 22.83 | 24.5 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.67 | 22.71 | 22.60 | | | | |
| 15 | 16QAM | 36 | 0 | 22.63 | 22.76 | 22.62 | 23.5 | 2 | | |
| 15 | 16QAM | 36 | 20 | 21.83 | 21.68 | 21.58 | | | | |
| 15 | 16QAM | 36 | 39 | 21.88 | 21.72 | 21.89 | | | | |
| 15 | 16QAM | 75 | 0 | 21.84 | 21.69 | 21.88 | 23.5 | 2 | | |
| 15 | 64QAM | 1 | 0 | 21.82 | 21.92 | 21.84 | | | | |
| 15 | 64QAM | 1 | 37 | 21.78 | 21.86 | 21.80 | 23.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.73 | 21.82 | 21.81 | | | | |
| 15 | 64QAM | 36 | 0 | 20.84 | 20.89 | 20.79 | 22.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.74 | 20.89 | 20.72 | | | | |
| 15 | 64QAM | 36 | 39 | 20.72 | 20.66 | 20.70 | | | | |
| 15 | 64QAM | 75 | 0 | 20.69 | 20.77 | 20.67 | 20.5 | 5 | | |
| 15 | 256QAM | 1 | 0 | 18.81 | 18.78 | 18.83 | | | | |
| 15 | 256QAM | 1 | 37 | 18.58 | 18.72 | 18.84 | 20.5 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.64 | 18.67 | 18.60 | | | | |
| 15 | 256QAM | 36 | 0 | 18.54 | 18.62 | 18.53 | 20.5 | 5 | | |
| 15 | 256QAM | 36 | 20 | 18.54 | 18.58 | 18.51 | | | | |
| 15 | 256QAM | 36 | 39 | 18.60 | 18.62 | 18.55 | | | | |
| 15 | 256QAM | 75 | 0 | 18.61 | 18.63 | 18.56 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.60 | 23.74 | 23.62 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.68 | 23.64 | 23.64 | | | | |
| 10 | QPSK | 1 | 49 | 23.55 | 23.70 | 23.56 | | | | |
| 10 | QPSK | 25 | 0 | 22.63 | 22.67 | 22.70 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 22.59 | 22.58 | 22.63 | | | | |
| 10 | QPSK | 25 | 25 | 22.58 | 22.58 | 22.58 | | | | |
| 10 | QPSK | 50 | 0 | 22.66 | 22.66 | 22.66 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.74 | 22.81 | 22.70 | | | | |
| 10 | 16QAM | 1 | 25 | 22.59 | 22.81 | 22.82 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.65 | 22.76 | 22.66 | | | | |
| 10 | 16QAM | 25 | 0 | 21.61 | 21.62 | 21.58 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.67 | 21.65 | 21.53 | | | | |
| 10 | 16QAM | 25 | 25 | 21.57 | 21.63 | 21.55 | | | | |
| 10 | 16QAM | 50 | 0 | 21.72 | 21.77 | 21.80 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 0 | 21.65 | 21.72 | 21.67 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 24 | 21.63 | 21.75 | 21.59 | | | | |
| 10 | 64QAM | 25 | 0 | 20.71 | 20.76 | 20.68 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 20.66 | 20.69 | 20.65 | | | | |
| 10 | 64QAM | 25 | 25 | 20.58 | 20.50 | 20.51 | | | | |
| 10 | 64QAM | 50 | 0 | 20.56 | 20.68 | 20.63 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 0 | 18.57 | 18.70 | 18.61 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.57 | 18.70 | 18.61 | | | | |
| 10 | 256QAM | 1 | 49 | 18.61 | 18.70 | 18.57 | | | | |
| 10 | 256QAM | 25 | 0 | 18.54 | 18.50 | 18.57 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.54 | 18.50 | 18.57 | | | | |
| 10 | 256QAM | 25 | 25 | 18.58 | 18.61 | 18.54 | | | | |
| 10 | 256QAM | 50 | 0 | 18.71 | 18.65 | 18.62 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.72 | 23.65 | 23.63 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.59 | 23.63 | 23.55 | | | | |
| 5 | QPSK | 1 | 24 | 23.55 | 23.65 | 23.52 | | | | |
| 5 | QPSK | 1 | 48 | 22.80 | 22.84 | 22.80 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 0 | 22.53 | 22.74 | 22.54 | | | | |
| 5 | QPSK | 12 | 13 | 22.56 | 22.62 | 22.58 | | | | |
| 5 | QPSK | 25 | 0 | 22.65 | 22.65 | 22.65 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.64 | 22.78 | 22.79 | | | | |
| 5 | 16QAM | 1 | 12 | 22.59 | 22.76 | 22.67 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.61 | 22.74 | 22.65 | | | | |
| 5 | 16QAM | 12 | 0 | 21.69 | 21.77 | 21.64 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.66 | 21.69 | 21.51 | | | | |
| 5 | 16QAM | 12 | 13 | 21.67 | 21.71 | 21.63 | | | | |
| 5 | 16QAM | 25 | 0 | 21.54 | 21.68 | 21.62 | 23.5 | | | |



| Band 42 FCC Par27Q Main PA Ant1 | | | | | | | | | | |
|---------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | 42190 | 42690 | 42990 | | | | |
| Frequency (MHz) | | | | 3473 | 3500 | 3543 | | | | |
| 20 | QPSK | 1 | 0 | 23.40 | 23.35 | 23.30 | | | | |
| 20 | QPSK | 1 | 49 | 23.38 | 23.41 | 23.30 | | 25 | 0 | |
| 20 | QPSK | 1 | 99 | 23.35 | 23.38 | 23.28 | | | | |
| 20 | QPSK | 50 | 0 | 22.30 | 22.41 | 22.31 | | | | |
| 20 | QPSK | 50 | 24 | 22.26 | 22.38 | 22.36 | | 24 | 1 | |
| 20 | QPSK | 100 | 0 | 22.24 | 22.28 | 22.18 | | | | |
| 20 | QPSK | 100 | 0 | 22.30 | 22.36 | 22.31 | | | | |
| 20 | 16QAM | 1 | 0 | 22.27 | 22.31 | 22.17 | | | | |
| 20 | 16QAM | 1 | 49 | 22.18 | 22.28 | 22.18 | | 24 | 1 | |
| 20 | 16QAM | 1 | 99 | 22.13 | 22.24 | 22.20 | | | | |
| 20 | 16QAM | 50 | 0 | 21.28 | 21.37 | 21.26 | | | | |
| 20 | 16QAM | 50 | 24 | 21.22 | 21.28 | 21.21 | | | | |
| 20 | 16QAM | 50 | 50 | 21.22 | 21.28 | 21.20 | | 23 | 2 | |
| 20 | 16QAM | 100 | 0 | 21.22 | 21.28 | 21.18 | | | | |
| 20 | 16QAM | 100 | 0 | 21.14 | 21.22 | 21.15 | | | | |
| 20 | 16QAM | 1 | 49 | 21.88 | 21.16 | 21.11 | | 23 | 2 | |
| 20 | 16QAM | 1 | 99 | 21.10 | 21.15 | 21.10 | | | | |
| 20 | 16QAM | 50 | 0 | 20.28 | 20.37 | 20.22 | | | | |
| 20 | 16QAM | 50 | 24 | 20.16 | 20.27 | 20.24 | | | | |
| 20 | 16QAM | 50 | 50 | 20.27 | 20.31 | 20.16 | | 22 | 3 | |
| 20 | 16QAM | 100 | 0 | 20.17 | 20.23 | 20.19 | | | | |
| 20 | 256QAM | 1 | 0 | 18.18 | 18.27 | 18.22 | | | | |
| 20 | 256QAM | 1 | 49 | 18.20 | 18.23 | 18.21 | | 20 | 5 | |
| 20 | 256QAM | 1 | 99 | 18.21 | 18.26 | 18.17 | | | | |
| 20 | 256QAM | 50 | 0 | 18.20 | 18.26 | 18.14 | | | | |
| 20 | 256QAM | 50 | 24 | 18.11 | 18.21 | 18.20 | | | | |
| 20 | 256QAM | 50 | 50 | 18.19 | 18.24 | 18.12 | | 20 | 5 | |
| 20 | 256QAM | 100 | 0 | 18.23 | 18.27 | 18.21 | | | | |
| Channel | | | | 43165 | 43665 | 43915 | | | | |
| Frequency (MHz) | | | | 36123 | 36700 | 36243 | | | | |
| 15 | QPSK | 1 | 0 | 23.23 | 23.33 | 23.20 | | | | |
| 15 | QPSK | 1 | 37 | 23.31 | 23.26 | 23.18 | | 25 | 0 | |
| 15 | QPSK | 1 | 74 | 23.28 | 23.29 | 23.18 | | | | |
| 15 | QPSK | 36 | 0 | 22.17 | 22.29 | 22.26 | | | | |
| 15 | QPSK | 36 | 20 | 22.11 | 22.22 | 22.23 | | 24 | 1 | |
| 15 | QPSK | 75 | 0 | 22.22 | 22.32 | 22.23 | | | | |
| 15 | 16QAM | 1 | 0 | 22.23 | 22.20 | 22.07 | | | | |
| 15 | 16QAM | 1 | 37 | 22.14 | 22.21 | 22.10 | | 24 | 1 | |
| 15 | 16QAM | 1 | 74 | 22.00 | 22.10 | 22.13 | | | | |
| 15 | 16QAM | 36 | 0 | 21.17 | 21.33 | 21.23 | | | | |
| 15 | 16QAM | 36 | 20 | 21.05 | 21.11 | 21.10 | | 23 | 2 | |
| 15 | 16QAM | 36 | 39 | 21.08 | 21.19 | 21.15 | | | | |
| 15 | 16QAM | 75 | 0 | 21.21 | 21.18 | 21.10 | | | | |
| 15 | 16QAM | 75 | 0 | 21.05 | 21.11 | 21.10 | | | | |
| 15 | 16QAM | 1 | 37 | 21.10 | 21.13 | 21.07 | | 23 | 2 | |
| 15 | 16QAM | 1 | 74 | 21.04 | 21.16 | 21.10 | | | | |
| 15 | 16QAM | 36 | 0 | 20.15 | 20.20 | 20.15 | | | | |
| 15 | 16QAM | 36 | 20 | 20.05 | 20.15 | 20.19 | | 22 | 3 | |
| 15 | 16QAM | 36 | 39 | 20.17 | 20.26 | 20.24 | | | | |
| 15 | 16QAM | 75 | 0 | 20.13 | 20.15 | 20.04 | | | | |
| 15 | 256QAM | 1 | 0 | 18.13 | 18.24 | 18.08 | | | | |
| 15 | 256QAM | 1 | 37 | 18.16 | 18.24 | 18.15 | | 20 | 5 | |
| 15 | 256QAM | 1 | 74 | 18.18 | 18.20 | 18.02 | | | | |
| 15 | 256QAM | 36 | 0 | 18.09 | 18.26 | 18.21 | | | | |
| 15 | 256QAM | 36 | 20 | 18.01 | 18.09 | 18.08 | | 20 | 5 | |
| 15 | 256QAM | 36 | 39 | 18.07 | 18.16 | 18.10 | | | | |
| 15 | 256QAM | 75 | 0 | 18.16 | 18.16 | 18.00 | | | | |
| Channel | | | | 44165 | 44665 | 45000 | | | | |
| Frequency (MHz) | | | | 38123 | 38700 | 38443 | | | | |
| 10 | QPSK | 1 | 0 | 23.40 | 23.40 | 23.30 | | | | |
| 10 | QPSK | 1 | 25 | 23.26 | 23.33 | 23.21 | | 25 | 0 | |
| 10 | QPSK | 1 | 49 | 23.25 | 23.28 | 23.22 | | | | |
| 10 | QPSK | 12 | 0 | 22.15 | 22.26 | 22.22 | | | | |
| 10 | QPSK | 25 | 12 | 22.11 | 22.27 | 22.26 | | 24 | 1 | |
| 10 | QPSK | 25 | 25 | 22.17 | 22.24 | 22.10 | | | | |
| 10 | QPSK | 1 | 0 | 22.22 | 22.22 | 22.28 | | | | |
| 10 | 16QAM | 1 | 0 | 22.15 | 22.22 | 22.08 | | | | |
| 10 | 16QAM | 1 | 25 | 22.06 | 22.16 | 22.06 | | 24 | 1 | |
| 10 | 16QAM | 1 | 49 | 22.08 | 22.18 | 22.12 | | | | |
| 10 | 16QAM | 25 | 0 | 21.16 | 21.30 | 21.12 | | | | |
| 10 | 16QAM | 25 | 12 | 21.12 | 21.21 | 21.14 | | | | |
| 10 | 16QAM | 25 | 25 | 21.17 | 21.23 | 21.15 | | 23 | 2 | |
| 10 | 16QAM | 1 | 0 | 21.04 | 21.11 | 21.00 | | | | |
| 10 | 16QAM | 1 | 25 | 21.08 | 21.14 | 21.03 | | 23 | 2 | |
| 10 | 16QAM | 1 | 49 | 21.02 | 21.11 | 21.02 | | | | |
| 10 | 16QAM | 25 | 0 | 20.15 | 20.28 | 20.13 | | | | |
| 10 | 16QAM | 25 | 12 | 20.02 | 20.19 | 20.11 | | 22 | 3 | |
| 10 | 16QAM | 25 | 25 | 20.12 | 20.23 | 20.07 | | | | |
| 10 | 16QAM | 50 | 0 | 20.03 | 20.17 | 20.05 | | | | |
| 10 | 256QAM | 1 | 0 | 18.03 | 18.12 | 18.08 | | | | |
| 10 | 256QAM | 1 | 25 | 18.09 | 18.26 | 18.06 | | 20 | 5 | |
| 10 | 256QAM | 1 | 49 | 18.14 | 18.19 | 18.06 | | | | |
| 10 | 256QAM | 25 | 0 | 18.14 | 18.25 | 18.05 | | | | |
| 10 | 256QAM | 25 | 12 | 18.00 | 18.11 | 18.05 | | | | |
| 10 | 256QAM | 25 | 25 | 18.16 | 18.14 | 18.01 | | 20 | 5 | |
| 10 | 256QAM | 50 | 0 | 18.14 | 18.12 | 18.07 | | | | |
| Channel | | | | 45115 | 45615 | 45945 | | | | |
| Frequency (MHz) | | | | 39123 | 39700 | 39443 | | | | |
| 5 | QPSK | 1 | 0 | 23.37 | 23.38 | 23.32 | | | | |
| 5 | QPSK | 1 | 12 | 23.02 | 23.33 | 23.24 | | 25 | 0 | |
| 5 | QPSK | 1 | 24 | 23.27 | 23.30 | 23.15 | | | | |
| 5 | QPSK | 12 | 0 | 22.25 | 22.34 | 22.20 | | | | |
| 5 | QPSK | 12 | 7 | 22.18 | 22.24 | 22.24 | | 24 | 1 | |
| 5 | QPSK | 12 | 13 | 22.18 | 22.28 | 22.12 | | | | |
| 5 | QPSK | 1 | 0 | 22.21 | 22.24 | 22.24 | | | | |
| 5 | 16QAM | 1 | 0 | 22.23 | 22.18 | 22.07 | | | | |
| 5 | 16QAM | 1 | 12 | 22.09 | 22.16 | 22.04 | | 24 | 1 | |
| 5 | 16QAM | 1 | 24 | 22.05 | 22.16 | 22.11 | | | | |
| 5 | 16QAM | 12 | 0 | 21.24 | 21.28 | 21.19 | | | | |
| 5 | 16QAM | 12 | 7 | 21.15 | 21.17 | 21.14 | | 23 | 2 | |
| 5 | 16QAM | 12 | 13 | 21.18 | 21.24 | 21.11 | | | | |
| 5 | 16QAM | 25 | 0 | 21.16 | 21.25 | 21.15 | | | | |
| 5 | 16QAM | 1 | 0 | 21.11 | 21.14 | 21.08 | | | | |
| 5 | 16QAM | 1 | 12 | 21.08 | 21.12 | 21.00 | | 23 | 2 | |
| 5 | 16QAM | 1 | 24 | 21.07 | 21.03 | 21.06 | | | | |
| 5 | 16QAM | 12 | 0 | 20.12 | 20.29 | 20.11 | | | | |
| 5 | 16QAM | 12 | 7 | 20.02 | 20.18 | 20.10 | | 22 | 3 | |
| 5 | 16QAM | 12 | 13 | 20.12 | 20.19 | 20.09 | | | | |
| 5 | 16QAM | 25 | 0 | 20.06 | 20.15 | 20.07 | | | | |
| 5 | 256QAM | 1 | 0 | 18.06 | 18.23 | 18.18 | | | | |
| 5 | 256QAM | 1 | 12 | 18.12 | 18.29 | 18.08 | | 20 | 5 | |
| 5 | 256QAM | 1 | 24 | 18.06 | 18.16 | 18.03 | | | | |
| 5 | 256QAM | 12 | 0 | 18.11 | 18.21 | 18.10 | | | | |
| 5 | 256QAM | 12 | 7 | 18.00 | 18.13 | 18.00 | | | | |
| 5 | 256QAM | 12 | 13 | 18.15 | 18.17 | 18.02 | | 20 | 5 | |
| 5 | 256QAM | 25 | 0 | 18.08 | 18.14 | 18.01 | | | | |

| Band 48 FCC Main PA Ant1 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | 56590 | 56890 | 56150 | | | | |
| Frequency (MHz) | | | | 3966 | 3944 | 3944 | | | | |
| 20 | QPSK | 1 | 0 | 23.54 | 23.43 | 23.43 | | | | |
| 20 | QPSK | 1 | 49 | 23.40 | 23.49 | 23.42 | | 25 | 0 | |
| 20 | QPSK | 1 | 99 | 23.48 | 23.69 | 23.44 | | | | |
| 20 | QPSK | 50 | 0 | 22.30 | 22.51 | 22.47 | | | | |
| 20 | QPSK | 50 | 24 | 22.38 | 22.42 | 22.34 | | 24 | 1 | |
| 20 | QPSK | 100 | 0 | 22.24 | 22.40 | 22.36 | | | | |
| 20 | QPSK | 100 | 0 | 22.40 | 22.40 | 22.38 | | | | |
| 20 | 16QAM | 1 | 0 | 22.36 | 22.47 | 22.38 | | | | |
| 20 | 16QAM | 1 | 49 | 22.27 | 22.40 | 22.32 | | 24 | 1 | |
| 20 | 16QAM | 1 | 99 | 22.21 | 22.32 | 22.19 | | | | |
| 20 | 16QAM | 50 | 0 | 21.26 | 21.37 | 21.42 | | | | |
| 20 | 16QAM | 50 | 24 | 21.30 | 21.37 | 21.28 | | 23 | 2 | |
| 20 | 16QAM | 50 | 50 | 21.36 | 21.40 | 21.26 | | | | |
| 20 | 16QAM | 100 | 0 | 21.20 | 21.28 | 21.26 | | | | |
| 20 | 16QAM | 100 | 0 | 21.20 | 21.25 | 21.15 | | | | |
| 20 | 16QAM | 1 | 49 | 21.20 | 21.31 | 21.25 | | 23 | 2 | |
| 20 | 16QAM | 1 | 99 | 21.15 | 21.23 | 21.00 | | | | |
| 20 | 16QAM | 50 | 0 | 20.38 | 20.50 | 20.37 | | | | |
| 20 | 16QAM | 50 | 24 | 20.23 | 20.36 | 20.27 | | 22 | 3 | |
| 20 | 16QAM | 50 | 50 | 20.38 | 20.45 | 20.33 | | | | |
| 20 | 16QAM | 100 | 0 | 20.28 | 20.38 | 20.24 | | | | |
| 20 | 256QAM | 1 | 0 | 18.20 | 18.32 | 18.22 | | | | |
| 20 | 256QAM | 1 | 49 | 18.26 | 18.47 | 18.44 | | 20 | 5 | |
| 20 | 256QAM | 1 | 99 | 18.37 | 18.42 | 18.36 | | | | |
| 20 | 256QAM | 50 | 0 | 18.21 | 18.29 | 18.26 | | | | |
| 20 | 256QAM | 50 | 24 | 18.21 | 18.30 | 18.23 | | 20 | 5 | |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.32 | 18.17 | | | | |
| 20 | 256QAM | 100 | 0 | 18.34 | 18.44 | 18.31 | | | | |
| Channel | | | | 56515 | 56865 | 56160 | | | | |

| GSM1900 Ant2 Default | | | | | | | | |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 512 | 661 | 910 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 31.00 | 1850.2 | 1880 | 1909.8 | 22.00 |
| GSM 1 Tx slot | 29.89 | 29.95 | 29.93 | 31.00 | 20.89 | 20.95 | 20.93 | 22.00 |
| GPRS 1 Tx slot | 29.92 | 30.01 | 29.95 | 31.00 | 20.92 | 21.01 | 20.95 | 22.00 |
| GPRS 2 Tx slots | 27.08 | 27.11 | 27.03 | 28.00 | 21.08 | 21.11 | 21.03 | 22.00 |
| GPRS 3 Tx slots | 25.21 | 25.34 | 25.26 | 26.20 | 20.95 | 21.08 | 21.00 | 21.94 |
| GPRS 4 Tx slots | 23.92 | 24.02 | 23.90 | 25.00 | 20.82 | 21.02 | 20.90 | 22.00 |
| EDGE 1 Tx slot | 26.15 | 26.26 | 26.18 | 27.00 | 17.15 | 17.26 | 17.18 | 18.00 |
| EDGE 2 Tx slots | 23.36 | 23.44 | 23.35 | 24.00 | 17.36 | 17.44 | 17.35 | 18.00 |
| EDGE 3 Tx slots | 21.53 | 21.56 | 21.50 | 22.20 | 17.27 | 17.30 | 17.24 | 17.94 |
| EDGE 4 Tx slots | 20.54 | 20.68 | 20.60 | 21.00 | 17.54 | 17.68 | 17.60 | 18.00 |

| Band | WCDMA II Ant2 Default | | | Tune-up Limit (dBm) | WCDMA IV Ant2 Default | | | Tune-up Limit (dBm) |
|------------------------------------|-----------------------|-------|--------|---------------------------|-----------------------|--------|--------|---------------------------|
| | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| TX Channel | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| Rx Channel | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | 25.00 | 1712.4 | 1732.6 | 1752.6 | 25.00 |
| 3GPP Rel 99 AMR 12.2kbps | 23.47 | 23.56 | 23.53 | 25.00 | 23.43 | 23.55 | 23.49 | 25.00 |
| 3GPP Rel 99 RMC 12.2kbps | 23.50 | 23.61 | 23.56 | 25.00 | 23.50 | 23.57 | 23.52 | 25.00 |
| 3GPP Rel 6 HSDPA Subtest-1 | 22.48 | 22.69 | 22.63 | 24.00 | 22.52 | 22.58 | 22.59 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-2 | 22.54 | 22.53 | 22.56 | 24.00 | 22.57 | 22.60 | 22.55 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-3 | 22.09 | 22.11 | 22.02 | 23.50 | 22.07 | 22.16 | 22.02 | 23.50 |
| 3GPP Rel 6 HSDPA Subtest-4 | 22.00 | 22.02 | 22.00 | 23.50 | 21.94 | 22.01 | 22.03 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 22.56 | 22.53 | 22.57 | 24.00 | 22.54 | 22.59 | 22.50 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 22.48 | 22.55 | 22.46 | 24.00 | 22.47 | 22.55 | 22.43 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 21.86 | 22.05 | 21.93 | 23.50 | 21.94 | 22.08 | 21.93 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 21.90 | 22.02 | 21.96 | 23.50 | 21.82 | 21.96 | 21.93 | 23.50 |
| 3GPP Rel 6 HSUPA Subtest-1 | 22.34 | 22.47 | 22.30 | 24.00 | 22.41 | 22.49 | 22.50 | 24.00 |
| 3GPP Rel 6 HSUPA Subtest-2 | 20.56 | 20.65 | 20.56 | 22.00 | 20.56 | 20.64 | 20.57 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-3 | 21.62 | 21.71 | 21.68 | 23.00 | 21.82 | 21.63 | 21.60 | 23.00 |
| 3GPP Rel 6 HSUPA Subtest-4 | 20.46 | 20.50 | 20.51 | 22.00 | 20.46 | 20.59 | 20.42 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-5 | 22.39 | 22.60 | 22.42 | 24.00 | 22.40 | 22.59 | 22.45 | 24.00 |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 20.07 | 20.14 | 20.08 | 21.50 | 20.11 | 20.21 | 20.06 | 21.50 |



| Band 2 Main PA Ant2 | | | | | | | | | | |
|---------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------------|----------|----|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./F.Freq. | Power Mid Ch./F.Freq. | Power High Ch./F.Freq. | Time-up limit (sec) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 1860 1860 1900 | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.54 | 23.60 | 23.47 | | | | |
| 20 | QPSK | 1 | 49 | 23.40 | 23.47 | 23.45 | | | 25 | 0 |
| 20 | QPSK | 1 | 99 | 23.40 | 23.47 | 23.45 | | | | |
| 20 | QPSK | 50 | 0 | 23.64 | 23.70 | 23.72 | | | | |
| 20 | QPSK | 50 | 24 | 23.57 | 23.63 | 23.65 | | | 24 | 1 |
| 20 | QPSK | 50 | 50 | 23.52 | 23.66 | 23.59 | | | | |
| 20 | QPSK | 100 | 0 | 23.62 | 23.75 | 23.71 | | | | |
| 20 | 16QAM | 100 | 0 | 23.31 | 23.31 | 23.31 | | | | |
| 20 | 16QAM | 1 | 49 | 22.87 | 22.73 | 22.81 | | | 24 | 1 |
| 20 | 16QAM | 1 | 99 | 22.80 | 22.88 | 22.82 | | | | |
| 20 | 16QAM | 50 | 0 | 21.80 | 21.79 | 21.82 | | | | |
| 20 | 16QAM | 50 | 24 | 21.87 | 21.72 | 21.87 | | | 23 | 2 |
| 20 | 16QAM | 50 | 50 | 21.87 | 21.74 | 21.81 | | | | |
| 20 | 16QAM | 100 | 0 | 21.85 | 21.73 | 21.81 | | | | |
| 20 | 84QAM | 1 | 0 | 21.81 | 21.84 | 21.84 | | | | |
| 20 | 84QAM | 1 | 49 | 21.78 | 21.88 | 21.78 | | | 23 | 2 |
| 20 | 84QAM | 1 | 99 | 21.81 | 21.88 | 21.83 | | | | |
| 20 | 84QAM | 50 | 0 | 20.75 | 20.79 | 20.75 | | | | |
| 20 | 84QAM | 50 | 24 | 20.98 | 20.70 | 20.81 | | | 22 | 3 |
| 20 | 84QAM | 50 | 50 | 20.98 | 20.89 | 20.85 | | | | |
| 20 | 256QAM | 100 | 0 | 20.98 | 20.89 | 20.85 | | | | |
| 20 | 256QAM | 1 | 49 | 18.58 | 18.72 | 18.58 | | | 20 | 5 |
| 20 | 256QAM | 1 | 99 | 18.58 | 18.80 | 18.70 | | | | |
| 20 | 256QAM | 50 | 0 | 18.58 | 18.80 | 18.82 | | | | |
| 20 | 256QAM | 50 | 24 | 18.58 | 18.68 | 18.54 | | | 20 | 5 |
| 20 | 256QAM | 50 | 50 | 18.50 | 18.60 | 18.45 | | | | |
| 20 | 256QAM | 100 | 0 | 18.50 | 18.60 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| 1897.5 1890 1925.5 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.43 | 23.43 | 23.40 | | | | |
| 15 | QPSK | 1 | 37 | 23.36 | 23.42 | 23.30 | | | 25 | 0 |
| 15 | QPSK | 1 | 74 | 23.30 | 23.42 | 23.30 | | | | |
| 15 | QPSK | 36 | 0 | 22.58 | 22.68 | 22.68 | | | | |
| 15 | QPSK | 36 | 29 | 22.48 | 22.68 | 22.48 | | | 24 | 1 |
| 15 | QPSK | 36 | 39 | 22.48 | 22.57 | 22.49 | | | | |
| 15 | QPSK | 75 | 0 | 22.87 | 22.96 | 22.81 | | | | |
| 15 | 16QAM | 1 | 0 | 22.84 | 22.84 | 22.77 | | | | |
| 15 | 16QAM | 1 | 37 | 22.58 | 22.87 | 22.49 | | | 24 | 1 |
| 15 | 16QAM | 1 | 74 | 22.50 | 22.89 | 22.50 | | | | |
| 15 | 16QAM | 36 | 0 | 21.97 | 21.98 | 21.48 | | | | |
| 15 | 16QAM | 36 | 29 | 21.46 | 21.59 | 21.59 | | | 23 | 2 |
| 15 | 16QAM | 36 | 39 | 21.50 | 21.60 | 21.50 | | | | |
| 15 | 16QAM | 75 | 0 | 21.83 | 21.81 | 21.85 | | | | |
| 15 | 84QAM | 1 | 0 | 21.72 | 21.84 | 21.77 | | | | |
| 15 | 84QAM | 1 | 37 | 21.81 | 21.89 | 21.84 | | | 23 | 2 |
| 15 | 84QAM | 1 | 74 | 21.72 | 21.75 | 21.75 | | | | |
| 15 | 84QAM | 36 | 0 | 20.71 | 20.84 | 20.81 | | | | |
| 15 | 84QAM | 36 | 29 | 20.40 | 20.88 | 20.47 | | | 22 | 3 |
| 15 | 84QAM | 36 | 39 | 20.48 | 20.53 | 20.45 | | | | |
| 15 | 84QAM | 75 | 0 | 20.49 | 20.60 | 20.46 | | | | |
| 15 | 256QAM | 100 | 0 | 18.58 | 18.68 | 18.58 | | | | |
| 15 | 256QAM | 1 | 37 | 18.48 | 18.58 | 18.47 | | | 20 | 5 |
| 15 | 256QAM | 1 | 74 | 18.58 | 18.70 | 18.58 | | | | |
| 15 | 256QAM | 36 | 0 | 18.58 | 18.68 | 18.62 | | | | |
| 15 | 256QAM | 36 | 29 | 18.52 | 18.64 | 18.40 | | | 20 | 5 |
| 15 | 256QAM | 36 | 39 | 18.41 | 18.54 | 18.38 | | | | |
| 15 | 256QAM | 75 | 0 | 18.52 | 18.62 | 18.57 | | | | |
| Channel | | | | | | | | | | |
| 1860 1860 1910 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.41 | 23.41 | 23.35 | | | | |
| 10 | QPSK | 1 | 25 | 23.34 | 23.41 | 23.35 | | | 25 | 0 |
| 10 | QPSK | 1 | 49 | 23.29 | 23.42 | 23.31 | | | | |
| 10 | QPSK | 12 | 0 | 22.56 | 22.66 | 22.66 | | | | |
| 10 | QPSK | 12 | 13 | 22.44 | 22.65 | 22.44 | | | 24 | 1 |
| 10 | QPSK | 25 | 0 | 22.48 | 22.53 | 22.47 | | | | |
| 10 | QPSK | 25 | 12 | 22.44 | 22.55 | 22.42 | | | | |
| 10 | QPSK | 25 | 25 | 22.48 | 22.53 | 22.47 | | | | |
| 10 | 16QAM | 1 | 0 | 22.84 | 22.84 | 22.79 | | | | |
| 10 | 16QAM | 1 | 28 | 22.63 | 22.68 | 22.52 | | | 24 | 1 |
| 10 | 16QAM | 1 | 49 | 22.76 | 22.86 | 22.79 | | | | |
| 10 | 16QAM | 25 | 0 | 21.92 | 21.84 | 21.81 | | | | |
| 10 | 16QAM | 25 | 12 | 21.49 | 21.68 | 21.43 | | | 23 | 2 |
| 10 | 16QAM | 25 | 25 | 21.60 | 21.68 | 21.60 | | | | |
| 10 | 16QAM | 50 | 0 | 21.55 | 21.63 | 21.51 | | | | |
| 10 | 84QAM | 1 | 0 | 21.69 | 21.87 | 21.81 | | | | |
| 10 | 84QAM | 1 | 28 | 21.75 | 21.85 | 21.75 | | | 23 | 2 |
| 10 | 84QAM | 1 | 49 | 21.66 | 21.80 | 21.77 | | | | |
| 10 | 84QAM | 25 | 0 | 20.99 | 20.73 | 20.64 | | | | |
| 10 | 84QAM | 25 | 12 | 20.98 | 20.95 | 20.45 | | | 22 | 3 |
| 10 | 84QAM | 25 | 25 | 20.53 | 20.63 | 20.46 | | | | |
| 10 | 84QAM | 50 | 0 | 20.46 | 20.55 | 20.45 | | | | |
| 10 | 256QAM | 100 | 0 | 18.58 | 18.68 | 18.57 | | | | |
| 10 | 256QAM | 1 | 28 | 18.50 | 18.64 | 18.63 | | | 20 | 5 |
| 10 | 256QAM | 1 | 49 | 18.58 | 18.75 | 18.59 | | | | |
| 10 | 256QAM | 12 | 0 | 18.50 | 18.60 | 18.50 | | | | |
| 10 | 256QAM | 12 | 13 | 18.50 | 18.56 | 18.41 | | | 20 | 5 |
| 10 | 256QAM | 25 | 0 | 18.46 | 18.50 | 18.41 | | | | |
| 10 | 256QAM | 25 | 12 | 18.55 | 18.56 | 18.39 | | | | |
| Channel | | | | | | | | | | |
| 1892.5 1890 1927.5 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.41 | 23.41 | 23.35 | | | | |
| 5 | QPSK | 1 | 12 | 23.36 | 23.39 | 23.32 | | | 25 | 0 |
| 5 | QPSK | 1 | 24 | 23.32 | 23.35 | 23.32 | | | | |
| 5 | QPSK | 12 | 0 | 22.56 | 22.66 | 22.66 | | | | |
| 5 | QPSK | 12 | 7 | 22.54 | 22.54 | 22.44 | | | 24 | 1 |
| 5 | QPSK | 12 | 13 | 22.42 | 22.54 | 22.54 | | | | |
| 5 | QPSK | 25 | 0 | 22.48 | 22.53 | 22.47 | | | | |
| 5 | QPSK | 25 | 12 | 22.44 | 22.55 | 22.42 | | | | |
| 5 | 16QAM | 1 | 0 | 22.83 | 22.82 | 22.84 | | | | |
| 5 | 16QAM | 1 | 12 | 22.59 | 22.64 | 22.56 | | | 24 | 1 |
| 5 | 16QAM | 1 | 24 | 22.68 | 22.77 | 22.68 | | | | |
| 5 | 16QAM | 12 | 0 | 21.84 | 21.83 | 21.88 | | | | |
| 5 | 16QAM | 12 | 7 | 21.46 | 21.60 | 21.45 | | | 23 | 2 |
| 5 | 16QAM | 12 | 13 | 21.57 | 21.68 | 21.60 | | | | |
| 5 | 16QAM | 25 | 0 | 21.83 | 21.84 | 21.82 | | | | |
| 5 | 84QAM | 1 | 0 | 21.66 | 21.74 | 21.75 | | | | |
| 5 | 84QAM | 1 | 12 | 21.71 | 21.79 | 21.79 | | | 23 | 2 |
| 5 | 84QAM | 1 | 24 | 21.74 | 21.82 | 21.82 | | | | |
| 5 | 84QAM | 12 | 0 | 20.61 | 20.74 | 20.69 | | | | |
| 5 | 84QAM | 12 | 7 | 20.51 | 20.62 | 20.43 | | | 22 | 3 |
| 5 | 84QAM | 12 | 13 | 20.63 | 20.54 | 20.43 | | | | |
| 5 | 84QAM | 25 | 0 | 20.96 | 20.97 | 20.41 | | | | |
| 5 | 256QAM | 100 | 0 | 18.51 | 18.55 | 18.33 | | | | |
| 5 | 256QAM | 1 | 12 | 18.50 | 18.59 | 18.48 | | | 20 | 5 |
| 5 | 256QAM | 1 | 24 | 18.59 | 18.73 | 18.55 | | | | |
| 5 | 256QAM | 12 | 0 | 18.54 | 18.70 | 18.64 | | | | |
| 5 | 256QAM | 12 | 7 | 18.54 | 18.53 | 18.48 | | | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.38 | 18.54 | 18.52 | | | | |
| 5 | 256QAM | 25 | 0 | 18.46 | 18.56 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| 1861.5 1860 1918.5 | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.47 | 23.55 | 23.35 | | | | |
| 3 | QPSK | 1 | 8 | 23.40 | 23.38 | 23.28 | | | 25 | 0 |
| 3 | QPSK | 1 | 14 | 23.34 | 23.37 | 23.33 | | | | |
| 3 | QPSK | 8 | 0 | 22.57 | 22.62 | 22.68 | | | | |
| 3 | QPSK | 8 | 4 | 22.44 | 22.60 | 22.49 | | | 24 | 1 |
| 3 | QPSK | 8 | 7 | 22.37 | 22.59 | 22.53 | | | | |
| 3 | QPSK | 15 | 0 | 22.59 | 22.69 | 22.64 | | | | |
| 3 | 16QAM | 1 | 0 | 22.83 | 22.88 | 22.78 | | | | |
| 3 | 16QAM | 1 | 8 | 22.63 | 22.61 | 22.46 | | | 24 | 1 |
| 3 | 16QAM | 1 | 14 | 22.73 | 22.78 | 22.72 | | | | |
| 3 | 16QAM | 8 | 0 | 21.46 | 21.68 | 21.49 | | | | |
| 3 | 16QAM | 8 | 4 | 21.42 | 21.58 | 21.47 | | | 23 | 2 |
| 3 | 16QAM | 8 | 7 | 21.81 | 21.84 | 21.68 | | | | |
| 3 | 16QAM | 15 | 0 | 21.52 | 21 | | | | | |



| Band 25 Main PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Turn-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.53 | 23.60 | 23.60 | 25 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.52 | 23.61 | 23.68 | 25 | 0 | | |
| 20 | QPSK | 1 | 99 | 23.45 | 23.51 | 23.46 | 25 | 0 | | |
| 20 | QPSK | 50 | 0 | 22.59 | 22.73 | 22.88 | 24 | 1 | | |
| 20 | QPSK | 50 | 24 | 22.57 | 22.64 | 22.84 | 24 | 1 | | |
| 20 | QPSK | 50 | 50 | 22.84 | 22.70 | 22.84 | 24 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.56 | 22.67 | 22.56 | 24 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.59 | 22.59 | 22.59 | 24 | 1 | | |
| 20 | 16QAM | 1 | 49 | 22.47 | 22.59 | 22.50 | 24 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.59 | 22.63 | 22.57 | 24 | 1 | | |
| 20 | 16QAM | 50 | 0 | 21.70 | 21.82 | 21.77 | 23 | 2 | | |
| 20 | 16QAM | 50 | 24 | 21.56 | 21.85 | 21.54 | 23 | 2 | | |
| 20 | 16QAM | 50 | 50 | 21.86 | 21.73 | 21.87 | 23 | 2 | | |
| 20 | 16QAM | 100 | 0 | 21.62 | 21.69 | 21.59 | 23 | 2 | | |
| 20 | 64QAM | 1 | 0 | 21.79 | 21.84 | 21.78 | 23 | 2 | | |
| 20 | 64QAM | 1 | 49 | 21.84 | 21.76 | 21.70 | 23 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.84 | 21.86 | 21.80 | 23 | 2 | | |
| 20 | 64QAM | 50 | 0 | 20.55 | 20.60 | 20.57 | 22 | 3 | | |
| 20 | 64QAM | 50 | 24 | 20.57 | 20.56 | 20.58 | 22 | 3 | | |
| 20 | 64QAM | 50 | 50 | 20.51 | 20.51 | 20.57 | 22 | 3 | | |
| 20 | 64QAM | 100 | 0 | 20.56 | 20.58 | 20.58 | 22 | 3 | | |
| 20 | 256QAM | 1 | 49 | 18.75 | 18.86 | 18.71 | 20 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.71 | 18.75 | 18.66 | 20 | 5 | | |
| 20 | 256QAM | 50 | 0 | 18.54 | 18.55 | 18.54 | 20 | 5 | | |
| 20 | 256QAM | 50 | 24 | 18.56 | 18.60 | 18.57 | 20 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.60 | 18.68 | 18.61 | 20 | 5 | | |
| 20 | 256QAM | 100 | 0 | 18.63 | 18.63 | 18.63 | 20 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.48 | 23.61 | 23.58 | 25 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.41 | 23.53 | 23.61 | 25 | 0 | | |
| 15 | QPSK | 1 | 74 | 23.35 | 23.46 | 23.39 | 25 | 0 | | |
| 15 | QPSK | 36 | 0 | 22.48 | 22.70 | 22.82 | 24 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.45 | 22.58 | 22.59 | 24 | 1 | | |
| 15 | QPSK | 36 | 36 | 22.59 | 22.62 | 22.67 | 24 | 1 | | |
| 15 | QPSK | 75 | 0 | 22.49 | 22.49 | 22.49 | 24 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.36 | 22.52 | 22.42 | 24 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.41 | 22.49 | 22.42 | 24 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.59 | 22.62 | 22.51 | 24 | 1 | | |
| 15 | 16QAM | 36 | 0 | 21.62 | 21.78 | 21.67 | 23 | 2 | | |
| 15 | 16QAM | 36 | 20 | 21.44 | 21.53 | 21.46 | 23 | 2 | | |
| 15 | 16QAM | 36 | 36 | 21.57 | 21.59 | 21.57 | 23 | 2 | | |
| 15 | 16QAM | 75 | 0 | 21.50 | 21.57 | 21.50 | 23 | 2 | | |
| 15 | 64QAM | 1 | 0 | 21.72 | 21.73 | 21.64 | 23 | 2 | | |
| 15 | 64QAM | 1 | 37 | 21.54 | 21.68 | 21.64 | 23 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.71 | 21.73 | 21.73 | 23 | 2 | | |
| 15 | 64QAM | 36 | 0 | 20.44 | 20.55 | 20.46 | 22 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.49 | 20.49 | 20.49 | 22 | 3 | | |
| 15 | 64QAM | 36 | 36 | 20.47 | 20.57 | 20.59 | 22 | 3 | | |
| 15 | 64QAM | 75 | 0 | 20.43 | 20.61 | 20.43 | 22 | 3 | | |
| 15 | 256QAM | 1 | 0 | 18.64 | 18.72 | 18.67 | 20 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.54 | 18.56 | 18.45 | 20 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.83 | 18.70 | 18.52 | 20 | 5 | | |
| 15 | 256QAM | 36 | 0 | 18.53 | 18.53 | 18.58 | 20 | 5 | | |
| 15 | 256QAM | 36 | 20 | 18.51 | 18.50 | 18.47 | 20 | 5 | | |
| 15 | 256QAM | 36 | 36 | 18.48 | 18.53 | 18.53 | 20 | 5 | | |
| 15 | 256QAM | 75 | 0 | 18.56 | 18.53 | 18.42 | 20 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.43 | 23.53 | 23.43 | 25 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.45 | 23.57 | 23.47 | 25 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.37 | 23.45 | 23.38 | 25 | 0 | | |
| 10 | QPSK | 25 | 0 | 22.47 | 22.58 | 22.48 | 24 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.54 | 22.61 | 22.58 | 24 | 1 | | |
| 10 | QPSK | 25 | 25 | 22.50 | 22.66 | 22.63 | 24 | 1 | | |
| 10 | QPSK | 50 | 0 | 22.36 | 22.52 | 22.48 | 24 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.38 | 22.58 | 22.49 | 24 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.33 | 22.56 | 22.42 | 24 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.53 | 22.62 | 22.51 | 24 | 1 | | |
| 10 | 16QAM | 25 | 0 | 21.58 | 21.78 | 21.63 | 23 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.45 | 21.67 | 21.51 | 23 | 2 | | |
| 10 | 16QAM | 25 | 25 | 21.60 | 21.68 | 21.64 | 23 | 2 | | |
| 10 | 16QAM | 50 | 0 | 21.54 | 21.55 | 21.54 | 23 | 2 | | |
| 10 | 64QAM | 1 | 0 | 21.67 | 21.73 | 21.70 | 23 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.50 | 21.68 | 21.63 | 23 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.81 | 21.83 | 21.72 | 23 | 2 | | |
| 10 | 64QAM | 25 | 0 | 20.47 | 20.59 | 20.46 | 22 | 3 | | |
| 10 | 64QAM | 25 | 12 | 20.45 | 20.45 | 20.48 | 22 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.55 | 20.60 | 20.61 | 22 | 3 | | |
| 10 | 64QAM | 50 | 0 | 20.41 | 20.63 | 20.46 | 22 | 3 | | |
| 10 | 256QAM | 1 | 0 | 18.65 | 18.72 | 18.58 | 20 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.63 | 18.64 | 18.51 | 20 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.67 | 18.62 | 18.51 | 20 | 5 | | |
| 10 | 256QAM | 25 | 0 | 18.51 | 18.52 | 18.57 | 20 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.45 | 18.50 | 18.50 | 20 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.50 | 18.53 | 18.57 | 20 | 5 | | |
| 10 | 256QAM | 50 | 0 | 18.49 | 18.60 | 18.48 | 20 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.43 | 23.53 | 23.43 | 25 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.45 | 23.53 | 23.50 | 25 | 0 | | |
| 5 | QPSK | 1 | 24 | 23.33 | 23.39 | 23.41 | 25 | 0 | | |
| 5 | QPSK | 12 | 0 | 22.50 | 22.54 | 22.62 | 24 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.43 | 22.52 | 22.58 | 24 | 1 | | |
| 5 | QPSK | 12 | 13 | 22.37 | 22.64 | 22.51 | 24 | 1 | | |
| 5 | QPSK | 25 | 0 | 22.48 | 22.54 | 22.50 | 24 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.48 | 22.53 | 22.51 | 24 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.35 | 22.47 | 22.38 | 24 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.50 | 22.56 | 22.51 | 24 | 1 | | |
| 5 | 16QAM | 12 | 0 | 21.60 | 21.73 | 21.62 | 23 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.41 | 21.67 | 21.50 | 23 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.54 | 21.62 | 21.52 | 23 | 2 | | |
| 5 | 64QAM | 1 | 0 | 21.74 | 21.76 | 21.73 | 23 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.59 | 21.69 | 21.61 | 23 | 2 | | |
| 5 | 64QAM | 1 | 24 | 21.77 | 21.80 | 21.74 | 23 | 2 | | |
| 5 | 64QAM | 12 | 0 | 20.52 | 20.62 | 20.48 | 22 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.50 | 20.53 | 20.54 | 22 | 3 | | |
| 5 | 64QAM | 12 | 13 | 20.56 | 20.57 | 20.55 | 22 | 3 | | |
| 5 | 64QAM | 25 | 0 | 20.51 | 20.56 | 20.49 | 22 | 3 | | |
| 5 | 256QAM | 1 | 0 | 18.60 | 18.72 | 18.60 | 20 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.58 | 18.63 | 18.48 | 20 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.60 | 18.66 | 18.57 | 20 | 5 | | |
| 5 | 256QAM | 12 | 0 | 18.54 | 18.55 | 18.58 | 20 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.41 | 18.52 | 18.50 | 20 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.50 | 18.63 | 18.50 | 20 | 5 | | |
| 5 | 256QAM | 25 | 0 | 18.55 | 18.55 | 18.50 | 20 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.43 | 23.53 | 23.43 | 25 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.38 | 23.51 | 23.49 | 25 | 0 | | |
| 3 | QPSK | 1 | 14 | 23.32 | 23.41 | 23.33 | 25 | 0 | | |
| 3 | QPSK | 8 | 0 | 22.46 | 22.49 | 22.64 | 24 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.52 | 22.59 | 22.86 | 24 | 1 | | |
| 3 | QPSK | 8 | 7 | 22.59 | 22.60 | 22.56 | 24 | 1 | | |
| 3 | QPSK | 15 | 0 | 22.53 | 22.59 | 22.51 | 24 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.38 | 22.55 | 22.43 | 24 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.33 | 22.45 | 22.46 | 24 | 1 | | |
| 3 | 16QAM | 1 | 15 | 22.48 | 22.59 | 22.49 | 24 | 1 | | |
| 3 | 16QAM | 8 | 0 | 21.62 | 21.74 | 21.71 | 23 | 2 | | |
| 3 | 16QAM | 8 | 4 | 21.41 | 21.56 | 21.51 | 23 | 2 | | |
| 3 | 16QAM | 8 | 7 | 21.62 | 21.68 | 21.61 | 23 | 2 | | |
| 3 | 64QAM | 1 | 0 | 21.80 | 21.77 | 21.64 | 23 | 2 | | |
| 3 | 64QAM | 1 | 8 | 21.53 | 21.69 | 21.63 | 23 | 2 | | |
| 3 | 64QAM | 1 | 1 | | | | | | | |



| Band 38 Main PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 25.18 | 25.22 | 25.23 | | | | |
| 20 | QPSK | 1 | 49 | 25.08 | 25.18 | 25.09 | | 25.5 | 0 | |
| 20 | QPSK | 50 | 0 | 25.18 | 25.18 | 25.18 | | | | |
| 20 | QPSK | 50 | 24 | 24.17 | 24.27 | 24.21 | | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 24.13 | 24.23 | 24.17 | | 24.5 | 1 | |
| 20 | 16QAM | 1 | 0 | 23.16 | 23.23 | 23.08 | | 23.5 | 1 | |
| 20 | 16QAM | 1 | 49 | 23.09 | 23.14 | 23.00 | | 23.5 | 1 | |
| 20 | 16QAM | 1 | 99 | 23.02 | 23.17 | 23.09 | | 23.5 | 2 | |
| 20 | 16QAM | 50 | 0 | 23.19 | 23.27 | 23.22 | | 23.5 | 2 | |
| 20 | 16QAM | 50 | 24 | 23.17 | 23.22 | 23.11 | | 23.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 23.26 | 23.31 | 23.27 | | 23.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 22.24 | 22.30 | 22.24 | | 23.5 | 2 | |
| 20 | 16QAM | 1 | 49 | 22.81 | 22.81 | 22.84 | | 23.5 | 2 | |
| 20 | 16QAM | 1 | 99 | 22.71 | 22.85 | 22.78 | | 23.5 | 2 | |
| 20 | 16QAM | 50 | 0 | 22.22 | 22.27 | 22.21 | | 23.5 | 2 | |
| 20 | 16QAM | 50 | 24 | 22.28 | 22.22 | 22.28 | | 23.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 22.29 | 22.27 | 22.19 | | 23.5 | 3 | |
| 20 | 16QAM | 100 | 0 | 22.16 | 22.22 | 22.19 | | 23.5 | 3 | |
| 20 | 256QAM | 1 | 0 | 20.26 | 20.30 | 20.24 | | 20.5 | 5 | |
| 20 | 256QAM | 1 | 49 | 20.16 | 20.21 | 20.13 | | 20.5 | 5 | |
| 20 | 256QAM | 1 | 99 | 20.18 | 20.24 | 20.12 | | 20.5 | 5 | |
| 20 | 256QAM | 50 | 0 | 20.14 | 20.20 | 20.16 | | 20.5 | 5 | |
| 20 | 256QAM | 50 | 24 | 20.03 | 20.16 | 20.11 | | 20.5 | 5 | |
| 20 | 256QAM | 100 | 0 | 20.08 | 20.20 | 20.11 | | 20.5 | 5 | |
| 20 | 256QAM | 100 | 0 | 20.09 | 20.13 | 20.08 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.23 | 23.22 | 23.17 | | | | |
| 15 | QPSK | 1 | 37 | 23.05 | 23.11 | 24.85 | | 25.5 | 0 | |
| 15 | QPSK | 1 | 74 | 24.98 | 24.84 | 24.95 | | 25.5 | 0 | |
| 15 | QPSK | 36 | 0 | 24.15 | 24.15 | 24.15 | | 24.5 | 1 | |
| 15 | QPSK | 36 | 20 | 24.04 | 24.20 | 24.11 | | 24.5 | 1 | |
| 15 | 16QAM | 1 | 0 | 23.11 | 23.15 | 22.93 | | 24.5 | 1 | |
| 15 | 16QAM | 1 | 37 | 23.09 | 23.06 | 22.99 | | 24.5 | 1 | |
| 15 | 16QAM | 1 | 74 | 22.92 | 23.06 | 22.99 | | 24.5 | 1 | |
| 15 | 16QAM | 36 | 0 | 23.15 | 23.17 | 23.14 | | 24.5 | 2 | |
| 15 | 16QAM | 36 | 20 | 23.03 | 23.12 | 23.07 | | 24.5 | 2 | |
| 15 | 16QAM | 36 | 39 | 23.18 | 23.18 | 23.22 | | 24.5 | 2 | |
| 15 | 16QAM | 75 | 0 | 23.14 | 23.15 | 23.06 | | 24.5 | 2 | |
| 15 | 16QAM | 1 | 0 | 22.71 | 22.79 | 22.78 | | 24.5 | 2 | |
| 15 | 16QAM | 1 | 37 | 22.72 | 22.82 | 22.78 | | 24.5 | 2 | |
| 15 | 16QAM | 1 | 74 | 22.89 | 22.76 | 22.96 | | 24.5 | 2 | |
| 15 | 16QAM | 36 | 0 | 23.11 | 23.17 | 23.13 | | 24.5 | 3 | |
| 15 | 16QAM | 36 | 20 | 23.04 | 22.14 | 22.09 | | 24.5 | 3 | |
| 15 | 16QAM | 36 | 39 | 23.13 | 23.13 | 23.18 | | 24.5 | 3 | |
| 15 | 16QAM | 75 | 0 | 23.05 | 23.11 | 22.90 | | 24.5 | 3 | |
| 15 | 256QAM | 1 | 0 | 20.21 | 20.22 | 20.12 | | 20.5 | 5 | |
| 15 | 256QAM | 1 | 37 | 20.12 | 20.12 | 20.00 | | 20.5 | 5 | |
| 15 | 256QAM | 1 | 74 | 20.07 | 20.15 | 20.09 | | 20.5 | 5 | |
| 15 | 256QAM | 36 | 0 | 20.04 | 20.19 | 20.11 | | 20.5 | 5 | |
| 15 | 256QAM | 36 | 20 | 19.92 | 20.08 | 20.05 | | 20.5 | 5 | |
| 15 | 256QAM | 36 | 39 | 19.98 | 20.12 | 20.03 | | 20.5 | 5 | |
| 15 | 256QAM | 75 | 0 | 20.03 | 20.07 | 19.98 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 25.06 | 25.11 | 25.13 | | | | |
| 10 | QPSK | 1 | 25 | 25.01 | 25.14 | 25.05 | | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.95 | 25.12 | 25.01 | | 25.5 | 0 | |
| 10 | QPSK | 25 | 0 | 24.15 | 24.22 | 24.18 | | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 24.08 | 24.21 | 24.16 | | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 24.01 | 24.05 | 24.02 | | 24.5 | 1 | |
| 10 | 16QAM | 1 | 0 | 23.08 | 23.14 | 23.04 | | 24.5 | 1 | |
| 10 | 16QAM | 1 | 25 | 22.89 | 23.07 | 22.99 | | 24.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 22.92 | 23.08 | 23.04 | | 24.5 | 1 | |
| 10 | 16QAM | 25 | 0 | 23.09 | 23.13 | 23.13 | | 24.5 | 1 | |
| 10 | 16QAM | 25 | 12 | 23.08 | 23.11 | 23.07 | | 24.5 | 1 | |
| 10 | 16QAM | 25 | 25 | 23.15 | 23.20 | 23.16 | | 24.5 | 1 | |
| 10 | 16QAM | 50 | 0 | 23.14 | 23.22 | 23.18 | | 24.5 | 2 | |
| 10 | 16QAM | 50 | 25 | 23.08 | 23.15 | 23.16 | | 24.5 | 2 | |
| 10 | 16QAM | 1 | 0 | 22.78 | 22.83 | 22.71 | | 24.5 | 2 | |
| 10 | 16QAM | 1 | 25 | 22.77 | 22.78 | 22.76 | | 24.5 | 2 | |
| 10 | 16QAM | 1 | 49 | 22.81 | 22.76 | 22.89 | | 24.5 | 2 | |
| 10 | 16QAM | 25 | 0 | 22.12 | 22.18 | 22.14 | | 24.5 | 2 | |
| 10 | 16QAM | 25 | 12 | 22.02 | 22.13 | 21.96 | | 24.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 22.11 | 22.17 | 22.05 | | 24.5 | 2 | |
| 10 | 16QAM | 50 | 0 | 22.24 | 22.14 | 22.07 | | 24.5 | 2 | |
| 10 | 16QAM | 50 | 0 | 20.20 | 20.18 | 20.11 | | 20.5 | 5 | |
| 10 | 256QAM | 1 | 0 | 20.11 | 20.13 | 20.01 | | 20.5 | 5 | |
| 10 | 256QAM | 1 | 49 | 20.14 | 20.15 | 20.03 | | 20.5 | 5 | |
| 10 | 256QAM | 25 | 0 | 20.04 | 20.17 | 20.10 | | 20.5 | 5 | |
| 10 | 256QAM | 25 | 12 | 19.91 | 20.04 | 19.97 | | 20.5 | 5 | |
| 10 | 256QAM | 25 | 25 | 20.03 | 20.06 | 20.00 | | 20.5 | 5 | |
| 10 | 256QAM | 50 | 0 | 19.98 | 20.09 | 19.91 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 25.05 | 25.19 | 25.13 | | | | |
| 5 | QPSK | 1 | 19 | 24.99 | 25.14 | 24.97 | | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.99 | 25.00 | 25.04 | | 25.5 | 0 | |
| 5 | QPSK | 12 | 0 | 24.19 | 24.26 | 24.14 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 24.04 | 24.19 | 24.11 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 19 | 24.07 | 24.08 | 24.09 | | 24.5 | 1 | |
| 5 | QPSK | 25 | 0 | 23.09 | 23.15 | 23.05 | | 24.5 | 1 | |
| 5 | QPSK | 25 | 0 | 23.10 | 23.12 | 23.00 | | 24.5 | 1 | |
| 5 | 16QAM | 1 | 0 | 22.80 | 23.09 | 22.88 | | 24.5 | 1 | |
| 5 | 16QAM | 1 | 24 | 22.94 | 23.10 | 22.97 | | 24.5 | 1 | |
| 5 | 16QAM | 12 | 0 | 23.12 | 23.17 | 23.12 | | 24.5 | 1 | |
| 5 | 16QAM | 12 | 7 | 23.03 | 23.18 | 23.06 | | 24.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 23.15 | 23.20 | 23.00 | | 24.5 | 2 | |
| 5 | 16QAM | 25 | 0 | 23.15 | 23.12 | 23.04 | | 24.5 | 2 | |
| 5 | 16QAM | 1 | 0 | 22.70 | 22.78 | 22.73 | | 24.5 | 2 | |
| 5 | 16QAM | 1 | 12 | 22.73 | 22.80 | 22.76 | | 24.5 | 2 | |
| 5 | 16QAM | 1 | 24 | 22.86 | 22.82 | 22.70 | | 24.5 | 2 | |
| 5 | 16QAM | 12 | 0 | 22.10 | 22.21 | 22.14 | | 24.5 | 3 | |
| 5 | 16QAM | 12 | 7 | 22.00 | 22.15 | 22.00 | | 24.5 | 3 | |
| 5 | 16QAM | 12 | 13 | 22.18 | 22.18 | 22.06 | | 24.5 | 3 | |
| 5 | 16QAM | 25 | 0 | 22.06 | 22.16 | 22.06 | | 24.5 | 3 | |
| 5 | 256QAM | 1 | 0 | 20.17 | 20.15 | 20.15 | | 20.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 20.16 | 20.16 | 20.03 | | 20.5 | 5 | |
| 5 | 256QAM | 1 | 24 | 20.10 | 20.11 | 20.09 | | 20.5 | 5 | |
| 5 | 256QAM | 12 | 0 | 20.00 | 20.11 | 20.09 | | 20.5 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.92 | 20.03 | 19.97 | | 20.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 20.01 | 20.16 | 20.07 | | 20.5 | 5 | |
| 5 | 256QAM | 25 | 0 | 19.98 | 20.05 | 19.95 | | 20.5 | 5 | |

| Band 41 Main PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------------|---------------------|----------|------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Power High Mod Ch / Freq | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 25.18 | 25.23 | 25.23 | 25.21 | 25.23 | | 26.0 |
| 20 | QPSK | 1 | 49 | 25.04 | 25.20 | 25.24 | 25.25 | 25.12 | | 26.0 |
| 20 | QPSK | 1 | 99 | 25.15 | 25.20 | 25.31 | 25.30 | 25.27 | | 26.0 |
| 20 | QPSK | 50 | 0 | 24.33 | 24.41 | 24.40 | 24.32 | 24.36 | | 24.5 |
| 20 | QPSK | 50 | 24 | 24.29 | 24.27 | 24.43 | 24.38 | 24.29 | | 24.5 |
| 20 | QPSK | 100 | 0 | 24.18 | 24.24 | 24.34 | 24.20 | 24.24 | | 24.5 |
| 20 | QPSK | 100 | 0 | 24.19 | 24.25 | 24.31 | 24.24 | 24.19 | | 24.5 |
| 20 | 16QAM | 1 | 0 | 23.18 | 23.27 | 23.34 | 23.22 | 23.15 | | 24.5 |
| 20 | 16QAM | 1 | 49 | 23.09 | 23.08 | 23.20 | 23.09 | 23.11 | | 24.5 |
| 20 | 16QAM | 1 | 99 | 23.14 | 23.13 | 23.33 | 23.25 | 23.15 | | 24.5 |
| 20 | 16QAM | 50 | 0 | 23.07 | 23.36 | 23.40 | 23.32 | 23.33 | | 24.5 |
| 20 | 16QAM | 50 | 24 | 23.02 | 23.31 | 23.38 | 23.17 | 23.19 | | 24.5 |
| 20 | 16QAM | 100 | 0 | 23.29 | 23.36 | 23.38 | 23.34 | 23.28 | | 23.5 |
| 20 | 16QAM | 100 | 0 | 22.28 | 22.28 | 23.27 | 23.25 | 23.23 | | 23.5 |
| 20 | 16QAM | 1 | 0 | 22.93 | 22.90 | 23.03 | 23.01 | 22.93 | | 23.5 |
| 20 | 16QAM | 1 | 49 | 22.94 | 22.87 | 23.08 | 22.99 | 22.92 | | 23.5 |
| 20 | 16QAM | 1 | 99 | 22.88 | 22.82 | 23.02 | 22.87 | 22.90 | | 23.5 |
| 20 | 16QAM | 50 | 0 | 22.20 | 22.34 | 22.39 | 22.26 | 22.28 | | 23.5 |
| 20 | 16QAM | 50 | 24 | 22.09 | 22.25 | 22.28 | 22.20 | 22.15 | | 23.5 |
| 20 | 16QAM | 100 | 0 | 22.02 | 22.28 | 22.27 | 22.25 | 22.28 | | 23.5 |
| 20 | 16QAM | 100 | 0 | 22.21 | 22.23 | 22.27 | 22.20 | 22.22 | | 23.5 |
| 20 | 256QAM | 1 | 0 | 20.27 | 20.23 | 20.36 | 20.21 | 20.22 | | 20.5 |
| 20 | 256QAM | 1 | 49 | 20.24 | 20.23 | 20.36 | 20.20 | 20.23 | | 20.5 |
| 20 | 256QAM | 1 | 99 | 20.21 | 20.36 | 20.35 | 20.22 | 20.24 | | 20.5 |
| 20 | 256QAM | 50 | 0 | 20.07 | 20.22 | 20.26 | 20.08 | 20.14 | | 20.5 |
| 20 | 256QAM | 50 | 24 | 20.14 | 20.14 | 20.30 | 20.20 | 20.21 | | 20.5 |



| Band 4 Main PA Ant3 | | | | | | | | | | |
|---------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Time-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.52 | 22.61 | 22.67 | | | | |
| 20 | QPSK | 1 | 49 | 22.52 | 22.61 | 22.67 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 22.52 | 22.61 | 22.67 | | | | |
| 20 | QPSK | 50 | 0 | 21.50 | 21.55 | 21.51 | | | | |
| 20 | QPSK | 50 | 24 | 21.51 | 21.51 | 21.51 | 23.5 | 1 | | |
| 20 | QPSK | 50 | 50 | 21.53 | 21.51 | 21.50 | | | | |
| 20 | QPSK | 100 | 0 | 21.50 | 21.57 | 21.52 | | | | |
| 20 | 16QAM | 1 | 0 | 21.51 | 21.61 | 21.58 | | | | |
| 20 | 16QAM | 1 | 49 | 21.53 | 21.55 | 21.59 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 21.54 | 21.51 | 21.53 | | | | |
| 20 | 16QAM | 50 | 0 | 20.74 | 20.75 | 20.75 | | | | |
| 20 | 16QAM | 50 | 24 | 20.69 | 20.73 | 20.67 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 50 | 20.73 | 20.77 | 20.73 | | | | |
| 20 | 16QAM | 100 | 0 | 20.68 | 20.74 | 20.63 | | | | |
| 20 | 64QAM | 1 | 0 | 20.54 | 20.55 | 20.62 | | | | |
| 20 | 64QAM | 1 | 49 | 20.57 | 20.59 | 20.59 | 22.5 | 2 | | |
| 20 | 64QAM | 50 | 0 | 19.59 | 19.59 | 19.51 | | | | |
| 20 | 64QAM | 50 | 24 | 19.58 | 19.57 | 19.57 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 50 | 19.52 | 19.52 | 19.59 | | | | |
| 20 | 256QAM | 1 | 0 | 17.55 | 17.59 | 17.64 | | | | |
| 20 | 256QAM | 1 | 49 | 17.55 | 17.54 | 17.54 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 17.55 | 17.51 | 17.52 | | | | |
| 20 | 256QAM | 50 | 0 | 17.56 | 17.56 | 17.56 | | | | |
| 20 | 256QAM | 50 | 24 | 17.54 | 17.68 | 17.58 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 17.60 | 17.72 | 17.67 | | | | |
| 20 | 256QAM | 100 | 0 | 17.41 | 17.68 | 17.68 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.57 | 22.56 | 22.54 | | | | |
| 15 | QPSK | 1 | 37 | 22.54 | 22.54 | 22.54 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 22.54 | 22.56 | 22.54 | | | | |
| 15 | QPSK | 36 | 0 | 21.53 | 21.58 | 21.62 | | | | |
| 15 | QPSK | 36 | 25 | 21.58 | 21.51 | 21.64 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 39 | 21.50 | 21.59 | 21.54 | | | | |
| 15 | QPSK | 75 | 0 | 21.52 | 21.59 | 21.56 | | | | |
| 15 | 16QAM | 1 | 0 | 21.60 | 21.65 | 21.65 | | | | |
| 15 | 16QAM | 1 | 37 | 21.58 | 21.57 | 21.73 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 74 | 21.56 | 21.61 | 21.61 | | | | |
| 15 | 16QAM | 36 | 0 | 20.79 | 20.84 | 20.72 | | | | |
| 15 | 16QAM | 36 | 25 | 20.75 | 20.80 | 20.70 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 20.82 | 20.85 | 20.81 | | | | |
| 15 | 16QAM | 75 | 0 | 20.84 | 20.84 | 20.79 | | | | |
| 15 | 64QAM | 1 | 0 | 20.58 | 20.58 | 20.50 | | | | |
| 15 | 64QAM | 1 | 37 | 20.59 | 20.59 | 20.51 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 20.54 | 20.55 | 20.50 | | | | |
| 15 | 64QAM | 36 | 0 | 19.59 | 19.63 | 19.68 | | | | |
| 15 | 64QAM | 36 | 25 | 19.63 | 19.58 | 19.64 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 39 | 19.57 | 19.63 | 19.57 | | | | |
| 15 | 64QAM | 75 | 0 | 19.65 | 19.70 | 19.62 | | | | |
| 15 | 256QAM | 1 | 0 | 17.55 | 17.55 | 17.55 | | | | |
| 15 | 256QAM | 1 | 37 | 17.50 | 17.51 | 17.51 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 74 | 17.64 | 17.53 | 17.52 | | | | |
| 15 | 256QAM | 36 | 0 | 17.76 | 17.61 | 17.61 | | | | |
| 15 | 256QAM | 36 | 25 | 17.62 | 17.72 | 17.65 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 17.74 | 17.76 | 17.69 | | | | |
| 15 | 256QAM | 75 | 0 | 17.61 | 17.60 | 17.60 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.43 | 22.43 | 22.43 | | | | |
| 10 | QPSK | 1 | 25 | 22.42 | 22.47 | 22.45 | 24 | 0 | | |
| 10 | QPSK | 1 | 49 | 22.30 | 22.39 | 22.28 | | | | |
| 10 | QPSK | 12 | 0 | 21.76 | 21.87 | 21.81 | | | | |
| 10 | QPSK | 25 | 12 | 21.82 | 21.82 | 21.84 | 23 | 1 | | |
| 10 | QPSK | 25 | 25 | 21.86 | 21.73 | 21.83 | | | | |
| 10 | QPSK | 50 | 0 | 20.84 | 20.82 | 20.82 | | | | |
| 10 | 16QAM | 1 | 0 | 21.74 | 21.71 | 21.68 | | | | |
| 10 | 16QAM | 1 | 25 | 21.52 | 21.68 | 21.58 | 23 | 1 | | |
| 10 | 16QAM | 1 | 50 | 21.53 | 21.59 | 21.52 | | | | |
| 10 | 16QAM | 25 | 12 | 20.47 | 20.63 | 20.48 | 22 | 2 | | |
| 10 | 16QAM | 25 | 25 | 20.56 | 20.69 | 20.57 | | | | |
| 10 | 16QAM | 50 | 0 | 20.49 | 20.63 | 20.50 | | | | |
| 10 | 64QAM | 1 | 0 | 20.39 | 20.47 | 20.37 | | | | |
| 10 | 64QAM | 1 | 25 | 20.31 | 20.43 | 20.27 | 22 | 2 | | |
| 10 | 64QAM | 1 | 49 | 20.25 | 20.42 | 20.32 | | | | |
| 10 | 64QAM | 25 | 0 | 19.66 | 19.65 | 19.59 | | | | |
| 10 | 64QAM | 25 | 12 | 19.61 | 19.62 | 19.67 | 21 | 3 | | |
| 10 | 64QAM | 25 | 25 | 19.48 | 19.62 | 19.50 | | | | |
| 10 | 64QAM | 50 | 0 | 19.40 | 19.55 | 19.43 | | | | |
| 10 | 256QAM | 1 | 0 | 17.70 | 17.75 | 17.64 | | | | |
| 10 | 256QAM | 1 | 25 | 17.72 | 17.82 | 17.68 | 19 | 5 | | |
| 10 | 256QAM | 1 | 49 | 17.63 | 17.86 | 17.65 | | | | |
| 10 | 256QAM | 12 | 0 | 17.79 | 17.75 | 17.64 | | | | |
| 10 | 256QAM | 12 | 12 | 17.43 | 17.59 | 17.58 | 19 | 5 | | |
| 10 | 256QAM | 25 | 0 | 17.68 | 17.70 | 17.64 | | | | |
| 10 | 256QAM | 25 | 0 | 17.67 | 17.61 | 17.58 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.43 | 22.43 | 22.43 | | | | |
| 5 | QPSK | 1 | 12 | 22.40 | 22.44 | 22.43 | 24 | 0 | | |
| 5 | QPSK | 1 | 24 | 22.34 | 22.45 | 22.28 | | | | |
| 5 | QPSK | 12 | 0 | 21.76 | 21.87 | 21.81 | | | | |
| 5 | QPSK | 12 | 7 | 21.72 | 21.83 | 21.83 | 23 | 1 | | |
| 5 | QPSK | 12 | 13 | 21.68 | 21.73 | 21.81 | | | | |
| 5 | QPSK | 25 | 0 | 21.74 | 21.83 | 21.79 | | | | |
| 5 | 16QAM | 1 | 0 | 21.84 | 21.77 | 21.84 | | | | |
| 5 | 16QAM | 1 | 12 | 21.48 | 21.66 | 21.62 | 23 | 1 | | |
| 5 | 16QAM | 1 | 24 | 21.43 | 21.60 | 21.58 | | | | |
| 5 | 16QAM | 12 | 0 | 20.85 | 20.76 | 20.68 | | | | |
| 5 | 16QAM | 12 | 7 | 20.45 | 20.61 | 20.51 | 22 | 2 | | |
| 5 | 16QAM | 12 | 13 | 20.63 | 20.71 | 20.65 | | | | |
| 5 | 16QAM | 25 | 0 | 20.48 | 20.58 | 20.51 | | | | |
| 5 | 64QAM | 1 | 0 | 20.32 | 20.41 | 20.41 | | | | |
| 5 | 64QAM | 1 | 12 | 20.33 | 20.44 | 20.27 | 22 | 2 | | |
| 5 | 64QAM | 1 | 24 | 20.31 | 20.39 | 20.28 | | | | |
| 5 | 64QAM | 12 | 0 | 19.68 | 19.74 | 19.57 | | | | |
| 5 | 64QAM | 12 | 7 | 19.48 | 19.60 | 19.54 | 21 | 3 | | |
| 5 | 64QAM | 12 | 13 | 19.56 | 19.63 | 19.63 | | | | |
| 5 | 64QAM | 25 | 0 | 19.44 | 19.61 | 19.46 | | | | |
| 5 | 256QAM | 1 | 0 | 17.74 | 17.75 | 17.75 | | | | |
| 5 | 256QAM | 1 | 12 | 17.75 | 17.75 | 17.63 | 19 | 5 | | |
| 5 | 256QAM | 1 | 24 | 17.56 | 17.72 | 17.70 | | | | |
| 5 | 256QAM | 12 | 0 | 17.69 | 17.66 | 17.62 | | | | |
| 5 | 256QAM | 12 | 7 | 17.49 | 17.57 | 17.54 | 19 | 5 | | |
| 5 | 256QAM | 12 | 13 | 17.65 | 17.73 | 17.69 | | | | |
| 5 | 256QAM | 25 | 0 | 17.63 | 17.70 | 17.63 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 22.54 | 22.57 | 22.51 | | | | |
| 3 | QPSK | 1 | 8 | 22.57 | 22.57 | 22.56 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 22.54 | 22.54 | 22.55 | | | | |
| 3 | QPSK | 8 | 0 | 21.56 | 21.61 | 21.67 | | | | |
| 3 | QPSK | 8 | 4 | 21.56 | 21.56 | 21.63 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 21.57 | 21.63 | 21.53 | | | | |
| 3 | QPSK | 15 | 0 | 21.59 | 21.65 | 21.65 | | | | |
| 3 | 16QAM | 1 | 0 | 21.58 | 21.74 | 21.58 | | | | |
| 3 | 16QAM | 1 | 8 | 21.58 | 21.54 | 21.66 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 14 | 21.57 | 21.68 | 21.63 | | | | |
| 3 | 16QAM | 8 | 0 | 20.81 | 20.94 | 20.70 | | | | |
| 3 | 16QAM | 8 | 4 | 20.77 | 20.78 | 20.78 | 22.5 | 2 | | |
| 3 | 16QAM | 8 | 7 | 20.67 | 20.68 | 20.70 | | | | |
| 3 | 16QAM | 15 | 0 | 20.73 | 20.73 | 20.64 | | | | |
| 3 | 64QAM | 1 | 0 | 20.64 | 20.66 | 20.74 | | | | |
| 3 | 64QAM | 1 | 8 | 20.59 | 20.55 | 20.58 | 22.5 | 2 | | |
| 3 | 64QAM | 1 | 14 | 20.69 | 20.64 | 20.53 | | | | |
| 3 | 64QAM | 8 | 0 | 19.59 | 19.74 | 19.61 | | | | |



| Band 38 Main PA Ant3 | | | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.94 | 23.12 | 23.30 | 24.5 | 0 | | | | |
| 20 | QPSK | 1 | 49 | 22.80 | 23.04 | 23.24 | | | | | | |
| 20 | QPSK | 50 | 24 | 22.80 | 23.04 | 23.24 | | | | | | |
| 20 | QPSK | 50 | 24 | 22.28 | 22.19 | 22.18 | | | | | | |
| 20 | QPSK | 100 | 0 | 22.07 | 22.17 | 22.07 | | | | | | |
| 20 | 16QAM | 1 | 0 | 22.94 | 23.10 | 23.26 | 23.5 | 1 | | | | |
| 20 | 16QAM | 1 | 49 | 21.95 | 21.97 | 21.99 | | | | | | |
| 20 | 16QAM | 1 | 99 | 21.95 | 22.00 | 21.95 | | | | | | |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.15 | 21.08 | | | | | | |
| 20 | 16QAM | 50 | 24 | 20.94 | 21.07 | 20.98 | | | | | | |
| 20 | 16QAM | 100 | 0 | 21.00 | 21.11 | 21.07 | 22.5 | 2 | | | | |
| 20 | 16QAM | 100 | 0 | 20.73 | 20.85 | 20.74 | | | | | | |
| 20 | 16QAM | 1 | 49 | 20.70 | 20.77 | 20.88 | | | | | | |
| 20 | 16QAM | 1 | 99 | 20.61 | 20.73 | 20.86 | | | | | | |
| 20 | 16QAM | 50 | 24 | 19.95 | 20.08 | 20.02 | | | | | | |
| 20 | 16QAM | 50 | 24 | 19.10 | 19.13 | 19.04 | 21.5 | 3 | | | | |
| 20 | 16QAM | 100 | 0 | 19.94 | 20.05 | 20.02 | | | | | | |
| 20 | 16QAM | 100 | 0 | 19.84 | 20.05 | 20.02 | | | | | | |
| 20 | 16QAM | 1 | 0 | 17.84 | 17.87 | 17.83 | | | | | | |
| 20 | 16QAM | 1 | 49 | 17.84 | 17.84 | 17.79 | | | | | | |
| 20 | 16QAM | 1 | 99 | 17.79 | 17.89 | 17.76 | 19.5 | 5 | | | | |
| 20 | 16QAM | 50 | 24 | 17.80 | 17.89 | 17.83 | | | | | | |
| 20 | 16QAM | 50 | 24 | 17.08 | 17.08 | 17.06 | | | | | | |
| 20 | 16QAM | 50 | 24 | 18.09 | 18.14 | 18.09 | | | | | | |
| 20 | 16QAM | 100 | 0 | 17.76 | 17.84 | 17.84 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.73 | 22.95 | 23.15 | 24.5 | 0 | | | | |
| 15 | QPSK | 1 | 37 | 22.82 | 22.80 | 22.86 | | | | | | |
| 15 | QPSK | 1 | 74 | 22.86 | 22.85 | 22.77 | | | | | | |
| 15 | QPSK | 36 | 20 | 21.94 | 22.06 | 22.12 | | | | | | |
| 15 | QPSK | 36 | 20 | 21.92 | 22.06 | 22.08 | | | | | | |
| 15 | QPSK | 75 | 0 | 22.00 | 22.08 | 21.94 | 23.5 | 1 | | | | |
| 15 | 16QAM | 1 | 0 | 22.21 | 22.26 | 21.88 | | | | | | |
| 15 | 16QAM | 1 | 37 | 21.88 | 21.92 | 21.82 | | | | | | |
| 15 | 16QAM | 1 | 74 | 21.88 | 21.90 | 21.82 | | | | | | |
| 15 | 16QAM | 36 | 0 | 20.95 | 21.08 | 20.94 | | | | | | |
| 15 | 16QAM | 36 | 20 | 20.93 | 20.96 | 20.94 | 22.5 | 2 | | | | |
| 15 | 16QAM | 36 | 39 | 20.91 | 21.06 | 20.96 | | | | | | |
| 15 | 16QAM | 75 | 0 | 20.83 | 20.92 | 20.88 | | | | | | |
| 15 | 16QAM | 75 | 0 | 20.71 | 20.75 | 20.81 | | | | | | |
| 15 | 16QAM | 1 | 37 | 20.58 | 20.68 | 20.80 | | | | | | |
| 15 | 16QAM | 1 | 74 | 20.61 | 20.60 | 20.58 | 21.5 | 3 | | | | |
| 15 | 16QAM | 36 | 0 | 19.96 | 19.92 | 19.92 | | | | | | |
| 15 | 16QAM | 36 | 20 | 19.87 | 20.04 | 19.93 | | | | | | |
| 15 | 16QAM | 36 | 39 | 19.87 | 20.04 | 19.93 | | | | | | |
| 15 | 16QAM | 75 | 0 | 19.94 | 19.94 | 19.90 | | | | | | |
| 15 | 16QAM | 1 | 0 | 17.73 | 17.82 | 17.84 | 19.5 | 5 | | | | |
| 15 | 16QAM | 1 | 37 | 17.73 | 17.82 | 17.84 | | | | | | |
| 15 | 16QAM | 1 | 74 | 17.69 | 17.81 | 17.65 | | | | | | |
| 15 | 16QAM | 36 | 0 | 18.02 | 18.06 | 17.93 | | | | | | |
| 15 | 16QAM | 36 | 20 | 17.90 | 17.99 | 17.92 | | | | | | |
| 15 | 16QAM | 36 | 39 | 18.04 | 18.01 | 18.02 | 19.5 | 5 | | | | |
| 15 | 16QAM | 75 | 0 | 17.82 | 17.96 | 17.82 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.38 | 22.59 | 22.80 | | | | 24.5 | 0 | |
| 10 | QPSK | 1 | 25 | 22.87 | 22.96 | 22.82 | | | | | | |
| 10 | QPSK | 1 | 49 | 22.82 | 22.81 | 22.74 | | | | | | |
| 10 | QPSK | 25 | 12 | 22.04 | 22.12 | 22.08 | | | | | | |
| 10 | QPSK | 25 | 12 | 22.01 | 22.07 | 22.00 | | | | | | |
| 10 | QPSK | 25 | 25 | 22.96 | 22.90 | 22.90 | 23.5 | 1 | | | | |
| 10 | 16QAM | 1 | 0 | 21.96 | 22.05 | 21.96 | | | | | | |
| 10 | 16QAM | 1 | 25 | 21.96 | 21.98 | 21.88 | | | | | | |
| 10 | 16QAM | 1 | 49 | 21.87 | 21.93 | 21.89 | | | | | | |
| 10 | 16QAM | 25 | 0 | 20.95 | 21.08 | 20.96 | | | | | | |
| 10 | 16QAM | 25 | 19 | 20.87 | 20.83 | 20.89 | 22.5 | 2 | | | | |
| 10 | 16QAM | 25 | 19 | 20.85 | 20.97 | 21.00 | | | | | | |
| 10 | 16QAM | 1 | 0 | 20.68 | 20.72 | 20.68 | | | | | | |
| 10 | 16QAM | 1 | 25 | 20.65 | 20.70 | 20.59 | | | | | | |
| 10 | 16QAM | 1 | 49 | 20.57 | 20.62 | 20.62 | | | | | | |
| 10 | 16QAM | 25 | 0 | 19.97 | 20.14 | 19.97 | 21.5 | 3 | | | | |
| 10 | 16QAM | 25 | 12 | 19.91 | 20.00 | 19.98 | | | | | | |
| 10 | 16QAM | 25 | 25 | 20.08 | 20.07 | 19.95 | | | | | | |
| 10 | 16QAM | 1 | 0 | 17.79 | 17.85 | 17.81 | | | | | | |
| 10 | 16QAM | 1 | 25 | 17.73 | 17.82 | 17.73 | | | | | | |
| 10 | 16QAM | 1 | 49 | 17.76 | 17.82 | 17.83 | 19.5 | 5 | | | | |
| 10 | 16QAM | 25 | 0 | 17.59 | 18.05 | 17.93 | | | | | | |
| 10 | 16QAM | 25 | 12 | 17.68 | 18.00 | 17.96 | | | | | | |
| 10 | 16QAM | 25 | 25 | 17.97 | 18.02 | 17.99 | | | | | | |
| 10 | 16QAM | 50 | 0 | 17.88 | 17.87 | 17.82 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.90 | 23.01 | 22.99 | 24.5 | 0 | | | | |
| 5 | QPSK | 1 | 19 | 22.78 | 22.92 | 22.87 | | | | | | |
| 5 | QPSK | 1 | 24 | 22.78 | 22.84 | 22.82 | | | | | | |
| 5 | QPSK | 10 | 0 | 22.02 | 22.14 | 22.09 | | | | | | |
| 5 | QPSK | 10 | 7 | 22.03 | 22.12 | 22.09 | | | | | | |
| 5 | QPSK | 12 | 18 | 22.00 | 22.02 | 21.96 | 23.5 | 1 | | | | |
| 5 | QPSK | 25 | 0 | 21.97 | 22.05 | 21.96 | | | | | | |
| 5 | 16QAM | 1 | 0 | 21.93 | 22.04 | 21.89 | | | | | | |
| 5 | 16QAM | 1 | 12 | 21.84 | 21.95 | 21.90 | | | | | | |
| 5 | 16QAM | 1 | 24 | 21.84 | 21.86 | 21.80 | | | | | | |
| 5 | 16QAM | 12 | 7 | 20.87 | 20.99 | 20.94 | 22.5 | 2 | | | | |
| 5 | 16QAM | 12 | 7 | 20.86 | 20.97 | 20.93 | | | | | | |
| 5 | 16QAM | 25 | 0 | 20.84 | 20.91 | 20.80 | | | | | | |
| 5 | 16QAM | 1 | 0 | 20.89 | 20.74 | 20.88 | | | | | | |
| 5 | 16QAM | 1 | 12 | 20.97 | 20.84 | 20.98 | | | | | | |
| 5 | 16QAM | 1 | 24 | 20.94 | 20.70 | 20.95 | 22.5 | 2 | | | | |
| 5 | 16QAM | 10 | 0 | 19.96 | 20.09 | 19.88 | | | | | | |
| 5 | 16QAM | 10 | 7 | 19.91 | 19.95 | 19.88 | | | | | | |
| 5 | 16QAM | 12 | 13 | 20.07 | 20.10 | 19.91 | | | | | | |
| 5 | 16QAM | 25 | 0 | 19.93 | 19.94 | 19.92 | | | | | | |
| 5 | 16QAM | 1 | 0 | 17.80 | 17.88 | 17.79 | 19.5 | 5 | | | | |
| 5 | 16QAM | 1 | 12 | 17.79 | 17.81 | 17.75 | | | | | | |
| 5 | 16QAM | 1 | 24 | 17.74 | 17.82 | 17.83 | | | | | | |
| 5 | 16QAM | 12 | 0 | 18.00 | 18.14 | 17.92 | | | | | | |
| 5 | 16QAM | 12 | 7 | 17.94 | 18.02 | 17.86 | | | | | | |
| 5 | 16QAM | 12 | 13 | 17.97 | 18.11 | 18.03 | 19.5 | 5 | | | | |
| 5 | 16QAM | 25 | 0 | 17.82 | 17.94 | 17.86 | | | | | | |

| Band 41 Main PA Ant3 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.12 | 23.30 | 23.48 | 24.5 | 0 | |
| 20 | QPSK | 1 | 49 | 23.03 | 23.08 | 23.12 | | | |
| 20 | QPSK | 50 | 24 | 23.01 | 23.12 | 23.07 | | | |
| 20 | QPSK | 50 | 24 | 22.30 | 22.20 | 22.28 | | | |
| 20 | QPSK | 100 | 0 | 22.18 | 22.15 | 22.30 | | | |
| 20 | 16QAM | 1 | 0 | 22.11 | 22.17 | 22.13 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 49 | 22.14 | 22.05 | 22.13 | | | |
| 20 | 16QAM | 1 | 99 | 22.02 | 22.08 | 22.14 | | | |
| 20 | 16QAM | 50 | 24 | 21.17 | 21.26 | 21.28 | | | |
| 20 | 16QAM | 50 | 24 | 21.07 | 21.08 | 21.14 | | | |
| 20 | 16QAM | 100 | 0 | 21.17 | 21.11 | 21.27 | 22.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 21.08 | 21.09 | 21.05 | | | |
| 20 | 16QAM | 1 | 49 | 20.71 | 20.78 | 20.83 | | | |
| 20 | 16QAM | 1 | 99 | 20.78 | 20.68 | 20.78 | | | |
| 20 | 16QAM | 50 | 24 | 20.08 | 20.08 | 20.21 | | | |
| 20 | 16QAM | 50 | 24 | 20.07 | 20.03 | 20.11 | 21.5 | 3 | |
| 20 | 16QAM | 100 | 0 | 20.07 | 20.03 | 20.11 | | | |
| 20 | 16QAM | 100 | 0 | 19.86 | 19.84 | 19.83 | | | |
| 20 | 16QAM | 1 | 0 | 17.80 | 17.80 | 17.87 | | | |
| 20 | 16QAM | 1 | 49 | 17.89 | 17.82 | 17.88 | | | |
| 20 | 16QAM | 1 | 99 | 17.89 | 17.82 | 17.88 | 19.5 | 5 | |
| 20 | 16QAM | 50 | 24 | 18.08 | 18.14 | 18.04 | | | |
| 20 | 16QAM | 50 | 24 | 18.11 | 18.06 | 18.20 | | | |
| 20 | 16QAM | 50 | 24 | 18.12 | 18.17 | 18.21 | | | |
| 20 | 16QAM | 100 | 0 | 18.05 | 18.10 | 18.04 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 22.93 | 23.10 | 23.27 | 25 | 0 | |
| 16 | QPSK | 1 | 37 | 22.99 | 22.88 | 23.04 | | | |
| 16 | QPSK | 1 | 74 | 22.94 | 22.89 | 23.01 | | | |
| 16 | QPSK | 36 | 0 | 22.21 | 22.29 | 22.17 | | | |
| 16 | QPSK | 36 | 20 | 22.13 | 22.08 | 22.16 | | | |
| 16 | QPSK | 36 | 20 | 22.10 | 22.11 | 22.10 | 23.5 | 1 | |
| 16 | 16QAM | 1 | 0 | 22.20 | 22.11 | 22.07 | | | |
| 16 | 16QAM | 1 | 37 | 22.14 | 22.06 | 22.10 | | | |
| 16 | 16QAM | 1 | 74 | 21.87 | 21.84 | 22.00 | | | |
| 16 | 16QAM | 36 | 0 | 21.09 | 21.16 | 21.15 | | | |
| 16 | 16QAM | 36 | 20 | 21.02 | 20.98 | 21.04 | 22.5 | 2 | |
| 16 | 16QAM | 36 | 39 | 21.03 | 21.02 | 21.24 | | | |
| 16 | 16QAM | 75 | 0 | 20.93 | 21.00 | 20.90 | | | |
| 16 | 16QAM | 75 | 0 | 20.73 | 20.75 | 20.76 | | | |
| 16 | 16QAM | 1 | 37 | 20.51 | 20.74 | 20.73 | | | |
| 16 | 16QAM | 1 | 74 | 20.73 | 20.66 | 20.79 | 21.5 | 3 | |
| 16 | 16QAM | 36 | 0 | 20.68 | 20.65 | 20.17 | | | |
| 16 | 16QAM | 36 | 20 | 20.62 | 20.61 | 20.17 | | | |
| 16 | 16QAM | 36 | 39 | 20.61 | 20.61 | 20.17 | | | |
| 16 | 16QAM | 75 | | | | | | | |



| Band 2 Main PA Ant4 | | | | | | | | | | |
|---------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Time-up limit (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.26 | 23.30 | 23.31 | | | 24.5 | 0 |
| 20 | QPSK | 1 | 49 | 23.18 | 23.22 | 23.16 | | | | |
| 20 | QPSK | 1 | 99 | 23.18 | 23.22 | 23.16 | | | | |
| 20 | QPSK | 50 | 0 | 22.36 | 22.42 | 22.36 | | | | |
| 20 | QPSK | 50 | 24 | 22.30 | 22.34 | 22.34 | | | | |
| 20 | QPSK | 50 | 50 | 22.16 | 22.21 | 22.23 | | | 23.5 | 1 |
| 20 | QPSK | 100 | 0 | 22.33 | 22.37 | 22.28 | | | | |
| 20 | 16QAM | 100 | 0 | 22.72 | 22.74 | 22.74 | | | | |
| 20 | 16QAM | 1 | 49 | 22.68 | 22.78 | 22.68 | | | 23.5 | 1 |
| 20 | 16QAM | 1 | 99 | 22.68 | 22.74 | 22.63 | | | | |
| 20 | 16QAM | 50 | 0 | 21.33 | 21.36 | 21.26 | | | | |
| 20 | 16QAM | 50 | 24 | 21.17 | 21.32 | 21.27 | | | 22.5 | 2 |
| 20 | 16QAM | 50 | 50 | 21.29 | 21.38 | 21.25 | | | | |
| 20 | 16QAM | 100 | 0 | 21.26 | 21.30 | 21.22 | | | | |
| 20 | 84QAM | 1 | 0 | 21.39 | 21.52 | 21.41 | | | 22.5 | 2 |
| 20 | 84QAM | 1 | 49 | 21.43 | 21.46 | 21.59 | | | | |
| 20 | 84QAM | 1 | 99 | 21.36 | 21.45 | 21.31 | | | | |
| 20 | 84QAM | 50 | 0 | 20.43 | 20.47 | 20.41 | | | | |
| 20 | 84QAM | 50 | 24 | 20.59 | 20.38 | 20.31 | | | 21.5 | 3 |
| 20 | 84QAM | 50 | 50 | 20.35 | 20.34 | 20.30 | | | | |
| 20 | 256QAM | 100 | 0 | 20.22 | 20.30 | 20.30 | | | | |
| 20 | 256QAM | 1 | 49 | 18.40 | 18.47 | 18.33 | | | 19.5 | 5 |
| 20 | 256QAM | 1 | 99 | 18.34 | 18.42 | 18.33 | | | | |
| 20 | 256QAM | 50 | 0 | 18.30 | 18.35 | 18.34 | | | | |
| 20 | 256QAM | 50 | 24 | 18.31 | 18.35 | 18.34 | | | 19.5 | 5 |
| 20 | 256QAM | 50 | 50 | 18.30 | 18.40 | 18.34 | | | | |
| 20 | 256QAM | 100 | 0 | 18.27 | 18.27 | 18.27 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.21 | 23.29 | 23.18 | | | 24.5 | 0 |
| 15 | QPSK | 1 | 37 | 23.19 | 23.22 | 23.14 | | | | |
| 15 | QPSK | 1 | 74 | 23.15 | 23.12 | 23.06 | | | | |
| 15 | QPSK | 36 | 0 | 22.30 | 22.32 | 22.31 | | | | |
| 15 | QPSK | 36 | 25 | 22.18 | 22.26 | 22.20 | | | 23.5 | 1 |
| 15 | QPSK | 36 | 39 | 22.11 | 22.22 | 22.19 | | | | |
| 15 | 16QAM | 75 | 0 | 22.19 | 22.25 | 22.19 | | | | |
| 15 | 16QAM | 1 | 0 | 22.60 | 22.66 | 22.57 | | | 23.5 | 1 |
| 15 | 16QAM | 1 | 37 | 22.62 | 22.70 | 22.62 | | | | |
| 15 | 16QAM | 1 | 74 | 22.61 | 22.65 | 22.61 | | | | |
| 15 | 16QAM | 36 | 0 | 21.20 | 21.30 | 21.16 | | | 22.5 | 2 |
| 15 | 16QAM | 36 | 29 | 21.13 | 21.20 | 21.12 | | | | |
| 15 | 84QAM | 1 | 0 | 21.35 | 21.46 | 21.38 | | | 22.5 | 2 |
| 15 | 84QAM | 1 | 37 | 21.36 | 21.47 | 21.37 | | | | |
| 15 | 84QAM | 1 | 74 | 21.29 | 21.35 | 21.23 | | | | |
| 15 | 84QAM | 36 | 0 | 20.36 | 20.35 | 20.33 | | | 21.5 | 3 |
| 15 | 84QAM | 36 | 29 | 20.36 | 20.36 | 20.30 | | | | |
| 15 | 84QAM | 36 | 39 | 20.32 | 20.35 | 20.25 | | | | |
| 15 | 84QAM | 75 | 0 | 20.12 | 20.21 | 20.15 | | | | |
| 15 | 256QAM | 1 | 0 | 18.30 | 18.32 | 18.28 | | | 19.5 | 5 |
| 15 | 256QAM | 1 | 37 | 18.27 | 18.41 | 18.30 | | | | |
| 15 | 256QAM | 1 | 74 | 18.30 | 18.39 | 18.19 | | | | |
| 15 | 256QAM | 36 | 0 | 18.30 | 18.30 | 18.28 | | | | |
| 15 | 256QAM | 36 | 29 | 18.18 | 18.25 | 18.11 | | | 19.5 | 5 |
| 15 | 256QAM | 36 | 39 | 18.17 | 18.34 | 18.27 | | | | |
| 15 | 256QAM | 75 | 0 | 18.23 | 18.24 | 18.27 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.18 | 24.17 | 24.17 | | | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 23.14 | 23.14 | 23.15 | | | | |
| 10 | QPSK | 1 | 49 | 23.11 | 23.13 | 23.06 | | | | |
| 10 | QPSK | 12 | 0 | 22.33 | 22.33 | 22.33 | | | | |
| 10 | QPSK | 25 | 12 | 22.17 | 22.28 | 22.19 | | | 24.5 | 1 |
| 10 | QPSK | 25 | 25 | 22.07 | 22.26 | 22.13 | | | | |
| 10 | 16QAM | 75 | 0 | 22.18 | 22.28 | 22.18 | | | | |
| 10 | 16QAM | 1 | 0 | 22.61 | 22.72 | 22.62 | | | 23.5 | 1 |
| 10 | 16QAM | 1 | 26 | 22.61 | 22.73 | 22.56 | | | | |
| 10 | 16QAM | 1 | 49 | 22.60 | 22.66 | 22.60 | | | | |
| 10 | 16QAM | 25 | 0 | 21.27 | 21.29 | 21.19 | | | 22.5 | 2 |
| 10 | 16QAM | 25 | 12 | 21.09 | 21.23 | 21.15 | | | | |
| 10 | 16QAM | 25 | 49 | 21.18 | 21.27 | 21.13 | | | | |
| 10 | 16QAM | 50 | 0 | 21.17 | 21.16 | 21.15 | | | | |
| 10 | 84QAM | 1 | 0 | 21.26 | 21.43 | 21.33 | | | 22.5 | 2 |
| 10 | 84QAM | 1 | 26 | 21.37 | 21.45 | 21.37 | | | | |
| 10 | 84QAM | 1 | 49 | 21.24 | 21.28 | 21.27 | | | | |
| 10 | 84QAM | 25 | 0 | 20.35 | 20.43 | 20.36 | | | 21.5 | 3 |
| 10 | 84QAM | 25 | 12 | 20.30 | 20.34 | 20.29 | | | | |
| 10 | 84QAM | 25 | 26 | 20.28 | 20.39 | 20.29 | | | | |
| 10 | 84QAM | 50 | 0 | 20.09 | 20.22 | 20.23 | | | | |
| 10 | 256QAM | 1 | 0 | 18.34 | 18.44 | 18.28 | | | 19.5 | 5 |
| 10 | 256QAM | 1 | 26 | 18.42 | 18.42 | 18.22 | | | | |
| 10 | 256QAM | 1 | 49 | 18.34 | 18.33 | 18.23 | | | | |
| 10 | 256QAM | 12 | 0 | 18.30 | 18.30 | 18.28 | | | | |
| 10 | 256QAM | 25 | 12 | 18.26 | 18.28 | 18.16 | | | 19.5 | 5 |
| 10 | 256QAM | 25 | 25 | 18.22 | 18.29 | 18.19 | | | | |
| 10 | 256QAM | 50 | 0 | 18.23 | 18.24 | 18.21 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.13 | 24.13 | 24.13 | | | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 23.13 | 23.13 | 23.00 | | | | |
| 5 | QPSK | 1 | 24 | 23.04 | 23.13 | 23.02 | | | | |
| 5 | QPSK | 12 | 0 | 22.33 | 22.33 | 22.33 | | | | |
| 5 | QPSK | 12 | 7 | 22.21 | 22.26 | 22.19 | | | 24.5 | 1 |
| 5 | QPSK | 12 | 13 | 22.08 | 22.19 | 22.15 | | | | |
| 5 | QPSK | 25 | 0 | 22.26 | 22.26 | 22.26 | | | | |
| 5 | 16QAM | 1 | 0 | 22.59 | 22.72 | 22.60 | | | 23.5 | 1 |
| 5 | 16QAM | 1 | 12 | 22.64 | 22.69 | 22.54 | | | | |
| 5 | 16QAM | 1 | 24 | 22.61 | 22.71 | 22.61 | | | | |
| 5 | 16QAM | 12 | 0 | 21.20 | 21.28 | 21.18 | | | 22.5 | 2 |
| 5 | 16QAM | 12 | 7 | 21.09 | 21.24 | 21.13 | | | | |
| 5 | 16QAM | 12 | 13 | 21.24 | 21.31 | 21.14 | | | | |
| 5 | 16QAM | 25 | 0 | 21.14 | 21.21 | 21.12 | | | 22.5 | 2 |
| 5 | 84QAM | 1 | 0 | 21.26 | 21.40 | 21.30 | | | 22.5 | 2 |
| 5 | 84QAM | 1 | 12 | 21.37 | 21.45 | 21.37 | | | | |
| 5 | 84QAM | 1 | 24 | 21.24 | 21.30 | 21.21 | | | | |
| 5 | 84QAM | 12 | 0 | 20.29 | 20.39 | 20.35 | | | 21.5 | 3 |
| 5 | 84QAM | 12 | 7 | 20.17 | 20.24 | 20.18 | | | | |
| 5 | 84QAM | 12 | 13 | 20.25 | 20.31 | 20.33 | | | | |
| 5 | 84QAM | 25 | 0 | 20.14 | 20.21 | 20.17 | | | | |
| 5 | 256QAM | 1 | 0 | 18.37 | 18.41 | 18.31 | | | 19.5 | 5 |
| 5 | 256QAM | 1 | 12 | 18.32 | 18.39 | 18.19 | | | | |
| 5 | 256QAM | 1 | 24 | 18.27 | 18.28 | 18.23 | | | | |
| 5 | 256QAM | 12 | 0 | 18.30 | 18.31 | 18.26 | | | | |
| 5 | 256QAM | 12 | 7 | 18.19 | 18.28 | 18.11 | | | 19.5 | 5 |
| 5 | 256QAM | 12 | 13 | 18.26 | 18.21 | 18.22 | | | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.28 | 18.23 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.13 | 23.11 | 23.15 | | | 24.5 | 0 |
| 3 | QPSK | 1 | 8 | 23.13 | 23.23 | 23.07 | | | | |
| 3 | QPSK | 1 | 14 | 23.13 | 23.14 | 23.12 | | | | |
| 3 | QPSK | 8 | 0 | 22.21 | 22.33 | 22.28 | | | | |
| 3 | QPSK | 8 | 4 | 22.23 | 22.31 | 22.14 | | | 23.5 | 1 |
| 3 | QPSK | 8 | 7 | 22.10 | 22.19 | 22.20 | | | | |
| 3 | QPSK | 15 | 0 | 22.22 | 22.27 | 22.28 | | | | |
| 3 | 16QAM | 1 | 0 | 22.64 | 22.77 | 22.60 | | | 23.5 | 1 |
| 3 | 16QAM | 1 | 8 | 22.65 | 22.67 | 22.59 | | | | |
| 3 | 16QAM | 1 | 14 | 22.60 | 22.67 | 22.61 | | | | |
| 3 | 16QAM | 8 | 0 | 21.21 | 21.34 | 21.17 | | | 22.5 | 2 |
| 3 | 16QAM | 8 | 4 | 21.08 | 21.19 | 21.21 | | | | |
| 3 | 16QAM | 8 | 7 | 21.15 | 21.24 | 21.14 | | | | |
| 3 | 16QAM | 15 | 0 | 21.20 | 21.21 | 21.13 | | | 22.5 | 2 |
| 3 | 84QAM | 1 | 0 | 21.29 | 21.49 | 21.38 | | | 22.5 | 2 |
| 3 | 84QAM | 1 | 8 | 21.28 | 21.39 | 21.30 | | | | |
| 3 | 84QAM | 1 | 14 | 21.33 | 21.29 | 21.26 | | | | |
| 3 | 84QAM | 8 | 0 | 2 | | | | | | |



| Band 25 Main PA Ant4 | | | | | | | | | | |
|----------------------|-----------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Turn-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1860 | 1868 | 1905 | | | | |
| 20 | QPSK | 1 | 0 | 20.31 | 20.42 | 20.27 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 21.29 | 21.34 | 21.24 | | | | |
| 20 | QPSK | 1 | 99 | 22.16 | 22.29 | 22.21 | | | | |
| 20 | QPSK | 50 | 0 | 22.24 | 22.25 | 22.26 | | | | |
| 20 | QPSK | 50 | 24 | 22.22 | 22.22 | 22.21 | | | | |
| 20 | QPSK | 50 | 50 | 22.16 | 22.24 | 22.12 | 23.5 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.16 | 22.25 | 22.26 | | | | |
| 20 | QPSK | 100 | 24 | 22.55 | 22.56 | 22.56 | | | | |
| 20 | 16QAM | 1 | 49 | 22.48 | 22.59 | 22.47 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.52 | 22.55 | 22.43 | | | | |
| 20 | 16QAM | 50 | 0 | 21.31 | 21.38 | 21.28 | | | | |
| 20 | 16QAM | 50 | 24 | 21.19 | 21.28 | 21.15 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 50 | 21.18 | 21.32 | 21.22 | | | | |
| 20 | 16QAM | 100 | 0 | 21.18 | 21.30 | 21.19 | | | | |
| 20 | 64QAM | 1 | 0 | 21.44 | 21.51 | 21.47 | | | | |
| 20 | 64QAM | 1 | 49 | 21.31 | 21.45 | 21.39 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.27 | 21.41 | 21.28 | | | | |
| 20 | 64QAM | 50 | 0 | 20.31 | 20.42 | 20.32 | | | | |
| 20 | 64QAM | 50 | 24 | 20.19 | 20.35 | 20.22 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 50 | 20.38 | 20.38 | 20.25 | | | | |
| 20 | 64QAM | 100 | 0 | 20.27 | 20.30 | 20.26 | | | | |
| 20 | 256QAM | 1 | 49 | 18.45 | 18.45 | 18.38 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.38 | 18.42 | 18.32 | | | | |
| 20 | 256QAM | 50 | 0 | 18.28 | 18.41 | 18.28 | | | | |
| 20 | 256QAM | 50 | 24 | 18.27 | 18.31 | 18.18 | 18.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.37 | 18.33 | | | | |
| 20 | 256QAM | 100 | 0 | 18.23 | 18.38 | 18.28 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1875 | 1880 | 1907.5 | Turn-up (min) | MPR (dB) | | |
| 15 | QPSK | 1 | 0 | 23.20 | 23.36 | 23.13 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.20 | 23.29 | 23.20 | | | | |
| 15 | QPSK | 1 | 74 | 23.07 | 23.16 | 23.17 | | | | |
| 15 | QPSK | 36 | 0 | 22.13 | 22.26 | 22.07 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.15 | 22.11 | 22.07 | | | | |
| 15 | QPSK | 36 | 39 | 22.12 | 22.09 | 22.06 | | | | |
| 15 | QPSK | 75 | 0 | 22.09 | 22.16 | 22.11 | | | | |
| 15 | 16QAM | 1 | 49 | 22.45 | 22.54 | 22.49 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.38 | 22.55 | 22.33 | | | | |
| 15 | 16QAM | 36 | 0 | 21.43 | 21.44 | 21.43 | | | | |
| 15 | 16QAM | 36 | 20 | 21.18 | 21.22 | 21.23 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.13 | 21.18 | 21.08 | | | | |
| 15 | 64QAM | 1 | 0 | 21.35 | 21.46 | 21.37 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.17 | 21.30 | 21.19 | | | | |
| 15 | 64QAM | 36 | 0 | 20.20 | 20.36 | 20.17 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.39 | 20.29 | 20.17 | | | | |
| 15 | 64QAM | 36 | 39 | 20.22 | 20.25 | 20.19 | | | | |
| 15 | 64QAM | 75 | 0 | 20.22 | 20.23 | 20.16 | | | | |
| 15 | 256QAM | 1 | 49 | 18.34 | 18.46 | 18.28 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.32 | 18.29 | | | | |
| 15 | 256QAM | 1 | 74 | 18.29 | 18.36 | 18.22 | | | | |
| 15 | 256QAM | 36 | 0 | 18.16 | 18.38 | 18.22 | | | | |
| 15 | 256QAM | 36 | 20 | 18.13 | 18.25 | 18.11 | 18.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.15 | 18.32 | 18.28 | | | | |
| 15 | 256QAM | 75 | 0 | 18.13 | 18.28 | 18.28 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1898 | 1910 | Turn-up (min) | MPR (dB) | | |
| 10 | QPSK | 1 | 0 | 23.27 | 23.38 | 23.27 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.17 | 23.24 | 23.20 | | | | |
| 10 | QPSK | 1 | 49 | 23.10 | 23.18 | 23.09 | | | | |
| 10 | QPSK | 25 | 0 | 22.20 | 22.21 | 22.11 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 14 | 22.16 | 22.19 | 22.07 | | | | |
| 10 | QPSK | 25 | 25 | 22.04 | 22.11 | 22.01 | | | | |
| 10 | QPSK | 50 | 0 | 22.06 | 22.16 | 22.11 | | | | |
| 10 | 16QAM | 1 | 0 | 22.42 | 22.59 | 22.47 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.34 | 22.50 | 22.42 | | | | |
| 10 | 16QAM | 25 | 0 | 21.22 | 21.30 | 21.15 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 14 | 21.14 | 21.17 | 21.08 | | | | |
| 10 | 16QAM | 25 | 25 | 21.05 | 21.16 | 21.15 | | | | |
| 10 | 64QAM | 1 | 0 | 21.32 | 21.38 | 21.44 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.26 | 21.35 | 21.28 | | | | |
| 10 | 64QAM | 1 | 49 | 21.17 | 21.34 | 21.18 | | | | |
| 10 | 64QAM | 25 | 0 | 20.24 | 20.30 | 20.29 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 14 | 20.25 | 20.26 | 20.18 | | | | |
| 10 | 64QAM | 25 | 25 | 20.23 | 20.33 | 20.20 | | | | |
| 10 | 64QAM | 50 | 0 | 20.20 | 20.22 | 20.20 | | | | |
| 10 | 256QAM | 1 | 49 | 18.40 | 18.43 | 18.33 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.38 | 18.39 | 18.33 | | | | |
| 10 | 256QAM | 1 | 49 | 18.30 | 18.38 | 18.27 | | | | |
| 10 | 256QAM | 25 | 0 | 18.20 | 18.38 | 18.22 | | | | |
| 10 | 256QAM | 25 | 14 | 18.20 | 18.20 | 18.12 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.11 | 18.25 | 18.20 | | | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.20 | 18.24 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1898 | 1912.5 | Turn-up (min) | MPR (dB) | | |
| 5 | QPSK | 1 | 0 | 23.24 | 23.33 | 23.15 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.18 | 23.30 | 23.15 | | | | |
| 5 | QPSK | 1 | 24 | 23.02 | 23.15 | 23.14 | | | | |
| 5 | QPSK | 12 | 0 | 22.13 | 22.26 | 22.18 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.09 | 22.21 | 22.16 | | | | |
| 5 | QPSK | 12 | 13 | 22.08 | 22.14 | 22.09 | | | | |
| 5 | QPSK | 25 | 0 | 22.09 | 22.21 | 22.18 | | | | |
| 5 | 16QAM | 1 | 0 | 22.47 | 22.51 | 22.45 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.43 | 22.44 | 22.43 | | | | |
| 5 | 16QAM | 1 | 24 | 22.37 | 22.45 | 22.37 | | | | |
| 5 | 16QAM | 12 | 0 | 21.17 | 21.33 | 21.24 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.07 | 21.24 | 21.07 | | | | |
| 5 | 16QAM | 12 | 13 | 21.08 | 21.22 | 21.08 | | | | |
| 5 | 64QAM | 1 | 0 | 21.39 | 21.43 | 21.32 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.20 | 21.33 | 21.27 | | | | |
| 5 | 64QAM | 1 | 24 | 21.18 | 21.28 | 21.17 | | | | |
| 5 | 64QAM | 12 | 0 | 20.17 | 20.31 | 20.20 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.08 | 20.20 | 20.13 | | | | |
| 5 | 64QAM | 12 | 13 | 20.20 | 20.30 | 20.20 | | | | |
| 5 | 64QAM | 25 | 0 | 20.19 | 20.16 | 20.21 | | | | |
| 5 | 256QAM | 1 | 18 | 18.31 | 18.38 | 18.33 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.35 | 18.37 | 18.27 | | | | |
| 5 | 256QAM | 1 | 24 | 18.28 | 18.20 | 18.16 | | | | |
| 5 | 256QAM | 12 | 0 | 18.18 | 18.38 | 18.25 | | | | |
| 5 | 256QAM | 12 | 7 | 18.23 | 18.20 | 18.07 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.12 | 18.32 | 18.21 | | | | |
| 5 | 256QAM | 25 | 0 | 18.14 | 18.28 | 18.25 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1898 | 1907.5 | Turn-up (min) | MPR (dB) | | |
| 3 | QPSK | 1 | 0 | 23.24 | 23.38 | 23.15 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.18 | 23.24 | 23.16 | | | | |
| 3 | QPSK | 1 | 14 | 23.03 | 23.22 | 23.08 | | | | |
| 3 | QPSK | 8 | 0 | 22.16 | 22.21 | 22.11 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.12 | 22.18 | 22.13 | | | | |
| 3 | QPSK | 8 | 7 | 22.05 | 22.14 | 22.08 | | | | |
| 3 | QPSK | 15 | 0 | 22.02 | 22.14 | 22.14 | | | | |
| 3 | 16QAM | 1 | 0 | 22.50 | 22.60 | 22.42 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.38 | 22.45 | 22.38 | | | | |
| 3 | 16QAM | 1 | 15 | 22.44 | 22.46 | 22.30 | | | | |
| 3 | 16QAM | 8 | 0 | 21.20 | 21.23 | 21.22 | 22.5 | 2 | | |
| 3 | 16QAM | 8 | 4 | 21.16 | 21.17 | 21.01 | | | | |
| 3 | 16QAM | 8 | 7 | 21.11 | 21.26 | 21.11 | | | | |
| 3 | 64QAM | 1 | 0 | 21.06 | 21.20 | 21.09 | 22.5 | 2 | | |
| 3 | 64QAM | 1 | 8 | 21.39 | 21.44 | 21.39 | | | | |
| 3 | 64QAM | 1 | 15 | 21.27 | 21.38 | 21.30 | | | | |
| 3 | 64QAM | 8 | 0 | 20.20 | 20.38 | 20.19 | 21.5 | 3 | | |
| 3 | 64QAM | 8 | 4 | 20.18 | 20.23 | 20.18 | | | | |



| Band 38 Main PA Ant4 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 38750 | 38900 | 39150 | | | | |
| 20 | QPSK | 1 | 0 | 25.21 | 25.27 | 25.12 | | | | |
| 20 | QPSK | 1 | 49 | 25.11 | 25.23 | 25.10 | | 25.7 | 0 | |
| 20 | QPSK | 50 | 0 | 25.08 | 25.16 | 25.06 | | | | |
| 20 | QPSK | 50 | 0 | 24.18 | 24.26 | 24.21 | | | | |
| 20 | QPSK | 50 | 24 | 24.19 | 24.22 | 24.15 | | 24.7 | 1 | |
| 20 | QPSK | 100 | 0 | 24.16 | 24.24 | 24.13 | | | | |
| 20 | 16QAM | 1 | 0 | 24.26 | 24.31 | 24.22 | | | | |
| 20 | 16QAM | 1 | 49 | 24.08 | 24.22 | 24.08 | | 24.7 | 1 | |
| 20 | 16QAM | 1 | 99 | 24.04 | 24.10 | 24.02 | | | | |
| 20 | 16QAM | 50 | 0 | 23.21 | 23.28 | 23.20 | | | | |
| 20 | 16QAM | 50 | 24 | 23.27 | 23.30 | 23.24 | | 23.7 | 2 | |
| 20 | 16QAM | 100 | 0 | 23.20 | 23.24 | 23.20 | | | | |
| 20 | 64QAM | 1 | 0 | 23.15 | 23.21 | 23.15 | | | | |
| 20 | 64QAM | 1 | 49 | 23.08 | 23.19 | 23.13 | | 23.7 | 2 | |
| 20 | 64QAM | 1 | 99 | 23.05 | 23.17 | 23.05 | | | | |
| 20 | 64QAM | 50 | 0 | 22.23 | 22.28 | 22.15 | | | | |
| 20 | 64QAM | 50 | 24 | 22.18 | 22.25 | 22.12 | | 22.7 | 3 | |
| 20 | 64QAM | 100 | 0 | 22.21 | 22.23 | 22.19 | | | | |
| 20 | 256QAM | 1 | 0 | 20.23 | 20.28 | 20.19 | | | | |
| 20 | 256QAM | 1 | 49 | 20.09 | 20.16 | 20.09 | | 20.7 | 5 | |
| 20 | 256QAM | 1 | 99 | 20.00 | 20.07 | 19.95 | | | | |
| 20 | 256QAM | 50 | 0 | 20.09 | 20.12 | 20.04 | | | | |
| 20 | 256QAM | 50 | 24 | 20.00 | 20.10 | 20.04 | | 20.7 | 5 | |
| 20 | 256QAM | 100 | 0 | 20.14 | 20.18 | 20.08 | | | | |
| 20 | 256QAM | 100 | 0 | 20.05 | 20.17 | 20.05 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 39275 | 39500 | 39725 | Tune-up limit (dBm) | MPR (dB) | | |
| 15 | QPSK | 1 | 0 | 23.73 | 23.71 | 23.72 | | | | |
| 15 | QPSK | 1 | 37 | 23.02 | 23.20 | 24.99 | | 25.7 | 0 | |
| 15 | QPSK | 1 | 74 | 24.24 | 24.06 | 24.94 | | | | |
| 15 | QPSK | 36 | 0 | 24.16 | 24.22 | 24.12 | | | | |
| 15 | QPSK | 36 | 20 | 24.08 | 24.12 | 24.11 | | 24.7 | 1 | |
| 15 | QPSK | 36 | 39 | 24.12 | 24.17 | 24.07 | | | | |
| 15 | QPSK | 75 | 0 | 24.10 | 24.14 | 24.08 | | | | |
| 15 | 16QAM | 1 | 0 | 24.20 | 24.24 | 24.17 | | | | |
| 15 | 16QAM | 1 | 37 | 23.07 | 23.09 | 24.01 | | 24.7 | 1 | |
| 15 | 16QAM | 1 | 74 | 23.91 | 24.00 | 23.90 | | | | |
| 15 | 16QAM | 36 | 0 | 23.07 | 23.22 | 23.06 | | | | |
| 15 | 16QAM | 36 | 20 | 23.10 | 23.15 | 23.13 | | 23.7 | 2 | |
| 15 | 16QAM | 36 | 39 | 23.10 | 23.21 | 23.18 | | | | |
| 15 | 16QAM | 75 | 0 | 23.07 | 23.15 | 23.11 | | | | |
| 15 | 64QAM | 1 | 0 | 23.04 | 23.18 | 23.10 | | | | |
| 15 | 64QAM | 1 | 37 | 23.03 | 23.11 | 23.07 | | 23.7 | 2 | |
| 15 | 64QAM | 1 | 74 | 22.92 | 23.04 | 22.93 | | | | |
| 15 | 64QAM | 36 | 0 | 22.10 | 22.23 | 22.11 | | | | |
| 15 | 64QAM | 36 | 20 | 22.08 | 22.10 | 22.03 | | 22.7 | 3 | |
| 15 | 64QAM | 36 | 39 | 22.15 | 22.14 | 22.14 | | | | |
| 15 | 64QAM | 75 | 0 | 22.05 | 22.10 | 22.04 | | | | |
| 15 | 256QAM | 1 | 0 | 20.14 | 20.14 | 20.08 | | 20.7 | 5 | |
| 15 | 256QAM | 1 | 37 | 19.98 | 19.13 | 19.06 | | | | |
| 15 | 256QAM | 1 | 74 | 19.96 | 19.98 | 19.92 | | | | |
| 15 | 256QAM | 36 | 0 | 19.99 | 20.02 | 19.97 | | | | |
| 15 | 256QAM | 36 | 20 | 19.99 | 19.99 | 19.97 | | 20.7 | 5 | |
| 15 | 256QAM | 36 | 39 | 20.01 | 20.05 | 19.99 | | | | |
| 15 | 256QAM | 75 | 0 | 19.99 | 20.13 | 19.98 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 39775 | 39900 | 40025 | Tune-up limit (dBm) | MPR (dB) | | |
| 10 | QPSK | 1 | 0 | 25.16 | 25.18 | 24.98 | | | | |
| 10 | QPSK | 1 | 25 | 25.00 | 25.08 | 25.03 | | 25.7 | 0 | |
| 10 | QPSK | 1 | 49 | 24.93 | 25.04 | 24.93 | | | | |
| 10 | QPSK | 12 | 0 | 24.07 | 24.11 | 24.11 | | | | |
| 10 | QPSK | 25 | 12 | 24.12 | 24.09 | 24.02 | | 24.7 | 1 | |
| 10 | QPSK | 25 | 25 | 24.08 | 24.17 | 24.06 | | | | |
| 10 | 16QAM | 1 | 0 | 24.23 | 24.24 | 24.14 | | | | |
| 10 | 16QAM | 1 | 25 | 23.93 | 24.17 | 24.06 | | 24.7 | 1 | |
| 10 | 16QAM | 1 | 49 | 24.00 | 23.98 | 23.98 | | | | |
| 10 | 16QAM | 25 | 0 | 23.18 | 23.21 | 23.10 | | | | |
| 10 | 16QAM | 25 | 12 | 23.21 | 23.15 | 23.15 | | 23.7 | 2 | |
| 10 | 16QAM | 25 | 25 | 23.15 | 23.22 | 23.17 | | | | |
| 10 | 64QAM | 1 | 0 | 23.12 | 23.20 | 23.05 | | | | |
| 10 | 64QAM | 1 | 25 | 23.01 | 23.12 | 22.99 | | 23.7 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.92 | 23.06 | 22.92 | | | | |
| 10 | 64QAM | 25 | 0 | 22.18 | 22.24 | 22.05 | | | | |
| 10 | 64QAM | 25 | 12 | 22.06 | 22.15 | 22.04 | | 22.7 | 3 | |
| 10 | 64QAM | 25 | 25 | 22.10 | 22.20 | 22.14 | | | | |
| 10 | 64QAM | 50 | 0 | 22.02 | 22.03 | 22.06 | | | | |
| 10 | 256QAM | 1 | 0 | 20.11 | 20.11 | 20.06 | | 20.7 | 5 | |
| 10 | 256QAM | 1 | 25 | 19.98 | 20.02 | 19.95 | | | | |
| 10 | 256QAM | 1 | 49 | 19.90 | 19.92 | 19.91 | | | | |
| 10 | 256QAM | 25 | 0 | 19.95 | 19.99 | 19.98 | | | | |
| 10 | 256QAM | 25 | 12 | 19.90 | 20.00 | 20.00 | | 20.7 | 5 | |
| 10 | 256QAM | 25 | 25 | 20.00 | 20.14 | 20.03 | | | | |
| 10 | 256QAM | 50 | 0 | 19.93 | 20.13 | 19.97 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 39775 | 39900 | 40025 | Tune-up limit (dBm) | MPR (dB) | | |
| 5 | QPSK | 1 | 0 | 25.17 | 25.19 | 25.02 | | | | |
| 5 | QPSK | 1 | 12 | 25.08 | 25.15 | 25.03 | | 25.7 | 0 | |
| 5 | QPSK | 1 | 24 | 24.99 | 25.05 | 24.91 | | | | |
| 5 | QPSK | 12 | 0 | 24.06 | 24.11 | 24.01 | | | | |
| 5 | QPSK | 12 | 7 | 24.13 | 24.11 | 24.00 | | 24.7 | 1 | |
| 5 | QPSK | 12 | 12 | 24.02 | 24.15 | 24.04 | | | | |
| 5 | QPSK | 25 | 0 | 24.09 | 24.13 | 24.03 | | | | |
| 5 | QPSK | 25 | 0 | 24.14 | 24.17 | 24.11 | | | | |
| 5 | 16QAM | 1 | 12 | 23.99 | 24.13 | 23.93 | | 24.7 | 1 | |
| 5 | 16QAM | 1 | 24 | 23.99 | 23.95 | 23.88 | | | | |
| 5 | 16QAM | 12 | 0 | 23.18 | 23.18 | 23.11 | | | | |
| 5 | 16QAM | 12 | 7 | 23.12 | 23.22 | 23.15 | | 23.7 | 2 | |
| 5 | 16QAM | 12 | 12 | 23.09 | 23.28 | 23.09 | | | | |
| 5 | 16QAM | 25 | 0 | 23.07 | 23.17 | 23.09 | | | | |
| 5 | 64QAM | 1 | 0 | 23.07 | 23.20 | 23.12 | | 23.7 | 2 | |
| 5 | 64QAM | 1 | 12 | 22.96 | 23.13 | 23.03 | | | | |
| 5 | 64QAM | 1 | 24 | 22.99 | 23.02 | 22.91 | | | | |
| 5 | 64QAM | 12 | 0 | 22.17 | 22.15 | 22.07 | | | | |
| 5 | 64QAM | 12 | 7 | 22.06 | 22.13 | 22.02 | | 22.7 | 3 | |
| 5 | 64QAM | 12 | 12 | 22.13 | 22.15 | 22.12 | | | | |
| 5 | 64QAM | 25 | 0 | 20.10 | 20.14 | 20.06 | | | | |
| 5 | 256QAM | 1 | 0 | 20.09 | 20.23 | 20.11 | | 20.7 | 5 | |
| 5 | 256QAM | 1 | 12 | 19.97 | 20.12 | 20.01 | | | | |
| 5 | 256QAM | 1 | 24 | 19.88 | 19.84 | 19.88 | | | | |
| 5 | 256QAM | 12 | 0 | 19.98 | 19.99 | 19.96 | | 20.7 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.85 | 19.88 | 19.84 | | | | |
| 5 | 256QAM | 12 | 12 | 20.09 | 20.09 | 19.96 | | | | |
| 5 | 256QAM | 25 | 0 | 19.92 | 20.06 | 19.91 | | | | |

| Band 41 Main PA Ant4 | | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|-------------------------|----------------------|--------------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Low-Mid Ch / Freq | Power High Ch / Freq | Power High-Mid Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | 39750 | 40185 | 40620 | 41055 | 41490 | | | |
| 20 | QPSK | 1 | 0 | 25.16 | 25.05 | 25.01 | 24.95 | | | | |
| 20 | QPSK | 1 | 49 | 25.11 | 25.10 | 25.23 | 25.19 | | 25.7 | 0 | |
| 20 | QPSK | 1 | 99 | 25.08 | 25.10 | 25.18 | 25.06 | | | | |
| 20 | QPSK | 50 | 0 | 24.30 | 24.30 | 24.43 | 24.31 | | | | |
| 20 | QPSK | 50 | 24 | 24.32 | 24.34 | 24.37 | 24.22 | | 24.7 | 1 | |
| 20 | QPSK | 100 | 0 | 24.23 | 24.22 | 24.35 | 24.18 | | | | |
| 20 | QPSK | 100 | 0 | 24.29 | 24.29 | 24.31 | 24.27 | | | | |
| 20 | 16QAM | 1 | 0 | 24.44 | 24.44 | 24.54 | 24.43 | | 24.7 | 1 | |
| 20 | 16QAM | 1 | 49 | 24.37 | 24.41 | 24.48 | 24.38 | | | | |
| 20 | 16QAM | 1 | 99 | 24.35 | 24.39 | 24.44 | 24.34 | | | | |
| 20 | 16QAM | 50 | 0 | 23.57 | 23.56 | 23.39 | 23.25 | | | | |
| 20 | 16QAM | 50 | 24 | 23.59 | 23.50 | 23.27 | 23.15 | | 23.7 | 2 | |
| 20 | 16QAM | 100 | 0 | 23.22 | 23.26 | 23.31 | 23.25 | | | | |
| 20 | 16QAM | 100 | 0 | 23.21 | 23.19 | 23.25 | 23.14 | | | | |
| 20 | 64QAM | 1 | 0 | 22.85 | 22.82 | 23.01 | 22.85 | | | | |
| 20 | 64QAM | 1 | 49 | 22.86 | 22.81 | 22.85 | 22.87 | | 23.7 | 2 | |
| 20 | 64QAM | 1 | 99 | 22.83 | 22.84 | 22.91 | 22.84 | | | | |
| 20 | 64QAM | 50 | 0 | 22.30 | 22.20 | 22.42 | 22.32 | | | | |
| 20 | 64QAM | 50 | 24 | 22.25 | 22.19 | 22.33 | 22.23 | | 22.7 | 3 | |
| 20 | 64QAM | 100 | 0 | 22.07 | 22.21 | 22.38 | 22.32 | | | | |
| 20 | 64QAM | 100 | 0 | 22.15 | 22.24 | 22.30 | 22.23 | | | | |
| 20 | 256QAM | 1 | 0 | 20.27 | 20.20 | 20.32 | 20.29 | | 20.7 | 5 | |
| 20 | 256QAM | 1 | 49 | 20.23 | 20.18 | 20.29 | 20.16 | | | | |
| 20 | 256QAM | 1 | 99 | 20.16 | 20.17 | 20.24 | 20.15 | | | | |
| 20 | 256QAM | 50 | 0 | 20.19 | 20.20 | 20.20 | 20.11 | | | | |
| 20 | 256QAM | 50 | 24 | 19.98 | 20.08 | 20.13 | 20.05 | | 20.7 | 5 | |
| 20 | 256QAM | 100 | 0 | 20.14 | 20.13 | 20.19 | 20.09 | | | | |
| 20 | 256QAM | 100 | 0 | 20.12 | 20.17 | 20.18 | 20.15 | | | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | 39750 | 40185 | | | | | | |



| Band 42 FCC Part27Q Main PA Ant5 | | | | | | | | | |
|----------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MFR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 25.00 | 25.00 | 24.97 | 25.5 | 0 | |
| 20 | QPSK | 1 | 49 | 24.86 | 24.84 | 24.84 | | | |
| 20 | QPSK | 1 | 99 | 24.72 | 24.69 | 24.69 | | | |
| 20 | QPSK | 50 | 0 | 23.85 | 23.85 | 23.91 | 24.5 | 1 | |
| 20 | QPSK | 50 | 24 | 23.76 | 23.88 | 23.83 | | | |
| 20 | QPSK | 100 | 0 | 23.80 | 23.80 | 23.81 | | | |
| 20 | HQAM | 1 | 0 | 23.69 | 23.77 | 23.71 | 24.5 | 1 | |
| 20 | HQAM | 1 | 49 | 23.62 | 23.71 | 23.62 | | | |
| 20 | HQAM | 1 | 99 | 23.53 | 23.72 | 23.57 | | | |
| 20 | HQAM | 50 | 0 | 22.84 | 22.85 | 22.82 | 23.5 | 2 | |
| 20 | HQAM | 50 | 24 | 22.81 | 22.81 | 22.82 | | | |
| 20 | HQAM | 100 | 0 | 22.84 | 22.86 | 22.86 | | | |
| 20 | HQAM | 100 | 0 | 22.81 | 22.75 | 22.84 | | | |
| 20 | HQAM | 1 | 49 | 22.67 | 22.67 | 22.63 | 23.5 | 2 | |
| 20 | HQAM | 1 | 99 | 22.63 | 22.63 | 22.53 | | | |
| 20 | HQAM | 50 | 0 | 21.85 | 21.85 | 21.81 | | | |
| 20 | HQAM | 50 | 24 | 21.62 | 21.74 | 21.64 | 22.5 | 3 | |
| 20 | HQAM | 100 | 0 | 21.61 | 21.70 | 21.69 | | | |
| 20 | HQAM | 100 | 0 | 21.65 | 21.72 | 21.61 | | | |
| 20 | ZSSQAM | 1 | 0 | 19.75 | 19.84 | 19.70 | 20.5 | 5 | |
| 20 | ZSSQAM | 1 | 49 | 19.67 | 19.80 | 19.62 | | | |
| 20 | ZSSQAM | 1 | 99 | 19.64 | 19.79 | 19.73 | | | |
| 20 | ZSSQAM | 50 | 0 | 19.69 | 19.82 | 19.66 | | | |
| 20 | ZSSQAM | 50 | 24 | 19.57 | 19.63 | 19.51 | 20.5 | 5 | |
| 20 | ZSSQAM | 100 | 0 | 19.64 | 19.75 | 19.68 | | | |
| 20 | ZSSQAM | 100 | 0 | 19.65 | 19.67 | 19.57 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 24.02 | 24.00 | 24.04 | 25.5 | 0 | |
| 15 | QPSK | 1 | 37 | 24.78 | 24.87 | 24.70 | | | |
| 15 | QPSK | 1 | 74 | 24.71 | 24.76 | 24.70 | | | |
| 15 | QPSK | 36 | 0 | 23.75 | 23.82 | 23.82 | 24.5 | 1 | |
| 15 | QPSK | 36 | 20 | 23.61 | 23.74 | 23.73 | | | |
| 15 | QPSK | 75 | 0 | 23.68 | 23.82 | 23.70 | | | |
| 15 | HQAM | 1 | 0 | 23.54 | 23.70 | 23.59 | 24.5 | 1 | |
| 15 | HQAM | 1 | 37 | 23.33 | 23.45 | 23.45 | | | |
| 15 | HQAM | 1 | 74 | 23.49 | 23.57 | 23.48 | | | |
| 15 | HQAM | 36 | 0 | 22.81 | 22.99 | 22.80 | 23.5 | 2 | |
| 15 | HQAM | 36 | 20 | 22.71 | 22.87 | 22.73 | | | |
| 15 | HQAM | 75 | 0 | 22.85 | 22.89 | 22.79 | | | |
| 15 | HQAM | 75 | 0 | 22.76 | 22.81 | 22.84 | | | |
| 15 | HQAM | 1 | 37 | 22.59 | 22.64 | 22.50 | 23.5 | 2 | |
| 15 | HQAM | 1 | 74 | 22.45 | 22.45 | 22.44 | | | |
| 15 | HQAM | 36 | 0 | 21.73 | 21.82 | 21.71 | 22.5 | 3 | |
| 15 | HQAM | 36 | 20 | 21.67 | 21.69 | 21.58 | | | |
| 15 | HQAM | 75 | 0 | 21.62 | 21.62 | 21.51 | | | |
| 15 | ZSSQAM | 1 | 0 | 19.66 | 19.79 | 19.58 | 20.5 | 5 | |
| 15 | ZSSQAM | 1 | 37 | 19.63 | 19.75 | 19.53 | | | |
| 15 | ZSSQAM | 1 | 74 | 19.53 | 19.60 | 19.62 | | | |
| 15 | ZSSQAM | 36 | 0 | 19.65 | 19.72 | 19.59 | 20.5 | 5 | |
| 15 | ZSSQAM | 36 | 20 | 19.49 | 19.52 | 19.47 | | | |
| 15 | ZSSQAM | 75 | 0 | 19.59 | 19.61 | 19.58 | | | |
| 15 | ZSSQAM | 75 | 0 | 19.43 | 19.43 | 19.51 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.42 | 24.40 | 24.42 | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.79 | 24.88 | 24.77 | | | |
| 10 | QPSK | 1 | 49 | 24.61 | 24.81 | 24.79 | | | |
| 10 | QPSK | 12 | 0 | 23.80 | 23.82 | 23.86 | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 23.72 | 23.83 | 23.68 | | | |
| 10 | QPSK | 25 | 25 | 23.66 | 23.78 | 23.66 | | | |
| 10 | QPSK | 50 | 0 | 23.73 | 23.84 | 23.74 | 24.5 | 1 | |
| 10 | HQAM | 1 | 0 | 23.56 | 23.67 | 23.67 | | | |
| 10 | HQAM | 1 | 25 | 23.58 | 23.60 | 23.56 | | | |
| 10 | HQAM | 1 | 49 | 23.58 | 23.67 | 23.42 | | | |
| 10 | HQAM | 25 | 0 | 22.83 | 22.84 | 22.89 | 23.5 | 2 | |
| 10 | HQAM | 25 | 12 | 22.88 | 22.87 | 22.76 | | | |
| 10 | HQAM | 50 | 0 | 22.85 | 22.85 | 22.76 | | | |
| 10 | HQAM | 50 | 25 | 22.79 | 22.80 | 22.69 | | | |
| 10 | HQAM | 1 | 25 | 22.52 | 22.50 | 22.58 | 23.5 | 2 | |
| 10 | HQAM | 1 | 49 | 22.43 | 22.48 | 22.46 | | | |
| 10 | HQAM | 25 | 0 | 21.78 | 21.82 | 21.75 | 22.5 | 3 | |
| 10 | HQAM | 25 | 12 | 21.58 | 21.59 | 21.59 | | | |
| 10 | HQAM | 25 | 25 | 21.60 | 21.65 | 21.61 | | | |
| 10 | HQAM | 50 | 0 | 21.60 | 21.63 | 21.63 | | | |
| 10 | ZSSQAM | 1 | 0 | 19.72 | 19.80 | 19.56 | 20.5 | 5 | |
| 10 | ZSSQAM | 1 | 25 | 19.68 | 19.74 | 19.64 | | | |
| 10 | ZSSQAM | 1 | 49 | 19.61 | 19.70 | 19.67 | | | |
| 10 | ZSSQAM | 25 | 0 | 19.59 | 19.70 | 19.59 | 20.5 | 5 | |
| 10 | ZSSQAM | 25 | 12 | 19.47 | 19.50 | 19.47 | | | |
| 10 | ZSSQAM | 25 | 25 | 19.55 | 19.63 | 19.57 | | | |
| 10 | ZSSQAM | 50 | 0 | 19.49 | 19.52 | 19.47 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.49 | 24.43 | 24.42 | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.61 | 24.67 | 24.77 | | | |
| 5 | QPSK | 1 | 24 | 24.58 | 24.70 | 24.72 | | | |
| 5 | QPSK | 12 | 0 | 23.74 | 23.84 | 23.84 | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.62 | 23.71 | 23.72 | | | |
| 5 | QPSK | 12 | 13 | 23.70 | 23.81 | 23.75 | | | |
| 5 | HQAM | 1 | 0 | 23.58 | 23.74 | 23.67 | 24.5 | 1 | |
| 5 | HQAM | 1 | 12 | 23.56 | 23.56 | 23.53 | | | |
| 5 | HQAM | 1 | 24 | 23.58 | 23.67 | 23.48 | | | |
| 5 | HQAM | 12 | 0 | 22.85 | 22.84 | 22.77 | 23.5 | 2 | |
| 5 | HQAM | 12 | 7 | 22.68 | 22.67 | 22.71 | | | |
| 5 | HQAM | 12 | 13 | 22.88 | 22.81 | 22.71 | | | |
| 5 | HQAM | 25 | 0 | 22.72 | 22.84 | 22.68 | 23.5 | 2 | |
| 5 | HQAM | 25 | 0 | 22.48 | 22.65 | 22.50 | | | |
| 5 | HQAM | 1 | 12 | 22.49 | 22.62 | 22.57 | 22.5 | 2 | |
| 5 | HQAM | 1 | 24 | 22.49 | 22.47 | 22.44 | | | |
| 5 | HQAM | 12 | 0 | 21.77 | 21.76 | 21.72 | 22.5 | 3 | |
| 5 | HQAM | 12 | 7 | 21.56 | 21.61 | 21.58 | | | |
| 5 | HQAM | 12 | 13 | 21.67 | 21.64 | 21.60 | | | |
| 5 | ZSSQAM | 1 | 0 | 19.64 | 19.70 | 19.56 | 20.5 | 5 | |
| 5 | ZSSQAM | 1 | 12 | 19.66 | 19.71 | 19.62 | | | |
| 5 | ZSSQAM | 1 | 24 | 19.63 | 19.71 | 19.69 | | | |
| 5 | ZSSQAM | 12 | 0 | 19.58 | 19.70 | 19.59 | 20.5 | 5 | |
| 5 | ZSSQAM | 12 | 7 | 19.49 | 19.46 | 19.47 | | | |
| 5 | ZSSQAM | 12 | 13 | 19.59 | 19.69 | 19.58 | | | |
| 5 | ZSSQAM | 25 | 0 | 19.49 | 19.50 | 19.45 | | | |

| Band 48 Main PA Ant5 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|--------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MFR (dB) |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 25.08 | 25.11 | 25.05 | 25.00 | 25.5 | 0 |
| 20 | QPSK | 1 | 49 | 25.00 | 25.03 | 24.91 | 24.99 | | |
| 20 | QPSK | 1 | 99 | 24.84 | 24.86 | 24.82 | 24.89 | | |
| 20 | QPSK | 50 | 0 | 23.98 | 24.11 | 24.08 | 23.99 | 24.5 | 1 |
| 20 | QPSK | 50 | 24 | 23.93 | 23.97 | 23.87 | 23.92 | | |
| 20 | QPSK | 100 | 0 | 23.91 | 24.00 | 23.92 | 23.93 | | |
| 20 | QPSK | 100 | 0 | 23.92 | 24.02 | 23.91 | 23.88 | | |
| 20 | HQAM | 1 | 0 | 23.84 | 23.82 | 23.74 | 23.73 | 24.5 | 1 |
| 20 | HQAM | 1 | 49 | 23.82 | 23.88 | 23.82 | 23.75 | | |
| 20 | HQAM | 1 | 99 | 23.70 | 23.83 | 23.71 | 23.70 | | |
| 20 | HQAM | 50 | 0 | 23.10 | 23.14 | 23.10 | 23.09 | 23.5 | 2 |
| 20 | HQAM | 50 | 24 | 23.07 | 23.03 | 22.97 | 22.95 | | |
| 20 | HQAM | 100 | 0 | 23.02 | 23.05 | 23.01 | 22.99 | | |
| 20 | HQAM | 100 | 0 | 22.95 | 22.96 | 22.85 | 22.85 | | |
| 20 | HQAM | 1 | 49 | 22.78 | 22.85 | 22.77 | 22.75 | 23.5 | 2 |
| 20 | HQAM | 1 | 99 | 22.67 | 22.84 | 22.80 | 22.79 | | |
| 20 | HQAM | 50 | 0 | 21.91 | 21.96 | 21.87 | 21.90 | 22.5 | 3 |
| 20 | HQAM | 50 | 24 | 21.70 | 21.81 | 21.68 | 21.68 | | |
| 20 | HQAM | 100 | 0 | 21.78 | 21.88 | 21.83 | 21.82 | | |
| 20 | HQAM | 100 | 0 | 21.79 | 21.88 | 21.74 | 21.73 | | |
| 20 | ZSSQAM | 1 | 0 | 19.92 | 19.93 | 19.84 | 19.80 | 20.5 | 5 |
| 20 | ZSSQAM | 1 | 49 | 19.73 | 19.88 | 19.73 | 19.77 | | |
| 20 | ZSSQAM | 1 | 99 | 19.72 | 19.85 | 19.68 | 19.65 | | |
| 20 | ZSSQAM | 50 | 0 | 19.85 | 19.87 | 19.82 | 19.80 | | |
| 20 | ZSSQAM | 50 | 24 | 19.70 | 19.75 | 19.72 | 19.67 | 20.5 | 5 |
| 20 | ZSSQAM | 100 | 0 | 19.78 | 19.80 | 19.75 | 19.68 | | |
| 20 | ZSSQAM | 100 | 0 | 19.84 | 19.85 | 19.79 | 19.75 | | |
| Channel | | | | | | | | | |



| Band 42 FCC Part27Q Main PA Ant6 | | | | | | | | | |
|----------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MFR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 24.73 | 24.73 | 24.88 | | | |
| 20 | QPSK | 1 | 49 | 24.65 | 24.69 | 24.81 | | 25.5 | 0 |
| 20 | QPSK | 1 | 99 | 24.68 | 24.69 | 24.69 | | | |
| 20 | QPSK | 50 | 0 | 23.65 | 23.72 | 23.64 | | | |
| 20 | QPSK | 50 | 24 | 23.67 | 23.68 | 23.35 | | 24.5 | 1 |
| 20 | QPSK | 100 | 0 | 23.51 | 23.63 | 23.54 | | | |
| 20 | HQAM | 1 | 0 | 23.63 | 23.68 | 23.52 | | 24.5 | 1 |
| 20 | HQAM | 1 | 49 | 23.63 | 23.62 | 23.48 | | | |
| 20 | HQAM | 1 | 99 | 23.34 | 23.48 | 23.40 | | | |
| 20 | HQAM | 50 | 0 | 22.58 | 22.67 | 22.57 | | | |
| 20 | HQAM | 50 | 24 | 22.58 | 22.59 | 22.30 | | 23.5 | 2 |
| 20 | HQAM | 100 | 0 | 22.43 | 22.57 | 22.48 | | | |
| 20 | HQAM | 100 | 24 | 22.40 | 22.41 | 22.40 | | 23.5 | 2 |
| 20 | HQAM | 1 | 49 | 22.29 | 22.38 | 22.35 | | | |
| 20 | HQAM | 1 | 99 | 22.39 | 22.38 | 22.26 | | | |
| 20 | HQAM | 50 | 0 | 21.63 | 21.67 | 21.60 | | | |
| 20 | HQAM | 50 | 24 | 21.45 | 21.58 | 21.53 | | 22.5 | 3 |
| 20 | HQAM | 100 | 0 | 21.49 | 21.63 | 21.68 | | | |
| 20 | HQAM | 100 | 24 | 21.45 | 21.56 | 21.49 | | | |
| 20 | ZSSQAM | 1 | 0 | 19.34 | 19.47 | 19.38 | | | |
| 20 | ZSSQAM | 1 | 49 | 19.26 | 19.40 | 19.36 | | 20.5 | 5 |
| 20 | ZSSQAM | 1 | 99 | 19.26 | 19.39 | 19.31 | | | |
| 20 | ZSSQAM | 50 | 0 | 19.28 | 19.37 | 19.32 | | | |
| 20 | ZSSQAM | 50 | 24 | 19.17 | 19.31 | 19.22 | | 20.5 | 5 |
| 20 | ZSSQAM | 100 | 0 | 19.31 | 19.37 | 19.23 | | | |
| 20 | ZSSQAM | 100 | 24 | 19.25 | 19.28 | 19.28 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 24.73 | 24.73 | 24.88 | | | |
| 15 | QPSK | 1 | 49 | 24.68 | 24.69 | 24.67 | | 25.5 | 0 |
| 15 | QPSK | 38 | 0 | 23.64 | 23.69 | 23.66 | | | |
| 15 | QPSK | 38 | 20 | 23.47 | 23.59 | 23.46 | | 24.5 | 1 |
| 15 | QPSK | 75 | 0 | 23.44 | 23.50 | 23.49 | | | |
| 15 | HQAM | 1 | 0 | 23.45 | 23.49 | 23.48 | | 24.5 | 1 |
| 15 | HQAM | 1 | 49 | 23.33 | 23.45 | 23.40 | | | |
| 15 | HQAM | 1 | 74 | 23.30 | 23.42 | 23.32 | | | |
| 15 | HQAM | 38 | 0 | 22.48 | 22.58 | 22.53 | | | |
| 15 | HQAM | 38 | 20 | 22.47 | 22.48 | 22.38 | | 23.5 | 2 |
| 15 | HQAM | 75 | 0 | 22.29 | 22.40 | 22.37 | | | |
| 15 | HQAM | 1 | 49 | 22.19 | 22.27 | 22.23 | | 23.5 | 2 |
| 15 | HQAM | 1 | 74 | 22.11 | 22.27 | 22.19 | | | |
| 15 | HQAM | 38 | 0 | 21.69 | 21.82 | 21.68 | | | |
| 15 | HQAM | 38 | 20 | 21.38 | 21.49 | 21.39 | | 22.5 | 3 |
| 15 | HQAM | 75 | 0 | 21.48 | 21.56 | 21.52 | | | |
| 15 | HQAM | 75 | 20 | 21.32 | 21.51 | 21.38 | | | |
| 15 | ZSSQAM | 1 | 0 | 19.25 | 19.34 | 19.23 | | 20.5 | 5 |
| 15 | ZSSQAM | 1 | 49 | 19.23 | 19.36 | 19.32 | | | |
| 15 | ZSSQAM | 1 | 74 | 19.16 | 19.24 | 19.18 | | | |
| 15 | ZSSQAM | 38 | 0 | 19.21 | 19.38 | 19.20 | | 20.5 | 5 |
| 15 | ZSSQAM | 38 | 20 | 19.08 | 19.27 | 19.14 | | | |
| 15 | ZSSQAM | 75 | 0 | 19.27 | 19.23 | 19.13 | | | |
| 15 | ZSSQAM | 75 | 20 | 19.13 | 19.24 | 19.22 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.68 | 24.68 | 24.64 | | | |
| 10 | QPSK | 1 | 49 | 24.54 | 24.58 | 24.51 | | 25.5 | 0 |
| 10 | QPSK | 1 | 99 | 24.52 | 24.53 | 24.56 | | | |
| 10 | QPSK | 12 | 7 | 23.69 | 23.71 | 23.66 | | | |
| 10 | QPSK | 25 | 12 | 23.54 | 23.58 | 23.47 | | 24.5 | 1 |
| 10 | QPSK | 25 | 25 | 23.51 | 23.51 | 23.46 | | | |
| 10 | QPSK | 50 | 0 | 23.38 | 23.45 | 23.39 | | | |
| 10 | HQAM | 1 | 0 | 23.49 | 23.51 | 23.39 | | 24.5 | 1 |
| 10 | HQAM | 1 | 25 | 23.38 | 23.45 | 23.34 | | | |
| 10 | HQAM | 1 | 49 | 23.28 | 23.31 | 23.30 | | | |
| 10 | HQAM | 25 | 0 | 22.54 | 22.54 | 22.51 | | | |
| 10 | HQAM | 25 | 12 | 22.48 | 22.48 | 22.39 | | 23.5 | 2 |
| 10 | HQAM | 25 | 25 | 22.40 | 22.57 | 22.41 | | | |
| 10 | HQAM | 50 | 0 | 22.34 | 22.53 | 22.42 | | | |
| 10 | HQAM | 50 | 12 | 22.30 | 22.50 | 22.34 | | | |
| 10 | HQAM | 1 | 49 | 22.22 | 22.38 | 22.32 | | 23.5 | 2 |
| 10 | HQAM | 1 | 49 | 22.05 | 22.20 | 22.19 | | | |
| 10 | HQAM | 25 | 0 | 21.65 | 21.65 | 21.60 | | | |
| 10 | HQAM | 25 | 12 | 21.35 | 21.53 | 21.45 | | 22.5 | 3 |
| 10 | HQAM | 25 | 25 | 21.43 | 21.54 | 21.52 | | | |
| 10 | HQAM | 50 | 0 | 21.60 | 21.60 | 21.40 | | | |
| 10 | ZSSQAM | 1 | 0 | 19.28 | 19.37 | 19.32 | | | |
| 10 | ZSSQAM | 1 | 25 | 19.28 | 19.41 | 19.39 | | 20.5 | 5 |
| 10 | ZSSQAM | 1 | 49 | 19.23 | 19.28 | 19.23 | | | |
| 10 | ZSSQAM | 25 | 0 | 19.23 | 19.28 | 19.24 | | | |
| 10 | ZSSQAM | 25 | 12 | 19.08 | 19.26 | 19.15 | | 20.5 | 5 |
| 10 | ZSSQAM | 25 | 25 | 19.27 | 19.27 | 19.12 | | | |
| 10 | ZSSQAM | 50 | 0 | 19.11 | 19.33 | 19.18 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.68 | 24.70 | 24.64 | | | |
| 5 | QPSK | 1 | 49 | 24.52 | 24.60 | 24.58 | | 25.5 | 0 |
| 5 | QPSK | 1 | 24 | 24.45 | 24.57 | 24.52 | | | |
| 5 | QPSK | 12 | 7 | 23.61 | 23.62 | 23.58 | | | |
| 5 | QPSK | 12 | 7 | 23.69 | 23.71 | 23.68 | | 24.5 | 1 |
| 5 | QPSK | 12 | 13 | 23.51 | 23.57 | 23.53 | | | |
| 5 | QPSK | 25 | 0 | 23.40 | 23.45 | 23.39 | | | |
| 5 | HQAM | 1 | 0 | 23.40 | 23.45 | 23.39 | | | |
| 5 | HQAM | 1 | 12 | 23.31 | 23.47 | 23.41 | | 24.5 | 1 |
| 5 | HQAM | 1 | 24 | 23.23 | 23.45 | 23.39 | | | |
| 5 | HQAM | 12 | 0 | 22.49 | 22.52 | 22.44 | | | |
| 5 | HQAM | 12 | 7 | 22.51 | 22.51 | 22.36 | | 23.5 | 2 |
| 5 | HQAM | 12 | 13 | 22.47 | 22.54 | 22.45 | | | |
| 5 | HQAM | 25 | 0 | 22.29 | 22.43 | 22.40 | | | |
| 5 | HQAM | 25 | 0 | 22.28 | 22.41 | 22.29 | | 23.5 | 2 |
| 5 | HQAM | 1 | 12 | 22.02 | 22.20 | 22.20 | | | |
| 5 | HQAM | 1 | 24 | 22.10 | 22.20 | 22.13 | | | |
| 5 | HQAM | 12 | 0 | 21.68 | 21.68 | 21.66 | | | |
| 5 | HQAM | 12 | 7 | 21.32 | 21.48 | 21.38 | | 22.5 | 3 |
| 5 | HQAM | 12 | 13 | 21.44 | 21.50 | 21.44 | | | |
| 5 | HQAM | 25 | 0 | 21.32 | 21.47 | 21.40 | | | |
| 5 | ZSSQAM | 1 | 0 | 19.29 | 19.30 | 19.25 | | 20.5 | 5 |
| 5 | ZSSQAM | 1 | 12 | 19.27 | 19.37 | 19.33 | | | |
| 5 | ZSSQAM | 1 | 24 | 19.19 | 19.31 | 19.19 | | | |
| 5 | ZSSQAM | 12 | 0 | 19.28 | 19.29 | 19.26 | | | |
| 5 | ZSSQAM | 12 | 7 | 19.04 | 19.17 | 19.18 | | 20.5 | 5 |
| 5 | ZSSQAM | 12 | 13 | 19.27 | 19.26 | 19.16 | | | |
| 5 | ZSSQAM | 25 | 0 | 19.19 | 19.31 | 19.14 | | | |

| Band 48 Main PA Ant6 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|--------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MFR (dB) |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 24.80 | 24.80 | 24.78 | | | |
| 20 | QPSK | 1 | 49 | 24.79 | 24.75 | 24.69 | | 25.5 | 0 |
| 20 | QPSK | 1 | 99 | 24.67 | 24.74 | 24.68 | | | |
| 20 | QPSK | 50 | 0 | 23.71 | 23.83 | 23.75 | | | |
| 20 | QPSK | 50 | 24 | 23.72 | 23.74 | 23.68 | | 24.5 | 1 |
| 20 | QPSK | 100 | 0 | 23.67 | 23.88 | 23.81 | | | |
| 20 | QPSK | 100 | 0 | 23.64 | 23.72 | 23.59 | | 24.5 | 1 |
| 20 | HQAM | 1 | 0 | 23.84 | 23.88 | 23.59 | | 24.5 | 1 |
| 20 | HQAM | 1 | 49 | 23.98 | 23.88 | 23.57 | | | |
| 20 | HQAM | 1 | 99 | 23.44 | 23.83 | 23.46 | | | |
| 20 | HQAM | 50 | 0 | 22.72 | 22.83 | 22.70 | | | |
| 20 | HQAM | 50 | 24 | 22.93 | 22.85 | 22.63 | | 23.5 | 2 |
| 20 | HQAM | 50 | 50 | 22.83 | 22.79 | 22.65 | | | |
| 20 | HQAM | 100 | 0 | 22.57 | 22.86 | 22.59 | | | |
| 20 | HQAM | 100 | 0 | 22.55 | 22.55 | 22.45 | | 23.5 | 2 |
| 20 | HQAM | 1 | 49 | 22.39 | 22.43 | 22.43 | | | |
| 20 | HQAM | 1 | 99 | 22.28 | 22.44 | 22.37 | | | |
| 20 | HQAM | 50 | 0 | 21.77 | 21.76 | 21.67 | | | |
| 20 | HQAM | 50 | 24 | 21.54 | 21.68 | 21.70 | | 22.5 | 3 |
| 20 | HQAM | 50 | 50 | 21.61 | 21.78 | 21.72 | | | |
| 20 | HQAM | 100 | 0 | 21.58 | 21.63 | 21.66 | | | |
| 20 | ZSSQAM | 1 | 0 | 19.48 | 19.58 | 19.44 | | 20.5 | 5 |
| 20 | ZSSQAM | 1 | 49 | 19.48 | 19.58 | 19.48 | | | |
| 20 | ZSSQAM | 1 | 99 | 19.38 | 19.44 | 19.34 | | | |
| 20 | ZSSQAM | 50 | 0 | 19.43 | 19.54 | 19.48 | | | |
| 20 | ZSSQAM | 50 | 24 | 19.26 | 19.37 | 19.38 | | 20.5 | 5 |
| 20 | ZSSQAM | 50 | 50 | 19.48 | 19.48 | 19.31 | | | |
| 20 | ZSSQAM | 100 | 0 | 19.35 | 19.48 | 19.43 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 24.73 | 24.73 | 24.88 | | | |
| 15 | QPSK | 1 | 49 | 24.68 | 24.68 | 24.61 | | 25.5 | 0 |
| 15 | QPSK | 1 | 74 | 24.57 | 24.66 | 24.54 | | | |
| 15 | QPSK | 38 | 0 | 23.63 | 23.77 | 23.71 | | | |
| 15 | QPSK | 38 | 20 | 23.64 | 23.69 | 23.56 | | 24.5 | 1 |
| 15 | QPSK | 75 | 0 | 23.58 | 23.68 | 23.61 | | | |
| 15 | QPSK | 75 | 0 | 23.56 | 23.57 | 23.51 | | | |
| 15 | HQAM | 1 | 0 | 23.51 | 23.59 | 23.55 | | 24.5 | 1 |
| 15 | HQAM | 1 | 37 | 23.52 | 23.58 | 23.52 | | | |
| 15 | HQAM | 1 | 74 | 23.34 | 23.50 | 23.35 | | | |
| 15 | HQAM | 38 | 0 | 22.64 | 22.72 | 22.61 | | | |
| 15 | HQAM | 38 | 20 | 22.62 | 22.61 | 22.51 | | 23.5 | 2 |
| 15 | HQAM | 38 | 59 | 22.57 | 22.74 | 22.53 | | | |
| 15 | HQAM | 75 | 0 | 22.44 | 22.55 | 22.48 | | | |
| 15 | HQAM | 75 | 0 | 22.44 | 22.51 | 22.39 | | 23.5 | 2 |
| 15 | HQAM | 1 | 37 | 22.31 | 22.35 | 22.26 | | | |
| 15 | HQAM | 1 | 74 | 22.16 | 22.39 | 22.30 | | | |
| 15 | HQAM | 38 | 0 | 21.63 | 21.71 | 21.64 | | | |
| 15 | HQAM | 38 | 20 | 21.45 | 21.57 | 21.58 | | 22.5 | 3 |
| 15 | HQAM | 75 | | | | | | | |



| Band 42 FCC Part27Q Mian PA Ant7 | | | | | | | | | |
|----------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42160 | 42590 | 42990 | | | |
| 20 | QPSK | 1 | 0 | 23.52 | 23.52 | 23.48 | 24.5 | 0 | |
| 20 | QPSK | 1 | 49 | 23.52 | 23.44 | 23.38 | | | |
| 20 | QPSK | 1 | 99 | 23.38 | 23.40 | 23.36 | | | |
| 20 | QPSK | 50 | 0 | 22.45 | 22.50 | 22.40 | | | |
| 20 | QPSK | 50 | 24 | 22.37 | 22.48 | 22.43 | 23.5 | 1 | |
| 20 | QPSK | 50 | 49 | 22.20 | 22.31 | 22.25 | | | |
| 20 | QPSK | 100 | 0 | 22.28 | 22.31 | 22.25 | | | |
| 20 | HQAM | 1 | 0 | 22.28 | 22.37 | 22.33 | 23.5 | 1 | |
| 20 | HQAM | 1 | 49 | 22.20 | 22.31 | 22.19 | | | |
| 20 | HQAM | 1 | 99 | 22.13 | 22.25 | 22.12 | | | |
| 20 | HQAM | 50 | 0 | 21.40 | 21.36 | 21.46 | | | |
| 20 | HQAM | 50 | 24 | 21.32 | 21.40 | 21.36 | 22.5 | 2 | |
| 20 | HQAM | 50 | 50 | 21.24 | 21.40 | 21.39 | | | |
| 20 | HQAM | 100 | 0 | 21.27 | 21.36 | 21.25 | | | |
| 20 | HQAM | 100 | 0 | 21.25 | 21.42 | 21.33 | | | |
| 20 | HQAM | 1 | 49 | 21.27 | 21.35 | 21.28 | 22.5 | 2 | |
| 20 | HQAM | 1 | 99 | 21.18 | 21.25 | 21.12 | | | |
| 20 | HQAM | 50 | 0 | 20.41 | 20.50 | 20.43 | | | |
| 20 | HQAM | 50 | 24 | 20.35 | 20.38 | 20.28 | 21.5 | 3 | |
| 20 | HQAM | 50 | 50 | 20.32 | 20.45 | 20.33 | | | |
| 20 | HQAM | 100 | 0 | 20.48 | 20.35 | 20.28 | | | |
| 20 | ZSSBAM | 1 | 0 | 18.24 | 18.26 | 18.35 | | | |
| 20 | ZSSBAM | 1 | 49 | 18.27 | 18.30 | 18.27 | 19.5 | 5 | |
| 20 | ZSSBAM | 1 | 99 | 18.24 | 18.20 | 18.25 | | | |
| 20 | ZSSBAM | 50 | 0 | 18.28 | 18.26 | 18.28 | | | |
| 20 | ZSSBAM | 50 | 24 | 18.09 | 18.22 | 18.16 | 19.5 | 5 | |
| 20 | ZSSBAM | 50 | 50 | 18.06 | 18.19 | 18.10 | | | |
| 20 | ZSSBAM | 100 | 0 | 18.09 | 18.20 | 18.14 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42160 | 42590 | 42990 | Tune-up Int. (dBm) | MPR (dB) | |
| 15 | QPSK | 1 | 0 | 23.44 | 23.50 | 23.43 | 24.5 | 0 | |
| 15 | QPSK | 1 | 47 | 23.28 | 23.32 | 23.32 | | | |
| 15 | QPSK | 1 | 74 | 23.22 | 23.30 | 23.24 | | | |
| 15 | QPSK | 36 | 0 | 22.41 | 22.30 | 22.30 | | | |
| 15 | QPSK | 36 | 20 | 22.28 | 22.30 | 22.35 | 23.5 | 1 | |
| 15 | QPSK | 75 | 0 | 22.24 | 22.32 | 22.28 | | | |
| 15 | HQAM | 1 | 0 | 22.25 | 22.29 | 22.25 | 23.5 | 1 | |
| 15 | HQAM | 1 | 47 | 22.07 | 22.15 | 22.03 | | | |
| 15 | HQAM | 36 | 0 | 21.31 | 21.37 | 21.37 | 22.5 | 2 | |
| 15 | HQAM | 36 | 20 | 21.29 | 21.30 | 21.29 | | | |
| 15 | HQAM | 36 | 59 | 21.21 | 21.34 | 21.31 | | | |
| 15 | HQAM | 75 | 0 | 21.14 | 21.21 | 21.15 | | | |
| 15 | HQAM | 1 | 0 | 21.24 | 21.29 | 21.22 | 22.5 | 2 | |
| 15 | HQAM | 1 | 47 | 21.18 | 21.32 | 21.15 | | | |
| 15 | HQAM | 1 | 74 | 21.11 | 21.22 | 21.09 | | | |
| 15 | HQAM | 36 | 0 | 20.33 | 20.42 | 20.38 | 21.5 | 3 | |
| 15 | HQAM | 36 | 20 | 20.25 | 20.29 | 20.22 | | | |
| 15 | HQAM | 36 | 59 | 20.28 | 20.35 | 20.28 | | | |
| 15 | HQAM | 75 | 0 | 20.15 | 20.22 | 20.22 | | | |
| 15 | ZSSBAM | 1 | 0 | 18.17 | 18.28 | 18.23 | 19.5 | 5 | |
| 15 | ZSSBAM | 1 | 47 | 18.17 | 18.18 | 18.16 | | | |
| 15 | ZSSBAM | 1 | 74 | 18.13 | 18.10 | 18.17 | | | |
| 15 | ZSSBAM | 36 | 0 | 18.20 | 18.27 | 18.18 | 19.5 | 5 | |
| 15 | ZSSBAM | 36 | 20 | 17.98 | 18.00 | 18.02 | | | |
| 15 | ZSSBAM | 36 | 59 | 17.98 | 18.13 | 18.07 | | | |
| 15 | ZSSBAM | 75 | 0 | 18.14 | 18.10 | 18.03 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42160 | 42590 | 42990 | Tune-up Int. (dBm) | MPR (dB) | |
| 10 | QPSK | 1 | 0 | 23.44 | 23.44 | 23.34 | 24.5 | 0 | |
| 10 | QPSK | 1 | 25 | 23.18 | 23.29 | 23.20 | | | |
| 10 | QPSK | 1 | 49 | 23.31 | 23.32 | 23.33 | | | |
| 10 | QPSK | 12 | 0 | 22.33 | 22.40 | 22.36 | | | |
| 10 | QPSK | 25 | 12 | 22.28 | 22.42 | 22.35 | 23.5 | 1 | |
| 10 | QPSK | 25 | 25 | 22.18 | 22.29 | 22.13 | | | |
| 10 | QPSK | 50 | 0 | 22.23 | 22.20 | 22.18 | | | |
| 10 | HQAM | 1 | 0 | 22.17 | 22.33 | 22.28 | 23.5 | 1 | |
| 10 | HQAM | 1 | 25 | 22.11 | 22.16 | 22.12 | | | |
| 10 | HQAM | 1 | 49 | 22.00 | 22.11 | 21.98 | | | |
| 10 | HQAM | 25 | 0 | 21.31 | 21.40 | 21.38 | 22.5 | 2 | |
| 10 | HQAM | 25 | 12 | 21.27 | 21.40 | 21.21 | | | |
| 10 | HQAM | 25 | 25 | 21.21 | 21.44 | 21.20 | | | |
| 10 | HQAM | 50 | 0 | 21.24 | 21.31 | 21.28 | 22.5 | 2 | |
| 10 | HQAM | 1 | 49 | 21.09 | 21.17 | 21.08 | 22.5 | 2 | |
| 10 | HQAM | 25 | 0 | 20.33 | 20.37 | 20.40 | | | |
| 10 | HQAM | 25 | 12 | 20.32 | 20.33 | 20.12 | 21.5 | 3 | |
| 10 | HQAM | 25 | 25 | 20.22 | 20.33 | 20.28 | | | |
| 10 | HQAM | 50 | 0 | 20.15 | 20.25 | 20.18 | | | |
| 10 | ZSSBAM | 1 | 0 | 18.16 | 18.20 | 18.20 | 19.5 | 5 | |
| 10 | ZSSBAM | 1 | 25 | 18.21 | 18.16 | 18.09 | | | |
| 10 | ZSSBAM | 1 | 49 | 18.20 | 18.20 | 18.13 | | | |
| 10 | ZSSBAM | 25 | 0 | 18.16 | 18.19 | 18.18 | 19.5 | 5 | |
| 10 | ZSSBAM | 25 | 12 | 18.04 | 18.15 | 18.07 | | | |
| 10 | ZSSBAM | 25 | 25 | 18.01 | 18.15 | 18.00 | | | |
| 10 | ZSSBAM | 50 | 0 | 17.97 | 18.16 | 18.09 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3453.5 | 3500 | 3547.5 | Tune-up Int. (dBm) | MPR (dB) | |
| 5 | QPSK | 1 | 0 | 23.45 | 23.45 | 23.35 | 24.5 | 0 | |
| 5 | QPSK | 1 | 24 | 23.19 | 23.31 | 23.31 | | | |
| 5 | QPSK | 1 | 24 | 23.29 | 23.30 | 23.28 | | | |
| 5 | QPSK | 12 | 0 | 22.33 | 22.40 | 22.36 | | | |
| 5 | QPSK | 12 | 7 | 22.29 | 22.45 | 22.38 | 23.5 | 1 | |
| 5 | QPSK | 12 | 13 | 22.28 | 22.29 | 22.19 | | | |
| 5 | QPSK | 25 | 0 | 22.25 | 22.25 | 22.17 | | | |
| 5 | HQAM | 1 | 0 | 22.23 | 22.30 | 22.23 | 23.5 | 1 | |
| 5 | HQAM | 1 | 12 | 22.16 | 22.26 | 22.14 | | | |
| 5 | HQAM | 1 | 24 | 22.01 | 22.10 | 22.06 | | | |
| 5 | HQAM | 12 | 0 | 21.36 | 21.40 | 21.41 | 22.5 | 2 | |
| 5 | HQAM | 12 | 7 | 21.24 | 21.33 | 21.22 | | | |
| 5 | HQAM | 12 | 31 | 21.28 | 21.30 | 21.26 | | | |
| 5 | HQAM | 25 | 0 | 21.09 | 21.30 | 21.17 | 22.5 | 2 | |
| 5 | HQAM | 1 | 0 | 21.28 | 21.28 | 21.28 | 22.5 | 2 | |
| 5 | HQAM | 1 | 12 | 21.16 | 21.24 | 21.11 | | | |
| 5 | HQAM | 1 | 24 | 21.02 | 21.21 | 21.00 | | | |
| 5 | HQAM | 12 | 0 | 20.34 | 20.37 | 20.29 | 21.5 | 3 | |
| 5 | HQAM | 12 | 7 | 20.20 | 20.24 | 20.21 | | | |
| 5 | HQAM | 12 | 13 | 20.28 | 20.40 | 20.20 | | | |
| 5 | HQAM | 25 | 0 | 20.13 | 20.26 | 20.17 | | | |
| 5 | ZSSBAM | 1 | 0 | 18.10 | 18.32 | 18.23 | 19.5 | 5 | |
| 5 | ZSSBAM | 1 | 12 | 18.16 | 18.18 | 18.09 | | | |
| 5 | ZSSBAM | 1 | 24 | 18.18 | 18.21 | 18.11 | | | |
| 5 | ZSSBAM | 12 | 0 | 18.17 | 18.27 | 18.16 | 19.5 | 5 | |
| 5 | ZSSBAM | 12 | 7 | 18.01 | 18.16 | 18.10 | | | |
| 5 | ZSSBAM | 12 | 31 | 17.93 | 18.11 | 17.99 | | | |
| 5 | ZSSBAM | 25 | 0 | 18.15 | 18.29 | 18.18 | | | |

| Band 48 Main PA Ant7 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|--------------------|--------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MPR (dB) | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56830 | 56950 | 56410 | 56920 | | |
| 20 | QPSK | 1 | 0 | 23.60 | 23.57 | 23.51 | 23.53 | 23.52 | 24.5 | 0 |
| 20 | QPSK | 1 | 49 | 23.45 | 23.54 | 23.42 | 23.52 | 23.52 | | |
| 20 | QPSK | 1 | 99 | 23.43 | 23.55 | 23.38 | 23.48 | 23.48 | | |
| 20 | QPSK | 50 | 0 | 22.55 | 22.62 | 22.54 | 22.53 | 22.53 | 23.5 | 1 |
| 20 | QPSK | 50 | 24 | 22.51 | 22.54 | 22.45 | 22.52 | 22.52 | | |
| 20 | QPSK | 50 | 49 | 22.43 | 22.48 | 22.38 | 22.34 | 22.34 | | |
| 20 | QPSK | 100 | 0 | 22.33 | 22.53 | 22.48 | 22.36 | 22.36 | | |
| 20 | HQAM | 1 | 0 | 22.45 | 22.45 | 22.36 | 22.44 | 22.44 | 23.5 | 1 |
| 20 | HQAM | 1 | 49 | 22.31 | 22.48 | 22.41 | 22.33 | 22.33 | | |
| 20 | HQAM | 1 | 99 | 22.28 | 22.38 | 22.31 | 22.28 | 22.28 | | |
| 20 | HQAM | 50 | 0 | 21.34 | 21.58 | 21.45 | 21.38 | 21.38 | 22.5 | 2 |
| 20 | HQAM | 50 | 24 | 21.44 | 21.61 | 21.50 | 21.46 | 21.46 | | |
| 20 | HQAM | 50 | 50 | 21.49 | 21.64 | 21.50 | 21.51 | 21.51 | | |
| 20 | HQAM | 100 | 0 | 21.52 | 21.56 | 21.41 | 21.41 | 21.41 | | |
| 20 | HQAM | 100 | 0 | 21.50 | 21.57 | 21.45 | 21.41 | 21.41 | | |
| 20 | HQAM | 1 | 49 | 21.35 | 21.43 | 21.39 | 21.33 | 21.33 | 22.5 | 2 |
| 20 | HQAM | 1 | 99 | 21.33 | 21.42 | 21.30 | 21.28 | 21.28 | | |
| 20 | HQAM | 50 | 0 | 20.48 | 20.64 | 20.51 | 20.55 | 20.55 | | |
| 20 | HQAM | 50 | 24 | 20.51 | 20.49 | 20.38 | 20.32 | 20.32 | 21.5 | 3 |
| 20 | HQAM | 50 | 50 | 20.49 | 20.57 | 20.48 | 20.48 | 20.48 | | |
| 20 | HQAM | 100 | 0 | 20.41 | 20.42 | 20.31 | 20.37 | 20.37 | | |
| 20 | ZSSBAM | 1 | 0 | 18.32 | 18.47 | 18.38 | 18.41 | 18.41 | 19.5 | 5 |
| 20 | ZSSBAM | 1 | 49 | 18.36 | 18.38 | 18.29 | 18.25 | 18.25 | | |
| 20 | ZSSBAM | 1 | 99 | 18.33 | 18.36 | 18.24 | 18.36 | 18.36 | | |
| 20 | ZSSBAM | 50 | 0 | 18.40 | 18.45 | 18.37 | 18.42 | 18.42 | | |
| 20 | ZSSBAM | 50 | 24 | 18.15 | 18.29 | 18.26 | 18.22 | 18.22 | 19.5 | 5 |
| 20 | ZSSBAM | 50 | 50 | 18.19 | 18.31 | 18.27 | 18.18 | 18.18 | | |
| 20 | ZSSBAM | 100 | 0 | 18.25 | 18.35 | 18.29 | 18.25 | 18.25 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56830 | 56950 | 56410 | 56920 | Tune-up Int. (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 0 | 23.17 | 23.17 | 23.43 | 23.42 | 23.42 | 24.5 | 0 |
| 15 | QPSK | 1 | 37 | 23.39 | 23.49 | 23.38 | 23.42 | 23.42 | | |
| 15 | QPSK | 1 | 74 | 23.32 | 23.42 | 23.29 | 23.37 | 23.37 | | |
| 15 | QPSK | 36 | 0 | 22.45 | 22.48 | 22.42 | 22.46 | 22.46 | | |
| 15 | QPSK | 36 | 20 | 22.37 | 22.42 | 22.42 | 22.42 | | | |



DSI 0 Power for WWAN Main PA

| GSM850 Ant0 Default | | | | | | | | |
|---|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| GSM850 TX Channel Frequency (MHz) | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| | 824.2 | 836.4 | 848.8 | 34.00 | 824.2 | 836.4 | 848.8 | 25.00 |
| GSM 1 Tx slot | 32.93 | 33.09 | 33.05 | 34.00 | 23.93 | 24.09 | 24.05 | 25.00 |
| GPRS 1 Tx slot | 32.97 | 33.13 | 33.07 | 34.00 | 23.97 | 24.13 | 24.07 | 25.00 |
| GPRS 2 Tx slots | 30.09 | 30.12 | 30.04 | 31.00 | 24.09 | 24.12 | 24.04 | 25.00 |
| GPRS 3 Tx slots | 28.23 | 28.34 | 28.19 | 29.20 | 23.97 | 24.08 | 23.93 | 24.94 |
| GPRS 4 Tx slots | 26.91 | 26.95 | 26.88 | 28.00 | 23.91 | 23.95 | 23.88 | 25.00 |
| EDGE 1 Tx slot | 27.01 | 27.13 | 27.08 | 28.00 | 18.01 | 18.13 | 18.08 | 19.00 |
| EDGE 2 Tx slots | 24.17 | 24.25 | 24.10 | 25.00 | 18.17 | 18.25 | 18.10 | 19.00 |
| EDGE 3 Tx slots | 22.31 | 22.41 | 22.28 | 23.20 | 18.05 | 18.15 | 18.02 | 18.94 |
| EDGE 4 Tx slots | 21.12 | 21.17 | 21.04 | 22.00 | 18.12 | 18.17 | 18.04 | 19.00 |

| WCDMA V Ant0 Default | | | | |
|---|---------|-------|-------|---------------------------|
| Band TX Channel Rx Channel Frequency (MHz) | WCDMA V | | | Tune-up Limit (dBm) |
| | 4132 | 4182 | 4233 | |
| | 4367 | 4407 | 4458 | |
| | 826.4 | 836.4 | 846.6 | |
| 3GPP Rel 99 AMR 12.2kbps | 23.98 | 24.11 | 24.08 | 25.00 |
| 3GPP Rel 99 RMC 12.2kbps | 24.04 | 24.16 | 24.13 | 25.00 |
| 3GPP Rel 6 HSDPA Subtest-1 | 23.15 | 23.15 | 23.11 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-2 | 23.09 | 23.15 | 23.07 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-3 | 22.54 | 22.69 | 22.61 | 23.50 |
| 3GPP Rel 6 HSDPA Subtest-4 | 22.96 | 22.63 | 22.57 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 23.03 | 23.14 | 23.10 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 23.04 | 23.14 | 23.06 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 22.45 | 22.60 | 22.53 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 22.43 | 22.56 | 22.50 | 23.50 |
| 3GPP Rel 6 HSUPA Subtest-1 | 22.98 | 23.03 | 23.05 | 24.00 |
| 3GPP Rel 6 HSUPA Subtest-2 | 21.08 | 21.21 | 21.06 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-3 | 22.09 | 22.26 | 22.21 | 23.00 |
| 3GPP Rel 6 HSUPA Subtest-4 | 21.06 | 21.11 | 21.03 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-5 | 23.02 | 23.11 | 23.05 | 24.00 |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 20.57 | 20.76 | 20.64 | 21.50 |



| Band 5 Main PA Ant0 | | | | | | | | | | |
|---------------------|------------|---------|-----------|----------------------|-----------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power Mid Ch / Freq. | Turn-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.45 | 24.56 | 24.50 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 24.45 | 24.48 | 24.43 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.35 | 24.52 | 24.34 | 25.5 | 0 | | |
| 10 | QPSK | 25 | 0 | 23.48 | 23.59 | 23.54 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 23.43 | 23.47 | 23.50 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.50 | 23.40 | 24.5 | 1 | | |
| 10 | QPSK | 50 | 0 | 23.43 | 23.54 | 23.47 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 23.79 | 23.84 | 23.79 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 23.72 | 23.71 | 23.68 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 23.68 | 23.73 | 23.69 | 24.5 | 1 | | |
| 10 | 16QAM | 25 | 0 | 22.39 | 22.52 | 22.41 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 22.37 | 22.48 | 22.33 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 22.36 | 22.44 | 22.34 | 23.5 | 2 | | |
| 10 | 16QAM | 50 | 0 | 22.30 | 22.46 | 22.31 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 0 | 22.69 | 22.68 | 22.58 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 22.49 | 22.69 | 22.61 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 22.51 | 22.67 | 22.44 | 23.5 | 2 | | |
| 10 | 64QAM | 25 | 0 | 21.38 | 21.46 | 21.39 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 21.52 | 21.48 | 21.38 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 21.28 | 21.57 | 21.38 | 22.5 | 3 | | |
| 10 | 256QAM | 1 | 0 | 19.44 | 19.56 | 19.41 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 19.38 | 19.56 | 19.43 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 19.38 | 19.56 | 19.44 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 0 | 19.28 | 19.36 | 19.27 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 19.24 | 19.49 | 19.24 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 19.34 | 19.40 | 19.34 | 20.5 | 5 | | |
| 10 | 256QAM | 50 | 0 | 19.43 | 19.49 | 19.43 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.32 | 24.52 | 24.41 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 24.31 | 24.43 | 24.40 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 24.29 | 24.40 | 24.22 | 25.5 | 0 | | |
| 5 | QPSK | 12 | 0 | 23.36 | 23.53 | 23.45 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 23.39 | 23.36 | 23.38 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 23.20 | 23.37 | 23.26 | 24.5 | 1 | | |
| 5 | QPSK | 25 | 0 | 23.36 | 23.48 | 23.38 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 23.76 | 23.79 | 23.72 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 23.69 | 23.80 | 23.54 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 23.58 | 23.81 | 23.61 | 24.5 | 1 | | |
| 5 | 16QAM | 12 | 0 | 22.29 | 22.44 | 22.52 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 22.27 | 22.39 | 22.27 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 22.35 | 22.37 | 22.27 | 23.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 22.27 | 22.38 | 22.20 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 0 | 22.48 | 22.81 | 22.53 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 22.46 | 22.81 | 22.48 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 22.44 | 22.82 | 22.35 | 23.5 | 2 | | |
| 5 | 64QAM | 12 | 0 | 21.33 | 21.34 | 21.53 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 21.38 | 21.41 | 21.28 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 21.19 | 21.25 | 21.25 | 22.5 | 3 | | |
| 5 | 64QAM | 25 | 0 | 21.14 | 21.48 | 21.14 | 22.5 | 3 | | |
| 5 | 256QAM | 1 | 0 | 19.38 | 19.51 | 19.28 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.57 | 19.31 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.51 | 19.36 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 0 | 19.28 | 19.36 | 19.27 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 19.20 | 19.34 | 19.19 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 19.31 | 19.29 | 19.27 | 20.5 | 5 | | |
| 5 | 256QAM | 25 | 0 | 19.33 | 19.43 | 19.29 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.17 | 24.59 | 24.47 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 24.35 | 24.43 | 24.29 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 24.22 | 24.45 | 24.29 | 25.5 | 0 | | |
| 3 | QPSK | 8 | 0 | 23.37 | 23.51 | 23.41 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 23.35 | 23.38 | 23.41 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 23.26 | 23.47 | 23.26 | 24.5 | 1 | | |
| 3 | QPSK | 16 | 0 | 23.38 | 23.44 | 23.38 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 0 | 23.70 | 23.71 | 23.68 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 23.68 | 23.68 | 23.64 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 14 | 23.60 | 23.69 | 23.62 | 24.5 | 1 | | |
| 3 | 16QAM | 8 | 0 | 22.28 | 22.42 | 22.37 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 4 | 22.32 | 22.42 | 22.20 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 7 | 22.30 | 22.38 | 22.24 | 23.5 | 2 | | |
| 3 | 16QAM | 15 | 0 | 22.17 | 22.34 | 22.17 | 23.5 | 2 | | |
| 3 | 64QAM | 1 | 0 | 22.66 | 22.83 | 22.63 | 23.5 | 2 | | |
| 3 | 64QAM | 1 | 8 | 22.44 | 22.84 | 22.40 | 23.5 | 2 | | |
| 3 | 64QAM | 1 | 14 | 22.44 | 22.95 | 22.40 | 23.5 | 2 | | |
| 3 | 64QAM | 8 | 0 | 21.25 | 21.41 | 21.36 | 22.5 | 3 | | |
| 3 | 64QAM | 8 | 4 | 21.24 | 21.36 | 21.15 | 22.5 | 3 | | |
| 3 | 64QAM | 8 | 7 | 21.17 | 21.27 | 21.27 | 22.5 | 3 | | |
| 3 | 256QAM | 1 | 0 | 19.35 | 19.47 | 19.28 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 8 | 19.27 | 19.54 | 19.33 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 14 | 19.34 | 19.43 | 19.33 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 0 | 19.27 | 19.32 | 19.22 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 4 | 19.12 | 19.39 | 19.18 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 7 | 19.30 | 19.36 | 19.30 | 20.5 | 5 | | |
| 3 | 256QAM | 15 | 0 | 19.35 | 19.46 | 19.35 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.34 | 24.42 | 24.43 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 24.30 | 24.41 | 24.37 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 5 | 24.31 | 24.48 | 24.26 | 25.5 | 0 | | |
| 1.4 | QPSK | 3 | 0 | 24.38 | 24.42 | 24.27 | 25.5 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 24.36 | 24.41 | 24.36 | 25.5 | 0 | | |
| 1.4 | QPSK | 3 | 3 | 24.20 | 24.45 | 24.23 | 24.5 | 1 | | |
| 1.4 | QPSK | 6 | 0 | 23.42 | 23.50 | 23.41 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 0 | 23.39 | 23.39 | 23.35 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 3 | 23.21 | 23.40 | 23.35 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 5 | 23.38 | 23.39 | 23.32 | 24.5 | 1 | | |
| 1.4 | 16QAM | 3 | 0 | 23.72 | 23.76 | 23.70 | 24.5 | 1 | | |
| 1.4 | 16QAM | 3 | 1 | 23.66 | 23.67 | 23.64 | 24.5 | 1 | | |
| 1.4 | 16QAM | 3 | 3 | 23.62 | 23.67 | 23.63 | 24.5 | 1 | | |
| 1.4 | 16QAM | 6 | 0 | 22.24 | 22.46 | 22.38 | 23.5 | 2 | | |
| 1.4 | 16QAM | 1 | 0 | 22.28 | 22.36 | 22.26 | 23.5 | 2 | | |
| 1.4 | 16QAM | 1 | 3 | 22.29 | 22.36 | 22.28 | 23.5 | 2 | | |
| 1.4 | 64QAM | 1 | 5 | 22.26 | 22.38 | 22.23 | 23.5 | 2 | | |
| 1.4 | 64QAM | 3 | 0 | 22.46 | 22.60 | 22.44 | 23.5 | 2 | | |
| 1.4 | 64QAM | 3 | 1 | 22.41 | 22.61 | 22.45 | 23.5 | 2 | | |
| 1.4 | 64QAM | 3 | 3 | 22.39 | 22.60 | 22.34 | 23.5 | 2 | | |
| 1.4 | 256QAM | 1 | 0 | 21.26 | 21.34 | 21.29 | 22.5 | 3 | | |
| 1.4 | 256QAM | 1 | 0 | 19.32 | 19.49 | 19.27 | 20.5 | 5 | | |
| 1.4 | 256QAM | 1 | 3 | 19.28 | 19.49 | 19.27 | 20.5 | 5 | | |
| 1.4 | 256QAM | 1 | 5 | 19.34 | 19.46 | 19.29 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 0 | 19.23 | 19.34 | 19.27 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 1 | 19.17 | 19.35 | 19.11 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 3 | 19.29 | 19.39 | 19.21 | 20.5 | 5 | | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.26 | 20.5 | 5 | | |

| Band 13 Main PA Ant0 | | | | | | | | | | |
|----------------------|------------|---------|-----------|----------------------|-----------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power Mid Ch / Freq. | Turn-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.64 | 24.64 | 24.64 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 24.59 | 24.59 | 24.59 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.52 | 24.52 | 24.52 | 25.5 | 0 | | |
| 10 | QPSK | 25 | 0 | 23.96 | 23.96 | 23.96 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 23.91 | 23.91 | 23.91 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.77 | 23.77 | 23.77 | 24.5 | 1 | | |
| 10 | QPSK | 50 | 0 | 23.90 | 23.90 | 23.90 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 23.86 | 23.86 | 23.86 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 23.81 | 23.81 | 23.81 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 23.78 | 23.78 | 23.78 | 24.5 | 1 | | |
| 10 | 16QAM | 25 | 0 | 22.77 | 22.77 | 22.77 | 23.5 | 2 | | |
| 10 | 16QAM | | | | | | | | | |



| Band 26 Main PA Ant0 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|--------------------|----------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Turn-up limit (dB) | APR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 821.5 | 831.8 | 841.5 | | | |
| 15 | QPSK | 1 | 0 | 24.52 | 24.58 | 24.49 | | | |
| 15 | QPSK | 1 | 31 | 24.42 | 24.48 | 24.43 | 25.5 | 0 | |
| 15 | QPSK | 1 | 74 | 24.41 | 24.53 | 24.47 | | | |
| 15 | QPSK | 36 | 0 | 23.48 | 23.63 | 23.52 | | | |
| 15 | QPSK | 36 | 20 | 23.43 | 23.55 | 23.51 | 24.5 | 1 | |
| 15 | QPSK | 36 | 39 | 23.52 | 23.60 | 23.51 | | | |
| 15 | QPSK | 75 | 0 | 23.54 | 23.57 | 23.47 | | | |
| 15 | 16QAM | 1 | 0 | 23.48 | 23.56 | 23.45 | | | |
| 15 | 16QAM | 1 | 37 | 23.35 | 23.51 | 23.37 | 24.5 | 1 | |
| 15 | 16QAM | 1 | 74 | 23.42 | 23.54 | 23.47 | | | |
| 15 | 16QAM | 36 | 0 | 22.42 | 22.47 | 22.42 | | | |
| 15 | 16QAM | 36 | 20 | 22.45 | 22.50 | 22.52 | 23.5 | 2 | |
| 15 | 16QAM | 36 | 39 | 22.53 | 22.57 | 22.43 | | | |
| 15 | 16QAM | 75 | 0 | 22.50 | 22.54 | 22.49 | | | |
| 15 | 64QAM | 1 | 0 | 22.59 | 22.70 | 22.58 | | | |
| 15 | 64QAM | 1 | 37 | 22.63 | 22.68 | 22.54 | 23.5 | 2 | |
| 15 | 64QAM | 1 | 74 | 22.60 | 22.66 | 22.50 | | | |
| 15 | 64QAM | 36 | 0 | 21.25 | 21.37 | 21.34 | | | |
| 15 | 64QAM | 36 | 20 | 21.41 | 21.55 | 21.43 | 22.5 | 3 | |
| 15 | 64QAM | 36 | 39 | 21.45 | 21.53 | 21.44 | | | |
| 15 | 64QAM | 75 | 0 | 21.41 | 21.54 | 21.43 | | | |
| 15 | 256QAM | 1 | 0 | 19.58 | 19.69 | 19.61 | | | |
| 15 | 256QAM | 1 | 37 | 19.42 | 19.57 | 19.49 | 20.5 | 5 | |
| 15 | 256QAM | 1 | 74 | 19.60 | 19.74 | 19.69 | | | |
| 15 | 256QAM | 36 | 0 | 19.35 | 19.42 | 19.38 | | | |
| 15 | 256QAM | 36 | 20 | 19.48 | 19.52 | 19.43 | 20.5 | 5 | |
| 15 | 256QAM | 36 | 39 | 19.46 | 19.55 | 19.50 | | | |
| 15 | 256QAM | 75 | 0 | 19.38 | 19.51 | 19.47 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 819 | 831.8 | 844 | | | APR (dB) |
| 10 | QPSK | 1 | 0 | 24.42 | 24.44 | 24.36 | | | |
| 10 | QPSK | 1 | 25 | 24.39 | 24.46 | 24.31 | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.28 | 24.42 | 24.42 | | | |
| 10 | QPSK | 25 | 0 | 23.43 | 23.52 | 23.46 | | | |
| 10 | QPSK | 25 | 12 | 23.29 | 23.45 | 23.40 | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.48 | 23.48 | 23.47 | | | |
| 10 | QPSK | 50 | 0 | 23.42 | 23.49 | 23.43 | | | |
| 10 | 16QAM | 1 | 0 | 23.41 | 23.49 | 23.39 | | | |
| 10 | 16QAM | 1 | 25 | 23.33 | 23.47 | 23.31 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 23.35 | 23.51 | 23.44 | | | |
| 10 | 16QAM | 25 | 0 | 22.36 | 22.51 | 22.38 | | | |
| 10 | 16QAM | 25 | 12 | 22.35 | 22.56 | 22.42 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 22.48 | 22.44 | 22.38 | | | |
| 10 | 16QAM | 50 | 0 | 22.36 | 22.45 | 22.35 | | | |
| 10 | 64QAM | 1 | 0 | 22.51 | 22.58 | 22.52 | | | |
| 10 | 64QAM | 1 | 25 | 22.50 | 22.56 | 22.45 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.63 | 22.61 | 22.51 | | | |
| 10 | 64QAM | 25 | 0 | 21.18 | 21.31 | 21.25 | | | |
| 10 | 64QAM | 25 | 12 | 21.33 | 21.53 | 21.37 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 21.32 | 21.33 | 21.34 | | | |
| 10 | 64QAM | 50 | 0 | 21.34 | 21.50 | 21.33 | | | |
| 10 | 256QAM | 1 | 0 | 19.45 | 19.53 | 19.20 | | | |
| 10 | 256QAM | 1 | 25 | 19.32 | 19.42 | 19.42 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 49 | 19.54 | 19.65 | 19.58 | | | |
| 10 | 256QAM | 25 | 0 | 19.36 | 19.26 | 19.33 | | | |
| 10 | 256QAM | 25 | 12 | 19.43 | 19.41 | 19.20 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 25 | 19.39 | 19.48 | 19.36 | | | |
| 10 | 256QAM | 50 | 0 | 19.35 | 19.40 | 19.38 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 816.5 | 831.8 | 846.5 | | | APR (dB) |
| 5 | QPSK | 1 | 0 | 24.44 | 24.46 | 24.38 | | | |
| 5 | QPSK | 1 | 12 | 24.32 | 24.38 | 24.25 | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.34 | 24.45 | 24.39 | | | |
| 5 | QPSK | 12 | 0 | 23.46 | 23.57 | 23.48 | | | |
| 5 | QPSK | 12 | 7 | 23.28 | 23.45 | 23.45 | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.48 | 23.53 | 23.38 | | | |
| 5 | QPSK | 25 | 0 | 23.42 | 23.47 | 23.38 | | | |
| 5 | 16QAM | 1 | 0 | 23.41 | 23.44 | 23.33 | | | |
| 5 | 16QAM | 1 | 12 | 23.21 | 23.44 | 23.22 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 24 | 23.37 | 23.46 | 23.34 | | | |
| 5 | 16QAM | 12 | 0 | 22.34 | 22.44 | 22.34 | | | |
| 5 | 16QAM | 12 | 7 | 22.35 | 22.55 | 22.42 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 22.47 | 22.46 | 22.38 | | | |
| 5 | 16QAM | 25 | 0 | 22.38 | 22.39 | 22.45 | | | |
| 5 | 64QAM | 1 | 0 | 22.54 | 22.59 | 22.53 | | | |
| 5 | 64QAM | 1 | 12 | 22.56 | 22.54 | 22.46 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 22.62 | 22.69 | 22.78 | | | |
| 5 | 64QAM | 12 | 0 | 21.20 | 21.30 | 21.21 | | | |
| 5 | 64QAM | 12 | 7 | 21.31 | 21.43 | 21.37 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.38 | 21.42 | 21.37 | | | |
| 5 | 64QAM | 25 | 0 | 21.27 | 21.49 | 21.39 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.51 | 19.45 | | | |
| 5 | 256QAM | 1 | 12 | 19.29 | 19.53 | 19.36 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 24 | 19.54 | 19.66 | 19.55 | | | |
| 5 | 256QAM | 12 | 0 | 19.24 | 19.31 | 19.20 | | | |
| 5 | 256QAM | 12 | 7 | 19.36 | 19.41 | 19.37 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 19.35 | 19.42 | 19.43 | | | |
| 5 | 256QAM | 25 | 0 | 19.32 | 19.38 | 19.38 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 817.5 | 831.8 | 847.5 | | | APR (dB) |
| 3 | QPSK | 1 | 0 | 24.42 | 24.42 | 24.37 | | | |
| 3 | QPSK | 1 | 8 | 24.37 | 24.42 | 24.32 | 25.5 | 0 | |
| 3 | QPSK | 1 | 14 | 24.34 | 24.45 | 24.43 | | | |
| 3 | QPSK | 8 | 0 | 23.34 | 23.51 | 23.43 | | | |
| 3 | QPSK | 8 | 4 | 23.29 | 23.45 | 23.36 | 24.5 | 1 | |
| 3 | QPSK | 8 | 7 | 23.37 | 23.46 | 23.43 | | | |
| 3 | QPSK | 15 | 0 | 23.46 | 23.52 | 23.42 | | | |
| 3 | 16QAM | 1 | 0 | 23.44 | 23.52 | 23.37 | | | |
| 3 | 16QAM | 1 | 8 | 23.27 | 23.45 | 23.31 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 14 | 23.30 | 23.45 | 23.36 | | | |
| 3 | 16QAM | 8 | 0 | 22.34 | 22.42 | 22.32 | | | |
| 3 | 16QAM | 8 | 4 | 22.42 | 22.64 | 22.42 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 7 | 22.43 | 22.53 | 22.38 | | | |
| 3 | 16QAM | 15 | 0 | 22.37 | 22.47 | 22.46 | | | |
| 3 | 64QAM | 1 | 0 | 22.46 | 22.57 | 22.44 | | | |
| 3 | 64QAM | 1 | 8 | 22.48 | 22.61 | 22.50 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 22.79 | 22.86 | 22.76 | | | |
| 3 | 64QAM | 8 | 0 | 21.13 | 21.28 | 21.21 | | | |
| 3 | 64QAM | 8 | 4 | 21.37 | 21.45 | 21.38 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.36 | 21.38 | 21.34 | | | |
| 3 | 64QAM | 15 | 0 | 21.28 | 21.45 | 21.36 | | | |
| 3 | 256QAM | 1 | 0 | 19.43 | 19.56 | 19.55 | | | |
| 3 | 256QAM | 1 | 8 | 19.30 | 19.45 | 19.39 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 14 | 19.46 | 19.71 | 19.61 | | | |
| 3 | 256QAM | 8 | 0 | 19.26 | 19.36 | 19.35 | | | |
| 3 | 256QAM | 8 | 4 | 19.38 | 19.39 | 19.29 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 7 | 19.34 | 19.32 | 19.40 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.45 | 19.43 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 816.7 | 831.8 | 847.3 | | | APR (dB) |
| 1.4 | QPSK | 1 | 0 | 24.44 | 24.54 | 24.43 | | | |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.26 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.50 | 24.41 | | | |
| 1.4 | QPSK | 3 | 0 | 24.41 | 24.45 | 24.44 | | | |
| 1.4 | QPSK | 3 | 1 | 24.37 | 24.45 | 24.48 | | | |
| 1.4 | QPSK | 3 | 3 | 24.34 | 24.39 | 24.34 | 24.5 | 1 | |
| 1.4 | QPSK | 6 | 0 | 23.34 | 23.59 | 23.48 | | | |
| 1.4 | 16QAM | 1 | 0 | 23.33 | 23.43 | 23.35 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.42 | 23.45 | 23.36 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 5 | 23.47 | 23.54 | 23.34 | | | |
| 1.4 | 16QAM | 3 | 0 | 23.38 | 23.42 | 23.40 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.24 | 23.43 | 23.32 | 23.5 | 2 | |
| 1.4 | 16QAM | 3 | 3 | 23.30 | 23.48 | 23.40 | | | |
| 1.4 | 64QAM | 1 | 0 | 22.38 | 22.40 | 22.32 | | | |
| 1.4 | 64QAM | 1 | 3 | 22.35 | 22.49 | 22.41 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 5 | 22.43 | 22.47 | 22.30 | | | |
| 1.4 | 64QAM | 3 | 0 | 22.43 | 22.48 | 22.38 | | | |
| 1.4 | 64QAM | 3 | 1 | 22.50 | 22.59 | 22.49 | 23.5 | 2 | |
| 1.4 | 64QAM | 3 | 3 | 22.58 | 22.79 | 22.75 | | | |
| 1.4 | 256QAM</ | | | | | | | | |



| GSM850 Ant1 DS10 | | | | | | | | |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 32.50 | 22.11 | 22.21 | 22.17 | 23.50 |
| GSM 1 Tx slot | 31.11 | 31.21 | 31.17 | 32.50 | 22.11 | 22.21 | 22.17 | 23.50 |
| GPRS 1 Tx slot | 31.15 | 31.23 | 31.20 | 32.50 | 22.15 | 22.23 | 22.20 | 23.50 |
| GPRS 2 Tx slots | 27.89 | 28.11 | 28.03 | 29.50 | 21.89 | 22.11 | 22.03 | 23.50 |
| GPRS 3 Tx slots | 26.22 | 26.33 | 26.35 | 27.50 | 21.96 | 22.07 | 22.09 | 23.24 |
| GPRS 4 Tx slots | 24.80 | 24.88 | 24.95 | 26.50 | 21.80 | 21.98 | 21.95 | 23.50 |
| EDGE 1 Tx slot | 25.05 | 25.12 | 25.00 | 26.50 | 16.05 | 16.12 | 16.00 | 17.50 |
| EDGE 2 Tx slots | 22.22 | 22.23 | 22.18 | 23.50 | 16.22 | 16.23 | 16.18 | 17.50 |
| EDGE 3 Tx slots | 20.44 | 20.49 | 20.45 | 21.70 | 16.18 | 16.23 | 16.19 | 17.44 |
| EDGE 4 Tx slots | 19.28 | 19.27 | 19.26 | 20.50 | 16.28 | 16.27 | 16.26 | 17.50 |

| GSM1900 Ant1 DS10 | | | | | | | | |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|-------|---------------------------|
| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 24.00 | 13.38 | 13.45 | 13.38 | 15.00 |
| GSM 1 Tx slot | 22.38 | 22.45 | 22.38 | 24.00 | 13.38 | 13.45 | 13.38 | 15.00 |
| GPRS 1 Tx slot | 22.39 | 22.49 | 22.41 | 24.00 | 13.39 | 13.49 | 13.41 | 15.00 |
| GPRS 2 Tx slots | 19.53 | 19.61 | 19.54 | 21.00 | 13.53 | 13.61 | 13.54 | 15.00 |
| GPRS 3 Tx slots | 17.87 | 17.93 | 17.92 | 19.20 | 13.61 | 13.67 | 13.66 | 14.94 |
| GPRS 4 Tx slots | 16.46 | 16.53 | 16.34 | 18.00 | 13.46 | 13.53 | 13.34 | 15.00 |
| EDGE 1 Tx slot | 18.39 | 18.56 | 18.41 | 20.00 | 9.39 | 9.56 | 9.41 | 11.00 |
| EDGE 2 Tx slots | 15.82 | 15.90 | 15.80 | 17.00 | 9.82 | 9.90 | 9.80 | 11.00 |
| EDGE 3 Tx slots | 13.67 | 13.70 | 13.58 | 15.20 | 9.41 | 9.44 | 9.32 | 10.94 |
| EDGE 4 Tx slots | 12.67 | 12.88 | 12.80 | 14.00 | 9.67 | 9.88 | 9.80 | 11.00 |

| Band | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) | WCDMA V | | | Tune-up Limit (dBm) |
|-----------------|-------------------------|-------|--------|---------------------------|----------|-------|-------|---------------------------|---------|-------|-------|---------------------------|
| | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | | 4132 | 4182 | 4233 | |
| TX Channel | 9262 | 9400 | 9538 | 16.50 | 16.37 | 16.38 | 16.38 | 16.50 | 16.50 | 16.50 | 16.50 | 16.50 |
| Rx Channel | 9662 | 9800 | 9938 | 16.50 | 16.37 | 16.38 | 16.38 | 16.50 | 16.50 | 16.50 | 16.50 | 16.50 |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | 16.50 | 16.37 | 16.38 | 16.38 | 16.50 | 16.50 | 16.50 | 16.50 | 16.50 |
| 3GPP Rel 99 | AMR 12.2kbps | 15.63 | 15.67 | 15.58 | 17.03 | 17.20 | 17.03 | 19.00 | 21.83 | 21.79 | 21.77 | 23.50 |
| 3GPP Rel 99 | RMC 12.2kbps | 15.57 | 15.68 | 15.66 | 17.12 | 17.26 | 17.24 | 19.00 | 21.73 | 21.93 | 21.90 | 23.50 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 14.59 | 14.81 | 14.65 | 16.50 | 16.15 | 16.28 | 16.29 | 18.00 | 20.94 | 20.77 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 14.52 | 14.78 | 14.73 | 16.50 | 16.13 | 16.20 | 16.06 | 18.00 | 20.65 | 20.84 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 14.24 | 14.17 | 14.14 | 16.00 | 15.60 | 15.67 | 15.74 | 17.50 | 20.21 | 20.39 | 22.00 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 14.20 | 14.23 | 14.21 | 16.00 | 15.52 | 15.65 | 15.62 | 17.50 | 20.19 | 20.38 | 22.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 14.65 | 14.66 | 14.71 | 16.50 | 16.10 | 16.25 | 16.01 | 18.00 | 20.89 | 20.88 | 22.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 14.72 | 14.76 | 14.67 | 16.50 | 16.05 | 16.02 | 16.03 | 18.00 | 20.77 | 20.75 | 22.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 14.03 | 14.09 | 14.21 | 16.00 | 15.63 | 15.67 | 16.01 | 17.50 | 20.19 | 20.26 | 22.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 14.19 | 14.32 | 14.14 | 16.00 | 15.56 | 15.53 | 15.53 | 17.50 | 20.07 | 20.30 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 14.73 | 14.54 | 14.61 | 16.50 | 16.08 | 16.10 | 16.03 | 18.00 | 20.59 | 20.66 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 12.68 | 12.59 | 12.69 | 14.50 | 14.07 | 14.10 | 14.14 | 16.00 | 18.75 | 18.96 | 20.50 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 13.69 | 13.85 | 13.83 | 15.50 | 15.03 | 15.23 | 15.18 | 17.00 | 19.83 | 20.02 | 21.50 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 12.57 | 12.66 | 12.71 | 14.50 | 13.95 | 14.00 | 14.04 | 16.00 | 18.59 | 18.82 | 20.50 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 14.53 | 14.73 | 14.69 | 16.50 | 16.07 | 16.02 | 16.15 | 18.00 | 20.56 | 20.74 | 22.50 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 12.33 | 12.38 | 12.18 | 14.00 | 13.57 | 13.61 | 13.63 | 15.50 | 18.37 | 18.61 | 20.00 |



| Band 4 Main PA Ant1 DSI0 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 14.46 | 14.62 | 14.67 | | | | |
| 10 | QPSK | 1 | 49 | 14.42 | 14.58 | 14.63 | 16 | 0 | | |
| 20 | QPSK | 1 | 99 | 14.14 | 14.28 | 14.36 | | | | |
| 20 | QPSK | 50 | 0 | 14.28 | 14.38 | 14.42 | | | | |
| 20 | QPSK | 50 | 24 | 14.20 | 14.30 | 14.34 | | | | |
| 20 | QPSK | 50 | 50 | 14.23 | 14.31 | 14.38 | | | | |
| 20 | QPSK | 100 | 0 | 14.28 | 14.38 | 14.42 | | | | |
| 20 | 16QAM | 0 | 0 | 14.42 | 14.52 | 14.57 | | | | |
| 20 | 16QAM | 1 | 49 | 14.12 | 14.28 | 14.36 | 16 | 0 | | |
| 20 | 16QAM | 1 | 99 | 14.29 | 14.35 | 14.39 | | | | |
| 20 | 16QAM | 50 | 0 | 14.47 | 14.59 | 14.63 | | | | |
| 20 | 16QAM | 50 | 24 | 14.30 | 14.17 | 14.13 | | | | |
| 20 | 16QAM | 50 | 50 | 14.10 | 14.11 | 14.21 | | | | |
| 20 | 16QAM | 100 | 0 | 14.30 | 14.13 | 14.13 | | | | |
| 20 | 84QAM | 1 | 0 | 14.30 | 14.43 | 14.11 | | | | |
| 20 | 84QAM | 1 | 49 | 14.29 | 14.24 | 14.52 | 16 | 0 | | |
| 20 | 84QAM | 50 | 0 | 14.28 | 14.22 | 14.14 | | | | |
| 20 | 84QAM | 50 | 24 | 14.18 | 14.24 | 14.39 | | | | |
| 20 | 84QAM | 50 | 50 | 14.09 | 14.23 | 14.31 | | | | |
| 20 | 256QAM | 100 | 0 | 14.09 | 14.23 | 14.31 | | | | |
| 20 | 256QAM | 1 | 49 | 14.23 | 14.31 | 14.13 | | | | |
| 20 | 256QAM | 1 | 99 | 14.26 | 14.14 | 14.25 | | | | |
| 20 | 256QAM | 50 | 0 | 14.17 | 14.21 | 14.39 | | | | |
| 20 | 256QAM | 50 | 24 | 14.23 | 14.24 | 14.18 | | | | |
| 20 | 256QAM | 50 | 50 | 14.39 | 14.40 | 14.14 | | | | |
| 20 | 256QAM | 100 | 0 | 14.18 | 14.23 | 14.17 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 14.33 | 14.47 | 14.44 | | | | |
| 15 | QPSK | 1 | 37 | 14.43 | 14.46 | 14.28 | | | | |
| 15 | QPSK | 1 | 74 | 14.23 | 14.37 | 14.27 | | | | |
| 15 | QPSK | 36 | 0 | 14.09 | 14.46 | 14.12 | | | | |
| 15 | QPSK | 36 | 25 | 14.10 | 14.29 | 14.24 | | | | |
| 15 | QPSK | 36 | 39 | 14.12 | 14.11 | 14.16 | | | | |
| 15 | QPSK | 75 | 0 | 14.11 | 14.28 | 14.21 | | | | |
| 15 | 16QAM | 1 | 0 | 14.28 | 14.23 | | | | | |
| 15 | 16QAM | 1 | 37 | 14.22 | 14.40 | 14.21 | 16 | 0 | | |
| 15 | 16QAM | 1 | 74 | 14.17 | 14.28 | 14.28 | | | | |
| 15 | 16QAM | 36 | 0 | 14.40 | 14.18 | 14.19 | | | | |
| 15 | 16QAM | 36 | 29 | 14.21 | 14.22 | 14.10 | | | | |
| 15 | 16QAM | 36 | 39 | 14.20 | 14.18 | 14.20 | | | | |
| 15 | 16QAM | 75 | 0 | 14.24 | 14.24 | 14.23 | | | | |
| 15 | 84QAM | 1 | 0 | 14.33 | 14.50 | 14.20 | | | | |
| 15 | 84QAM | 1 | 37 | 14.43 | 14.39 | 14.33 | 16 | 0 | | |
| 15 | 84QAM | 1 | 74 | 14.18 | 14.25 | 14.24 | | | | |
| 15 | 84QAM | 36 | 0 | 14.24 | 14.22 | 14.14 | | | | |
| 15 | 84QAM | 36 | 29 | 14.11 | 14.37 | 14.31 | | | | |
| 15 | 84QAM | 36 | 39 | 14.14 | 14.25 | 14.14 | | | | |
| 15 | 84QAM | 75 | 0 | 14.03 | 14.05 | 14.23 | | | | |
| 15 | 256QAM | 1 | 0 | 14.08 | 14.18 | 14.03 | | | | |
| 15 | 256QAM | 1 | 37 | 14.08 | 14.28 | 14.05 | | | | |
| 15 | 256QAM | 1 | 74 | 14.19 | 14.10 | 14.14 | | | | |
| 15 | 256QAM | 36 | 0 | 14.07 | 14.14 | 14.05 | | | | |
| 15 | 256QAM | 36 | 29 | 14.08 | 14.09 | 14.14 | | | | |
| 15 | 256QAM | 36 | 39 | 14.33 | 14.16 | 14.24 | | | | |
| 15 | 256QAM | 75 | 0 | 14.03 | 14.09 | 14.03 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 14.40 | 14.54 | 14.47 | | | | |
| 10 | QPSK | 1 | 25 | 14.30 | 14.39 | 14.53 | 16 | 0 | | |
| 10 | QPSK | 1 | 49 | 14.34 | 14.38 | 14.34 | | | | |
| 10 | QPSK | 12 | 0 | 14.27 | 14.35 | 14.33 | | | | |
| 10 | QPSK | 25 | 12 | 14.11 | 14.28 | 14.18 | | | | |
| 10 | QPSK | 25 | 25 | 14.28 | 14.28 | 14.16 | | | | |
| 10 | 16QAM | 1 | 0 | 14.20 | 14.30 | 14.20 | | | | |
| 10 | 16QAM | 1 | 0 | 14.22 | 14.32 | 14.37 | | | | |
| 10 | 16QAM | 1 | 24 | 14.29 | 14.28 | 14.14 | 16 | 0 | | |
| 10 | 16QAM | 1 | 49 | 14.30 | 14.30 | 14.38 | | | | |
| 10 | 16QAM | 25 | 0 | 14.31 | 14.27 | 14.39 | | | | |
| 10 | 16QAM | 25 | 12 | 14.28 | 14.08 | 14.19 | | | | |
| 10 | 16QAM | 50 | 0 | 14.20 | 14.30 | 14.20 | | | | |
| 10 | 16QAM | 50 | 0 | 14.19 | 14.05 | 14.05 | | | | |
| 10 | 84QAM | 1 | 0 | 14.47 | 14.50 | 14.03 | | | | |
| 10 | 84QAM | 1 | 24 | 14.03 | 14.20 | 14.03 | | | | |
| 10 | 84QAM | 1 | 49 | 14.21 | 14.11 | 14.23 | | | | |
| 10 | 84QAM | 25 | 0 | 14.22 | 14.21 | 14.21 | | | | |
| 10 | 84QAM | 25 | 12 | 14.25 | 14.29 | 14.20 | | | | |
| 10 | 84QAM | 50 | 0 | 14.23 | 14.17 | 14.28 | | | | |
| 10 | 256QAM | 100 | 0 | 14.23 | 14.05 | 14.20 | | | | |
| 10 | 256QAM | 1 | 49 | 14.19 | 14.21 | 14.06 | | | | |
| 10 | 256QAM | 1 | 99 | 14.08 | 14.17 | 14.08 | | | | |
| 10 | 256QAM | 25 | 0 | 14.14 | 14.13 | 14.26 | | | | |
| 10 | 256QAM | 25 | 12 | 14.22 | 14.14 | 14.28 | | | | |
| 10 | 256QAM | 25 | 25 | 14.15 | 14.25 | 14.23 | | | | |
| 10 | 256QAM | 50 | 0 | 14.12 | 14.08 | 14.20 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 14.40 | 14.54 | 14.47 | | | | |
| 5 | QPSK | 1 | 12 | 14.33 | 14.47 | 14.38 | 16 | 0 | | |
| 5 | QPSK | 1 | 24 | 14.36 | 14.33 | 14.15 | | | | |
| 5 | QPSK | 12 | 0 | 14.27 | 14.35 | 14.33 | | | | |
| 5 | QPSK | 12 | 7 | 14.10 | 14.26 | 14.09 | | | | |
| 5 | QPSK | 12 | 13 | 14.23 | 14.22 | 14.13 | | | | |
| 5 | QPSK | 25 | 0 | 14.23 | 14.29 | 14.12 | | | | |
| 5 | 16QAM | 1 | 0 | 14.37 | 14.32 | 14.20 | | | | |
| 5 | 16QAM | 1 | 12 | 14.33 | 14.39 | 14.33 | 16 | 0 | | |
| 5 | 16QAM | 1 | 24 | 14.15 | 14.29 | 14.21 | | | | |
| 5 | 16QAM | 12 | 0 | 14.41 | 14.31 | 14.19 | | | | |
| 5 | 16QAM | 12 | 7 | 14.26 | 14.02 | 14.23 | | | | |
| 5 | 16QAM | 12 | 13 | 14.10 | 14.09 | 14.18 | | | | |
| 5 | 16QAM | 25 | 0 | 14.11 | 14.22 | 14.07 | | | | |
| 5 | 84QAM | 1 | 0 | 14.39 | 14.46 | 14.20 | | | | |
| 5 | 84QAM | 1 | 12 | 14.46 | 14.29 | 14.20 | | | | |
| 5 | 84QAM | 1 | 24 | 14.21 | 14.32 | 14.28 | | | | |
| 5 | 84QAM | 12 | 0 | 14.18 | 14.11 | 14.15 | | | | |
| 5 | 84QAM | 12 | 7 | 14.21 | 14.16 | 14.21 | | | | |
| 5 | 84QAM | 12 | 13 | 14.21 | 14.18 | 14.15 | | | | |
| 5 | 84QAM | 25 | 0 | 14.16 | 14.05 | 14.06 | | | | |
| 5 | 256QAM | 1 | 0 | 14.05 | 14.18 | 14.02 | | | | |
| 5 | 256QAM | 1 | 12 | 14.16 | 14.22 | 14.20 | | | | |
| 5 | 256QAM | 1 | 24 | 14.26 | 14.29 | 14.30 | | | | |
| 5 | 256QAM | 12 | 0 | 14.25 | 14.11 | 14.22 | | | | |
| 5 | 256QAM | 12 | 7 | 14.08 | 14.09 | 14.14 | | | | |
| 5 | 256QAM | 25 | 0 | 14.19 | 14.16 | 14.24 | | | | |
| 5 | 256QAM | 25 | 0 | 14.11 | 14.24 | 14.11 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 14.58 | 14.40 | 14.49 | | | | |
| 3 | QPSK | 1 | 8 | 14.29 | 14.40 | 14.37 | 16 | 0 | | |
| 3 | QPSK | 1 | 14 | 14.34 | 14.37 | 14.16 | | | | |
| 3 | QPSK | 8 | 0 | 14.30 | 14.28 | 14.20 | | | | |
| 3 | QPSK | 8 | 4 | 14.14 | 14.26 | 14.24 | | | | |
| 3 | QPSK | 8 | 7 | 14.15 | 14.25 | 14.19 | | | | |
| 3 | QPSK | 15 | 0 | 14.05 | 14.26 | 14.15 | | | | |
| 3 | 16QAM | 1 | 0 | 14.33 | 14.21 | 14.28 | | | | |
| 3 | 16QAM | 1 | 8 | 14.18 | 14.25 | 14.21 | 16 | 0 | | |
| 3 | 16QAM | 1 | 16 | 14.17 | 14.19 | 14.24 | | | | |
| 3 | 16QAM | 8 | 0 | 14.31 | 14.42 | 14.27 | | | | |
| 3 | 16QAM | 8 | 4 | 14.09 | 14.04 | 14.15 | | | | |
| 3 | 16QAM | 8 | 7 | 14.07 | 14.29 | 14.24 | | | | |
| 3 | 84QAM | 15 | 0 | 14.07 | 14.03 | 14.09 | | | | |
| 3 | 84QAM | 1 | 0 | 14.47 | 14.43 | 14.09 | | | | |
| 3 | 84QAM | 1 | 8 | 14.34 | 14.29 | 14.14 | 16 | 0 | | |
| 3 | 84QAM | 1 | 14 | 14.11 | 14.21 | 14.06 | | | | |
| 3 | 84QAM | 8 | 0 | 14.09 | 14.31 | 14.30 | | | | |
| 3 | 84QAM | 8 | 7 | 14.30 | 14.32 | 14.20 | | | | |
| 3 | 256QAM | 1 | 0 | 14.10 | 14.01 | 14.20 | | </ | | |



| Band 13 Main PA Ant1 DS10 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|---------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 752 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.47 | 23.44 | | 25 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.46 | 23.44 | | | | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.64 | | 24.5 | 0.5 | | |
| 10 | QPSK | 25 | 49 | 22.64 | 22.60 | | | | | |
| 10 | QPSK | 25 | 26 | 22.79 | 22.79 | | 24.5 | 0.5 | | |
| 10 | QPSK | 50 | 0 | 22.65 | 22.65 | | | | | |
| 10 | 16QAM | 1 | 26 | 22.79 | 22.79 | | | | | |
| 10 | 16QAM | 1 | 49 | 22.75 | 22.75 | | | | | |
| 10 | 16QAM | 1 | 26 | 21.81 | 21.81 | | 23.5 | 1.5 | | |
| 10 | 16QAM | 25 | 26 | 21.85 | 21.85 | | | | | |
| 10 | 16QAM | 50 | 0 | 21.79 | 21.79 | | | | | |
| 10 | 64QAM | 1 | 0 | 22.07 | 22.07 | | 23.5 | 1.5 | | |
| 10 | 64QAM | 1 | 26 | 22.01 | 22.01 | | | | | |
| 10 | 64QAM | 1 | 49 | 21.97 | 21.97 | | | | | |
| 10 | 64QAM | 25 | 0 | 20.87 | 20.87 | | | | | |
| 10 | 64QAM | 25 | 12 | 20.76 | 20.76 | | 22.5 | 2.5 | | |
| 10 | 64QAM | 25 | 26 | 20.83 | 20.83 | | | | | |
| 10 | 64QAM | 50 | 0 | 20.75 | 20.75 | | | | | |
| 10 | 256QAM | 1 | 26 | 18.94 | 18.94 | | 20.5 | 4.5 | | |
| 10 | 256QAM | 1 | 49 | 18.88 | 18.88 | | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.88 | | | | | |
| 10 | 256QAM | 25 | 12 | 18.78 | 18.78 | | 20.5 | 4.5 | | |
| 10 | 256QAM | 25 | 26 | 18.84 | 18.84 | | | | | |
| 10 | 256QAM | 50 | 0 | 18.81 | 18.81 | | | | | |
| Channel | | | | | | | | | | |
| 2305 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.46 | 23.41 | 23.38 | 25 | 0 | | |
| 5 | QPSK | 1 | 16 | 23.23 | 23.27 | 23.37 | | | | |
| 5 | QPSK | 1 | 24 | 23.17 | 23.20 | 23.15 | | | | |
| 5 | QPSK | 12 | 0 | 22.87 | 22.78 | 22.89 | 24.5 | 0.5 | | |
| 5 | QPSK | 12 | 7 | 22.72 | 22.70 | 22.73 | | | | |
| 5 | QPSK | 12 | 13 | 22.73 | 22.72 | 22.68 | | | | |
| 5 | 16QAM | 1 | 0 | 22.74 | 22.71 | 22.78 | 24.5 | 0.5 | | |
| 5 | 16QAM | 1 | 12 | 22.65 | 22.71 | 22.72 | | | | |
| 5 | 16QAM | 12 | 7 | 21.73 | 21.70 | 21.73 | | | | |
| 5 | 16QAM | 12 | 13 | 21.78 | 21.84 | 21.78 | 23.5 | 1.5 | | |
| 5 | 16QAM | 12 | 7 | 21.69 | 21.68 | 21.74 | | | | |
| 5 | 64QAM | 1 | 0 | 21.69 | 21.68 | 21.64 | 23.5 | 1.5 | | |
| 5 | 64QAM | 1 | 24 | 21.94 | 21.82 | 21.83 | | | | |
| 5 | 64QAM | 12 | 0 | 20.74 | 20.74 | 20.78 | 22.5 | 2.5 | | |
| 5 | 64QAM | 12 | 7 | 20.67 | 20.63 | 20.65 | | | | |
| 5 | 64QAM | 12 | 13 | 20.76 | 20.73 | 20.70 | | | | |
| 5 | 64QAM | 25 | 0 | 20.68 | 20.64 | 20.60 | | | | |
| 5 | 256QAM | 1 | 0 | 18.84 | 18.81 | 18.84 | 20.5 | 4.5 | | |
| 5 | 256QAM | 1 | 12 | 18.77 | 18.87 | 18.82 | | | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.72 | 18.78 | | | | |
| 5 | 256QAM | 12 | 0 | 18.74 | 18.76 | 18.84 | | | | |
| 5 | 256QAM | 12 | 7 | 18.72 | 18.73 | 18.84 | 20.5 | 4.5 | | |
| 5 | 256QAM | 12 | 13 | 18.69 | 18.76 | 18.79 | | | | |
| 5 | 256QAM | 25 | 0 | 18.71 | 18.70 | 18.68 | | | | |

| Band 26 Main PA Ant1 DS10 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|---------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 821.5 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.29 | 22.38 | 22.23 | 24 | 0 | | |
| 15 | QPSK | 1 | 37 | 22.11 | 22.13 | 22.11 | | | | |
| 15 | QPSK | 1 | 74 | 22.11 | 22.03 | 22.06 | | | | |
| 15 | QPSK | 36 | 0 | 22.16 | 22.21 | 22.13 | 24 | 0 | | |
| 15 | QPSK | 36 | 29 | 22.08 | 22.12 | 22.02 | | | | |
| 15 | QPSK | 36 | 38 | 22.03 | 22.03 | 22.07 | | | | |
| 15 | QPSK | 75 | 0 | 22.14 | 22.15 | 22.01 | 24 | 0 | | |
| 15 | 16QAM | 1 | 0 | 22.27 | 22.23 | 22.29 | 24 | 0 | | |
| 15 | 16QAM | 1 | 37 | 22.03 | 22.24 | 22.06 | | | | |
| 15 | 16QAM | 1 | 74 | 22.23 | 22.10 | 22.11 | | | | |
| 15 | 16QAM | 36 | 0 | 21.83 | 21.76 | 21.82 | 23.5 | 0.5 | | |
| 15 | 16QAM | 36 | 20 | 21.83 | 21.68 | 21.58 | | | | |
| 15 | 16QAM | 36 | 39 | 21.88 | 21.72 | 21.89 | | | | |
| 15 | 16QAM | 75 | 0 | 21.54 | 21.66 | 21.58 | 23.5 | 0.5 | | |
| 15 | 64QAM | 1 | 0 | 21.82 | 21.92 | 21.84 | 23.5 | 0.5 | | |
| 15 | 64QAM | 1 | 37 | 21.78 | 21.86 | 21.80 | | | | |
| 15 | 64QAM | 1 | 74 | 21.73 | 21.85 | 21.77 | 23.5 | 0.5 | | |
| 15 | 64QAM | 36 | 0 | 20.84 | 20.89 | 20.79 | 22.5 | 1.5 | | |
| 15 | 64QAM | 36 | 20 | 20.74 | 20.89 | 20.72 | | | | |
| 15 | 64QAM | 36 | 39 | 20.72 | 20.85 | 20.70 | | | | |
| 15 | 64QAM | 75 | 0 | 20.69 | 20.77 | 20.67 | 22.5 | 1.5 | | |
| 15 | 256QAM | 1 | 0 | 18.61 | 18.78 | 18.63 | 20.5 | 3.5 | | |
| 15 | 256QAM | 1 | 37 | 18.58 | 18.72 | 18.64 | | | | |
| 15 | 256QAM | 1 | 74 | 18.64 | 18.67 | 18.60 | | | | |
| 15 | 256QAM | 36 | 0 | 18.54 | 18.58 | 18.52 | 20.5 | 3.5 | | |
| 15 | 256QAM | 36 | 20 | 18.54 | 18.58 | 18.51 | | | | |
| 15 | 256QAM | 36 | 39 | 18.60 | 18.62 | 18.55 | | | | |
| 15 | 256QAM | 75 | 0 | 18.60 | 18.68 | 18.60 | 20.5 | 3.5 | | |
| Channel | | | | | | | | | | |
| 2610 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.15 | 22.22 | 22.05 | 24 | 0 | | |
| 10 | QPSK | 1 | 29 | 22.12 | 22.06 | 22.03 | | | | |
| 10 | QPSK | 1 | 49 | 22.03 | 22.06 | 22.04 | | | | |
| 10 | QPSK | 26 | 0 | 22.12 | 22.03 | 22.02 | 24 | 0 | | |
| 10 | QPSK | 26 | 12 | 22.09 | 22.05 | 22.09 | | | | |
| 10 | QPSK | 26 | 28 | 22.06 | 22.04 | 22.05 | | | | |
| 10 | 16QAM | 1 | 0 | 22.07 | 22.09 | 22.06 | 24 | 0 | | |
| 10 | 16QAM | 1 | 29 | 22.12 | 22.06 | 22.03 | | | | |
| 10 | 16QAM | 1 | 29 | 22.06 | 22.10 | 22.04 | | | | |
| 10 | 16QAM | 26 | 0 | 21.81 | 21.82 | 21.88 | 23.5 | 0.5 | | |
| 10 | 16QAM | 26 | 12 | 21.67 | 21.65 | 21.53 | | | | |
| 10 | 16QAM | 26 | 28 | 21.65 | 21.62 | 21.61 | | | | |
| 10 | 64QAM | 1 | 0 | 21.72 | 21.77 | 21.80 | 23.5 | 0.5 | | |
| 10 | 64QAM | 1 | 29 | 21.65 | 21.71 | 21.67 | | | | |
| 10 | 64QAM | 1 | 49 | 21.63 | 21.75 | 21.59 | 22.5 | 1.5 | | |
| 10 | 64QAM | 26 | 0 | 20.71 | 20.76 | 20.68 | | | | |
| 10 | 64QAM | 26 | 12 | 20.65 | 20.69 | 20.65 | | | | |
| 10 | 64QAM | 26 | 28 | 20.58 | 20.60 | 20.61 | | | | |
| 10 | 64QAM | 50 | 0 | 20.56 | 20.68 | 20.63 | 20.5 | 3.5 | | |
| 10 | 256QAM | 1 | 0 | 18.57 | 18.70 | 18.57 | 20.5 | 3.5 | | |
| 10 | 256QAM | 1 | 29 | 18.57 | 18.70 | 18.71 | | | | |
| 10 | 256QAM | 1 | 49 | 18.61 | 18.70 | 18.57 | | | | |
| 10 | 256QAM | 26 | 0 | 18.54 | 18.60 | 18.57 | 20.5 | 3.5 | | |
| 10 | 256QAM | 26 | 12 | 18.59 | 18.64 | 18.53 | | | | |
| 10 | 256QAM | 26 | 28 | 18.58 | 18.61 | 18.54 | | | | |
| 10 | 256QAM | 50 | 0 | 18.56 | 18.68 | 18.54 | 20.5 | 3.5 | | |
| Channel | | | | | | | | | | |
| 2615 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.15 | 22.17 | 22.13 | 24 | 0 | | |
| 5 | QPSK | 1 | 12 | 22.14 | 22.14 | 22.16 | | | | |
| 5 | QPSK | 1 | 24 | 22.25 | 22.23 | 22.04 | | | | |
| 5 | QPSK | 12 | 0 | 22.03 | 22.06 | 22.07 | 24 | 0 | | |
| 5 | QPSK | 12 | 7 | 22.03 | 22.07 | 22.01 | | | | |
| 5 | QPSK | 12 | 13 | 22.23 | 22.31 | 22.09 | | | | |
| 5 | 16QAM | 1 | 0 | 22.17 | 22.18 | 22.13 | 24 | 0 | | |
| 5 | 16QAM | 1 | 12 | 22.19 | 22.28 | 22.05 | | | | |
| 5 | 16QAM | 1 | 24 | 21.99 | 21.97 | 21.84 | 23.5 | 0.5 | | |
| 5 | 16QAM | 12 | 7 | 21.66 | 21.69 | 21.51 | | | | |
| 5 | 16QAM | 12 | 13 | 21.67 | 21.71 | 21.63 | | | | |
| 5 | 64QAM | 1 | 0 | 21.54 | 21.68 | 21.62 | 23.5 | 0.5 | | |
| 5 | 64QAM | 1 | 12 | 21.64 | 21.70 | 21.63 | | | | |
| 5 | 64QAM | 1 | 24 | 21.66 | 21.77 | 21.61 | | | | |
| 5 | 64QAM | 12 | 0 | 20.61 | 20.79 | 20.75 | 22.5 | 1.5 | | |
| 5 | 64QAM | 12 | 7 | 20.58 | 20.71 | 20.64 | | | | |
| 5 | 64QAM | 12 | 13 | 20.68 | 20.71 | 20.64 | | | | |
| 5 | 64QAM | 26 | 0 | 20.56 | 20.69 | 20.67 | 20.5 | 3.5 | | |
| 5 | 256QAM | 1 | 0 | 18.57 | 18.70 | 18.65 | 20.5 | 3.5 | | |
| 5 | 256QAM | 1 | 12 | 18.57 | 18.70 | 18.65 | | | | |
| 5 | 256QAM | 1 | 24 | 18.70 | 18.70 | 18.55 | | | | |
| 5 | 256QAM | 12 | 7 | 18.54 | 18.54 | 18.53 | 20.5 | 3.5 | | |
| 5 | 256QAM | 12 | 13 | 18.59 | 1 | | | | | |



| Band 38 Main PA Ant1 DS10 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 19.59 | 19.57 | 19.55 | 21 | 0 | | |
| 20 | QPSK | 1 | 49 | 19.56 | 19.59 | 19.40 | | | | |
| 20 | QPSK | 50 | 24 | 19.40 | 19.54 | 19.52 | | | | |
| 20 | QPSK | 50 | 0 | 19.47 | 19.56 | 19.41 | | | | |
| 20 | QPSK | 50 | 24 | 19.37 | 19.54 | 19.19 | 21 | 0 | | |
| 20 | 16QAM | 1 | 0 | 19.59 | 19.54 | 19.50 | 21 | 0 | | |
| 20 | 16QAM | 1 | 49 | 19.48 | 19.60 | 19.51 | | | | |
| 20 | 16QAM | 1 | 99 | 19.50 | 19.57 | 19.52 | | | | |
| 20 | 16QAM | 50 | 0 | 19.32 | 19.62 | 19.46 | 21 | 0 | | |
| 20 | 16QAM | 50 | 24 | 19.45 | 19.44 | 19.46 | | | | |
| 20 | 16QAM | 50 | 50 | 19.29 | 19.37 | 19.23 | | | | |
| 20 | 64QAM | 100 | 0 | 19.33 | 19.48 | 19.35 | | | | |
| 20 | 64QAM | 1 | 49 | 19.33 | 19.31 | 19.51 | 21 | 0 | | |
| 20 | 64QAM | 1 | 99 | 19.24 | 19.26 | 19.16 | | | | |
| 20 | 64QAM | 50 | 0 | 19.44 | 19.44 | 19.31 | | | | |
| 20 | 64QAM | 50 | 24 | 19.42 | 19.41 | 19.50 | 21 | 0 | | |
| 20 | 64QAM | 50 | 50 | 19.48 | 19.44 | 19.31 | | | | |
| 20 | 64QAM | 100 | 0 | 19.43 | 19.35 | 19.41 | | | | |
| 20 | 256QAM | 1 | 0 | 18.51 | 18.55 | 18.56 | | | | |
| 20 | 256QAM | 1 | 49 | 18.48 | 18.66 | 18.52 | 20 | 1 | | |
| 20 | 256QAM | 1 | 99 | 18.48 | 18.52 | 18.67 | | | | |
| 20 | 256QAM | 50 | 0 | 18.54 | 18.57 | 18.73 | | | | |
| 20 | 256QAM | 50 | 24 | 18.54 | 18.57 | 18.73 | 20 | 1 | | |
| 20 | 256QAM | 50 | 50 | 18.51 | 18.56 | 18.89 | | | | |
| 20 | 256QAM | 100 | 0 | 18.52 | 18.75 | 18.74 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 19.59 | 19.57 | 19.55 | 21 | 0 | | |
| 15 | QPSK | 1 | 37 | 19.43 | 19.51 | 19.29 | | | | |
| 15 | QPSK | 1 | 74 | 19.40 | 19.37 | 19.38 | | | | |
| 15 | QPSK | 36 | 0 | 19.45 | 19.45 | 19.38 | | | | |
| 15 | QPSK | 36 | 20 | 19.19 | 19.49 | 19.19 | 21 | 0 | | |
| 15 | QPSK | 36 | 39 | 19.37 | 19.37 | 19.37 | | | | |
| 15 | QPSK | 75 | 0 | 19.24 | 19.32 | 19.45 | | | | |
| 15 | 16QAM | 1 | 0 | 19.54 | 19.48 | 19.13 | 21 | 0 | | |
| 15 | 16QAM | 1 | 37 | 19.58 | 19.52 | 19.48 | | | | |
| 15 | 16QAM | 1 | 74 | 19.42 | 19.39 | 19.48 | | | | |
| 15 | 16QAM | 36 | 0 | 19.32 | 19.54 | 19.45 | 21 | 0 | | |
| 15 | 16QAM | 36 | 20 | 19.24 | 19.30 | 19.45 | | | | |
| 15 | 16QAM | 36 | 39 | 19.23 | 19.28 | 19.05 | | | | |
| 15 | 16QAM | 75 | 0 | 19.27 | 19.34 | 19.46 | | | | |
| 15 | 64QAM | 1 | 0 | 19.35 | 19.37 | 19.37 | 21 | 0 | | |
| 15 | 64QAM | 1 | 37 | 19.33 | 19.15 | 19.30 | | | | |
| 15 | 64QAM | 1 | 74 | 19.06 | 19.17 | 19.04 | | | | |
| 15 | 64QAM | 36 | 0 | 19.33 | 19.42 | 19.37 | 21 | 0 | | |
| 15 | 64QAM | 36 | 20 | 19.34 | 19.42 | 19.41 | | | | |
| 15 | 64QAM | 36 | 39 | 19.46 | 19.45 | 19.33 | | | | |
| 15 | 64QAM | 75 | 0 | 19.32 | 19.35 | 19.22 | | | | |
| 15 | 256QAM | 1 | 0 | 18.39 | 18.51 | 18.42 | 20 | 1 | | |
| 15 | 256QAM | 1 | 37 | 18.56 | 18.52 | 18.45 | | | | |
| 15 | 256QAM | 1 | 74 | 18.45 | 18.57 | 18.51 | | | | |
| 15 | 256QAM | 36 | 0 | 18.84 | 18.85 | 18.82 | 20 | 1 | | |
| 15 | 256QAM | 36 | 20 | 18.83 | 18.83 | 18.81 | | | | |
| 15 | 256QAM | 36 | 39 | 18.86 | 18.86 | 18.86 | | | | |
| 15 | 256QAM | 75 | 0 | 18.80 | 18.88 | 18.84 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 19.38 | 19.47 | 19.40 | 21 | 0 | | |
| 10 | QPSK | 1 | 25 | 19.38 | 19.49 | 19.27 | | | | |
| 10 | QPSK | 1 | 49 | 19.45 | 19.62 | 19.48 | | | | |
| 10 | QPSK | 25 | 0 | 19.25 | 19.49 | 19.45 | 21 | 0 | | |
| 10 | QPSK | 25 | 12 | 19.23 | 19.52 | 19.08 | | | | |
| 10 | QPSK | 25 | 25 | 19.21 | 19.49 | 19.36 | | | | |
| 10 | 16QAM | 1 | 0 | 19.55 | 19.55 | 19.19 | 21 | 0 | | |
| 10 | 16QAM | 1 | 25 | 19.52 | 19.50 | 19.31 | | | | |
| 10 | 16QAM | 1 | 49 | 19.43 | 19.40 | 19.45 | | | | |
| 10 | 16QAM | 25 | 0 | 19.27 | 19.52 | 19.40 | 21 | 0 | | |
| 10 | 16QAM | 25 | 12 | 19.20 | 19.28 | 19.39 | | | | |
| 10 | 16QAM | 25 | 25 | 19.20 | 19.36 | 19.11 | | | | |
| 10 | 16QAM | 50 | 0 | 19.28 | 19.33 | 19.47 | | | | |
| 10 | 64QAM | 1 | 0 | 19.32 | 19.48 | 19.46 | 21 | 0 | | |
| 10 | 64QAM | 1 | 25 | 19.21 | 19.17 | 19.49 | | | | |
| 10 | 64QAM | 1 | 49 | 19.07 | 19.21 | 19.18 | | | | |
| 10 | 64QAM | 25 | 0 | 19.37 | 19.49 | 19.42 | 21 | 0 | | |
| 10 | 64QAM | 25 | 12 | 19.41 | 19.39 | 19.52 | | | | |
| 10 | 64QAM | 25 | 25 | 19.31 | 19.22 | 19.12 | | | | |
| 10 | 64QAM | 50 | 0 | 19.24 | 19.36 | 19.31 | | | | |
| 10 | 256QAM | 1 | 0 | 18.42 | 18.59 | 18.47 | | | | |
| 10 | 256QAM | 1 | 25 | 18.45 | 18.61 | 18.47 | 20 | 1 | | |
| 10 | 256QAM | 1 | 49 | 18.43 | 18.48 | 18.51 | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.86 | 18.77 | 20 | 1 | | |
| 10 | 256QAM | 25 | 12 | 18.77 | 18.83 | 18.64 | | | | |
| 10 | 256QAM | 25 | 25 | 18.87 | 18.86 | 18.76 | | | | |
| 10 | 256QAM | 50 | 0 | 18.88 | 18.71 | 18.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 19.48 | 19.50 | 19.44 | 21 | 0 | | |
| 5 | QPSK | 1 | 19 | 19.37 | 19.60 | 19.38 | | | | |
| 5 | QPSK | 1 | 24 | 19.27 | 19.53 | 19.42 | | | | |
| 5 | QPSK | 12 | 0 | 19.34 | 19.41 | 19.26 | 21 | 0 | | |
| 5 | QPSK | 12 | 7 | 19.36 | 19.52 | 19.09 | | | | |
| 5 | QPSK | 12 | 19 | 19.19 | 19.50 | 19.42 | | | | |
| 5 | QPSK | 25 | 0 | 19.41 | 19.31 | 19.23 | | | | |
| 5 | QPSK | 25 | 0 | 19.37 | 19.48 | 19.25 | | | | |
| 5 | 16QAM | 1 | 12 | 19.58 | 19.42 | 19.17 | 21 | 0 | | |
| 5 | 16QAM | 1 | 24 | 19.47 | 19.46 | 19.02 | | | | |
| 5 | 16QAM | 12 | 0 | 19.32 | 19.42 | 19.46 | 21 | 0 | | |
| 5 | 16QAM | 12 | 7 | 19.43 | 19.43 | 19.30 | | | | |
| 5 | 16QAM | 12 | 13 | 19.20 | 19.20 | 19.21 | | | | |
| 5 | 16QAM | 25 | 0 | 19.25 | 19.42 | 19.41 | | | | |
| 5 | 64QAM | 1 | 0 | 19.21 | 19.30 | 19.50 | 21 | 0 | | |
| 5 | 64QAM | 1 | 12 | 19.33 | 19.13 | 19.45 | | | | |
| 5 | 64QAM | 1 | 24 | 19.24 | 19.26 | 19.11 | | | | |
| 5 | 64QAM | 12 | 0 | 19.20 | 19.42 | 19.22 | 21 | 0 | | |
| 5 | 64QAM | 12 | 7 | 19.20 | 19.39 | 19.40 | | | | |
| 5 | 64QAM | 12 | 13 | 19.45 | 19.42 | 19.15 | | | | |
| 5 | 64QAM | 25 | 0 | 19.37 | 19.35 | 19.26 | | | | |
| 5 | 256QAM | 1 | 0 | 18.40 | 18.57 | 18.45 | | | | |
| 5 | 256QAM | 1 | 12 | 18.54 | 18.58 | 18.41 | 20 | 1 | | |
| 5 | 256QAM | 1 | 24 | 18.37 | 18.58 | 18.43 | | | | |
| 5 | 256QAM | 12 | 0 | 18.87 | 18.83 | 18.72 | | | | |
| 5 | 256QAM | 12 | 7 | 18.80 | 18.84 | 18.60 | 20 | 1 | | |
| 5 | 256QAM | 12 | 13 | 18.85 | 18.89 | 18.77 | | | | |
| 5 | 256QAM | 25 | 0 | 18.83 | 18.88 | 18.61 | | | | |

| Band 41 Main PA Ant1 DS10 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 19.59 | 19.57 | 19.55 | 20.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 19.65 | 19.77 | 19.81 | | | | |
| 20 | QPSK | 50 | 24 | 19.40 | 19.54 | 19.52 | | | | |
| 20 | QPSK | 50 | 0 | 19.30 | 19.44 | 19.37 | | | | |
| 20 | QPSK | 50 | 24 | 19.38 | 19.36 | 19.51 | 20.5 | 0 | | |
| 20 | QPSK | 50 | 50 | 19.34 | 19.32 | 19.34 | | | | |
| 20 | 16QAM | 100 | 0 | 19.37 | 19.37 | 19.43 | | | | |
| 20 | 16QAM | 1 | 0 | 19.55 | 19.49 | 19.51 | 20.5 | 0 | | |
| 20 | 16QAM | 1 | 49 | 19.30 | 19.25 | 19.33 | | | | |
| 20 | 16QAM | 1 | 99 | 19.46 | 19.58 | 19.70 | | | | |
| 20 | 16QAM | 50 | 0 | 19.43 | 19.46 | 19.46 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 24 | 19.27 | 19.45 | 19.42 | | | | |
| 20 | 16QAM | 50 | 50 | 19.49 | 19.57 | 19.63 | 20.5 | 0 | | |
| 20 | 64QAM | 100 | 0 | 19.44 | 19.49 | 19.26 | | | | |
| 20 | 64QAM | 1 | 0 | 19.55 | 19.13 | 19.11 | 20.5 | 0 | | |
| 20 | 64QAM | 1 | 49 | 19.67 | 19.10 | 19.25 | | | | |
| 20 | 64QAM | 1 | 99 | 19.20 | 19.23 | 19.21</ | | | | |



| Band 42 FCC Part27Q Main PA Ant1 DS10 | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | |
| Channel | | | | 42190 | 42690 | 42990 | | | |
| Frequency (MHz) | | | | 34213 | 35700 | 36423 | | | |
| 20 | QPSK | 1 | 0 | 19.96 | 20.02 | 19.91 | 21.5 | 0 | |
| 20 | QPSK | 1 | 49 | 19.82 | 19.83 | 19.89 | | | |
| 20 | QPSK | 1 | 99 | 19.73 | 19.80 | 19.79 | | | |
| 20 | QPSK | 50 | 0 | 19.87 | 19.87 | 19.82 | | | |
| 20 | QPSK | 50 | 24 | 19.72 | 19.76 | 19.71 | | | |
| 20 | QPSK | 50 | 50 | 19.76 | 19.76 | 19.82 | | | |
| 20 | QPSK | 100 | 0 | 19.74 | 19.84 | 19.82 | | | |
| 20 | 16QAM | 1 | 0 | 19.87 | 19.79 | 19.51 | 21.5 | 0 | |
| 20 | 16QAM | 1 | 49 | 19.84 | 19.71 | 19.52 | | | |
| 20 | 16QAM | 1 | 99 | 19.80 | 19.69 | 19.51 | | | |
| 20 | 16QAM | 50 | 0 | 19.81 | 19.59 | 19.46 | | | |
| 20 | 16QAM | 50 | 24 | 19.84 | 19.59 | 19.51 | | | |
| 20 | 16QAM | 50 | 50 | 19.55 | 19.63 | 19.59 | 21.5 | 0 | |
| 20 | 16QAM | 100 | 0 | 19.51 | 19.59 | 19.54 | | | |
| 20 | 16QAM | 100 | 24 | 19.84 | 19.59 | 19.59 | 21.5 | 0 | |
| 20 | 16QAM | 100 | 50 | 19.54 | 19.52 | 19.57 | | | |
| 20 | 16QAM | 50 | 0 | 19.50 | 19.58 | 19.54 | | | |
| 20 | 16QAM | 50 | 24 | 19.55 | 19.52 | 19.56 | 21.5 | 0 | |
| 20 | 16QAM | 50 | 50 | 19.55 | 19.67 | 19.60 | | | |
| 20 | 16QAM | 100 | 0 | 19.84 | 19.55 | 19.64 | | | |
| 20 | 256QAM | 1 | 0 | 18.16 | 18.27 | 18.22 | 20 | 1.5 | |
| 20 | 256QAM | 1 | 49 | 18.20 | 18.33 | 18.21 | | | |
| 20 | 256QAM | 1 | 99 | 18.21 | 18.26 | 18.17 | | | |
| 20 | 256QAM | 50 | 0 | 18.20 | 18.20 | 18.24 | | | |
| 20 | 256QAM | 50 | 24 | 18.11 | 18.21 | 18.20 | 20 | 1.5 | |
| 20 | 256QAM | 50 | 50 | 18.19 | 18.24 | 18.12 | | | |
| 20 | 256QAM | 100 | 0 | 18.23 | 18.23 | 18.23 | | | |
| Channel | | | | 42165 | 42590 | 43015 | | | |
| Frequency (MHz) | | | | 34213 | 35700 | 36423 | | | |
| 15 | QPSK | 1 | 0 | 19.15 | 19.16 | 19.20 | 21.5 | 0 | |
| 15 | QPSK | 1 | 37 | 19.17 | 19.87 | 19.88 | | | |
| 15 | QPSK | 1 | 74 | 19.12 | 19.82 | 19.86 | | | |
| 15 | QPSK | 36 | 0 | 19.71 | 19.82 | 19.81 | | | |
| 15 | QPSK | 36 | 20 | 19.70 | 19.85 | 19.76 | 21.5 | 0 | |
| 15 | QPSK | 75 | 0 | 19.82 | 19.89 | 19.93 | | | |
| 15 | 16QAM | 1 | 0 | 19.84 | 19.77 | 19.65 | 21.5 | 0 | |
| 15 | 16QAM | 1 | 37 | 19.73 | 19.75 | 19.82 | | | |
| 15 | 16QAM | 1 | 74 | 19.82 | 19.81 | 19.54 | | | |
| 15 | 16QAM | 36 | 0 | 19.87 | 19.76 | 19.80 | 21.5 | 0 | |
| 15 | 16QAM | 36 | 20 | 19.82 | 19.86 | 19.84 | | | |
| 15 | 16QAM | 36 | 39 | 19.51 | 19.89 | 19.53 | 21.5 | 0 | |
| 15 | 16QAM | 75 | 0 | 19.87 | 19.58 | 19.58 | | | |
| 15 | 16QAM | 75 | 0 | 19.50 | 19.58 | 19.71 | 21.5 | 0 | |
| 15 | 16QAM | 1 | 37 | 19.54 | 19.54 | 19.52 | | | |
| 15 | 16QAM | 1 | 74 | 19.53 | 19.56 | 19.56 | | | |
| 15 | 16QAM | 36 | 0 | 19.50 | 19.80 | 19.59 | 21.5 | 0 | |
| 15 | 16QAM | 36 | 20 | 19.81 | 19.52 | 19.66 | | | |
| 15 | 16QAM | 36 | 39 | 19.56 | 19.88 | 19.51 | 21.5 | 0 | |
| 15 | 16QAM | 75 | 0 | 19.76 | 19.54 | 19.51 | | | |
| 15 | 256QAM | 1 | 0 | 18.13 | 18.24 | 18.08 | 20 | 1.5 | |
| 15 | 256QAM | 1 | 37 | 18.16 | 18.24 | 18.15 | | | |
| 15 | 256QAM | 1 | 74 | 18.16 | 18.20 | 18.05 | | | |
| 15 | 256QAM | 36 | 0 | 18.09 | 18.26 | 18.21 | 20 | 1.5 | |
| 15 | 256QAM | 36 | 20 | 18.01 | 18.09 | 18.08 | | | |
| 15 | 256QAM | 36 | 39 | 18.07 | 18.16 | 18.10 | | | |
| 15 | 256QAM | 75 | 0 | 18.16 | 18.16 | 18.00 | 20 | 1.5 | |
| Channel | | | | 42165 | 42590 | 43015 | | | |
| Frequency (MHz) | | | | 34213 | 35700 | 36423 | | | |
| 10 | QPSK | 1 | 0 | 19.79 | 19.79 | 19.78 | 21.5 | 0 | |
| 10 | QPSK | 1 | 25 | 19.79 | 19.82 | 19.78 | | | |
| 10 | QPSK | 1 | 49 | 19.73 | 19.58 | 19.65 | | | |
| 10 | QPSK | 25 | 0 | 19.70 | 19.76 | 19.73 | 21.5 | 0 | |
| 10 | QPSK | 25 | 12 | 19.76 | 19.87 | 19.73 | | | |
| 10 | QPSK | 25 | 25 | 19.81 | 19.81 | 19.68 | | | |
| 10 | QPSK | 1 | 0 | 19.84 | 19.74 | 19.68 | 21.5 | 0 | |
| 10 | 16QAM | 1 | 0 | 19.70 | 19.74 | 19.59 | | | |
| 10 | 16QAM | 1 | 25 | 19.86 | 19.77 | 19.60 | 21.5 | 0 | |
| 10 | 16QAM | 1 | 49 | 19.84 | 19.80 | 19.60 | | | |
| 10 | 16QAM | 25 | 0 | 19.50 | 19.54 | 19.65 | 21.5 | 0 | |
| 10 | 16QAM | 25 | 12 | 19.82 | 19.82 | 19.74 | | | |
| 10 | 16QAM | 25 | 25 | 19.51 | 19.63 | 19.79 | | | |
| 10 | 16QAM | 50 | 0 | 19.56 | 19.58 | 19.57 | | | |
| 10 | 16QAM | 50 | 0 | 19.50 | 19.54 | 19.65 | 21.5 | 0 | |
| 10 | 16QAM | 25 | 0 | 19.50 | 19.54 | 19.65 | | | |
| 10 | 16QAM | 25 | 12 | 19.84 | 19.71 | 19.52 | 21.5 | 0 | |
| 10 | 16QAM | 25 | 25 | 19.55 | 19.65 | 19.50 | | | |
| 10 | 16QAM | 50 | 0 | 19.50 | 19.57 | 19.71 | | | |
| 10 | 16QAM | 50 | 12 | 19.66 | 19.56 | 19.57 | 21.5 | 0 | |
| 10 | 16QAM | 50 | 25 | 19.54 | 19.55 | 19.65 | | | |
| 10 | 16QAM | 50 | 0 | 19.66 | 19.56 | 19.56 | | | |
| 10 | 256QAM | 1 | 0 | 18.03 | 18.12 | 18.06 | 20 | 1.5 | |
| 10 | 256QAM | 1 | 25 | 18.09 | 18.20 | 18.06 | | | |
| 10 | 256QAM | 1 | 49 | 18.14 | 18.19 | 18.06 | | | |
| 10 | 256QAM | 25 | 0 | 18.14 | 18.25 | 18.05 | 20 | 1.5 | |
| 10 | 256QAM | 25 | 12 | 18.06 | 18.11 | 18.05 | | | |
| 10 | 256QAM | 25 | 25 | 18.16 | 18.14 | 18.01 | | | |
| 10 | 256QAM | 50 | 0 | 18.14 | 18.12 | 18.07 | 20 | 1.5 | |
| Channel | | | | 42165 | 42590 | 43015 | | | |
| Frequency (MHz) | | | | 34213 | 35700 | 36423 | | | |
| 5 | QPSK | 1 | 0 | 19.80 | 19.88 | 19.72 | 21.5 | 0 | |
| 5 | QPSK | 1 | 12 | 19.73 | 19.81 | 19.26 | | | |
| 5 | QPSK | 1 | 24 | 19.86 | 19.83 | 19.87 | | | |
| 5 | QPSK | 12 | 0 | 19.56 | 19.80 | 19.50 | 21.5 | 0 | |
| 5 | QPSK | 12 | 7 | 19.76 | 19.72 | 19.72 | | | |
| 5 | QPSK | 12 | 13 | 19.77 | 19.78 | 19.58 | | | |
| 5 | QPSK | 1 | 0 | 19.82 | 19.86 | 19.83 | | | |
| 5 | 16QAM | 1 | 0 | 19.72 | 19.81 | 19.52 | 21.5 | 0 | |
| 5 | 16QAM | 1 | 12 | 19.83 | 19.80 | 19.81 | | | |
| 5 | 16QAM | 1 | 24 | 19.72 | 19.76 | 19.81 | | | |
| 5 | 16QAM | 12 | 0 | 19.71 | 19.80 | 19.71 | 21.5 | 0 | |
| 5 | 16QAM | 12 | 7 | 19.75 | 19.67 | 19.63 | | | |
| 5 | 16QAM | 12 | 13 | 19.80 | 19.82 | 19.69 | | | |
| 5 | 16QAM | 24 | 0 | 19.54 | 19.66 | 19.58 | | | |
| 5 | 16QAM | 1 | 0 | 19.81 | 19.58 | 19.71 | 21.5 | 0 | |
| 5 | 16QAM | 1 | 12 | 19.87 | 19.63 | 19.84 | | | |
| 5 | 16QAM | 1 | 24 | 19.82 | 19.62 | 19.63 | | | |
| 5 | 16QAM | 12 | 0 | 19.81 | 19.70 | 19.58 | 21.5 | 0 | |
| 5 | 16QAM | 12 | 7 | 19.80 | 19.84 | 19.88 | | | |
| 5 | 16QAM | 12 | 13 | 19.84 | 19.73 | 19.51 | | | |
| 5 | 16QAM | 24 | 0 | 19.60 | 19.64 | 19.88 | | | |
| 5 | 256QAM | 1 | 0 | 18.06 | 18.23 | 18.10 | 20 | 1.5 | |
| 5 | 256QAM | 1 | 12 | 18.12 | 18.29 | 18.08 | | | |
| 5 | 256QAM | 1 | 24 | 18.06 | 18.16 | 18.03 | | | |
| 5 | 256QAM | 12 | 0 | 18.11 | 18.21 | 18.10 | 20 | 1.5 | |
| 5 | 256QAM | 12 | 7 | 18.00 | 18.13 | 18.00 | | | |
| 5 | 256QAM | 12 | 13 | 18.15 | 18.17 | 18.02 | | | |
| 5 | 256QAM | 25 | 0 | 18.08 | 18.14 | 18.01 | 20 | 1.5 | |

| Band 48 FCC Main PA Ant1 DS10 | | | | | | | | | |
|-------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | |
| Channel | | | | 56590 | 56890 | 56160 | | | |
| Frequency (MHz) | | | | 56640 | 56940 | 56640 | | | |
| 20 | QPSK | 1 | 0 | 20.00 | 20.02 | 20.10 | 21.5 | 0 | |
| 20 | QPSK | 1 | 49 | 19.86 | 20.02 | 20.02 | | | |
| 20 | QPSK | 1 | 99 | 20.00 | 20.10 | 19.97 | | | |
| 20 | QPSK | 50 | 0 | 19.78 | 20.02 | 19.91 | | | |
| 20 | QPSK | 50 | 24 | 19.77 | 19.91 | 19.82 | 21.5 | 0 | |
| 20 | QPSK | 50 | 50 | 19.76 | 19.91 | 19.82 | | | |
| 20 | 16QAM | 1 | 0 | 19.76 | 19.79 | 19.82 | 21.5 | 0 | |
| 20 | 16QAM | 1 | 49 | 19.75 | 19.77 | 19.76 | | | |
| 20 | 16QAM | 1 | 99 | 19.85 | 19.83 | 19.74 | | | |
| 20 | 16QAM | 50 | 0 | 19.71 | 19.89 | 19.71 | 21.5 | 0 | |
| 20 | 16QAM | 50 | 24 | 19.82 | 19.69 | 19.76 | | | |
| 20 | 16QAM | 50 | 50 | 19.66 | 19.70 | 19.81 | | | |
| 20 | 16QAM | 100 | 0 | 19.69 | 19.73 | 19.67 | | | |
| 20 | 16QAM | 100 | 24 | 19.50 | 19.75 | 19.61 | 21.5 | 0 | |
| 20 | 16QAM | 100 | 49 | 19.69 | 19.78 | 19.67 | | | |
| 20 | 16QAM | 50 | 0 | 19.84 | 19.82 | 19.84 | | | |
| 20 | 16QAM | 50 | 24 | 19.68 | 19.79 | 19.70 | 21.5 | 0 | |
| 20 | 16QAM | 50 | 50 | 19.74 | 19.83 | 19.85 | | | |
| 20 | 16QAM | 100 | 0 | 19.66 | 19.74 | 19.70 | | | |
| 20 | 256QAM | 1 | 0 | 18.20 | 18.32 | 18.22 | 20 | 1.5 | |
| 20 | 256QAM | 1 | 49 | 18.26 | 18.47 | 18.44 | | | |
| 20 | 256QAM | 1 | 99 | 18.37 | 18.42 | 18.36 | | | |
| 20 | 256QAM | 50 | 0 | 18.21 | 18.30 | 18.25 | | | |
| 20 | 256QAM | 50 | 24 | 18.21 | 18.30 | 18.23 | 20 | 1.5 | |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.32 | 18.20 | | | |
| 20 | 256QAM | 100 | 0 | 18.34 | 18.44 | 18.31 | | | |
| Channel | | | | 56515 | 56940 | 56160 | | | |
| Frequency (MHz) | | | | 56640 | 56940 | 56640 | | | |
| 15 | QPSK | 1 | 0 | 20.00 | 20.00 | 20.10 | 21.5 | 0 | |
| 15 | QPSK | 1 | 37 | 19.90 | 19.90 | 19.96 | | | |
| 15 | QPSK | 1 | 74 | 19.90 | 19.93 | 19.82 | | | |
| 15 | QPSK | 36 | 0 | 19.82 | 19.86 | 19.74 | 21.5 | 0 | |
| 15 | QPSK | 36 | 20 | 19.76 | 19.88 | 19.56 | | | |
| 15 | QPSK | 75 | 0 | 19.88 | 19.85 | 19.81 | | | |



| GSM1900 AKEZ Default | | | | | | |
|----------------------|---------------------------|-------|--------|---------------------------|-------|--------|
| Beam | Burst Average Power (dBm) | | | Flare Average Power (dBm) | | |
| Tx Channel | 812 | 814 | 816 | 812 | 814 | 816 |
| Frequency (MHz) | 1853.2 | 1855 | 1856.8 | 1853.2 | 1855 | 1856.8 |
| OPRS 1 Tx site | 23.39 | 23.82 | 23.53 | 21.59 | 22.09 | 21.93 |
| OPRS 2 Tx site | 23.92 | 23.01 | 23.30 | 21.92 | 21.01 | 21.95 |
| OPRS 3 Tx site | 21.08 | 21.11 | 21.03 | 21.08 | 21.11 | 21.03 |
| OPRS 4 Tx site | 23.21 | 23.24 | 23.26 | 20.95 | 21.08 | 21.00 |
| EDGE 1 Tx site | 23.92 | 24.02 | 23.90 | 20.92 | 21.02 | 20.90 |
| EDGE 2 Tx site | 23.15 | 23.21 | 23.19 | 17.15 | 17.28 | 17.18 |
| EDGE 3 Tx site | 23.36 | 23.44 | 23.35 | 24.00 | 17.36 | 17.44 |
| EDGE 4 Tx site | 23.54 | 23.58 | 23.60 | 21.00 | 17.54 | 17.60 |

| WCDMA 8 AKEZ Default | | | | | | |
|----------------------|---------|-------|--------|----------|-------|--------|
| Beam | WCDMA 8 | | | WCDMA 14 | | |
| Tx Channel | 8482 | 8480 | 8488 | 8482 | 8480 | 8488 |
| Frequency (MHz) | 1852.4 | 1850 | 1857.6 | 1712.4 | 1710 | 1719.6 |
| ISPP Rel 99 | 23.47 | 23.50 | 23.53 | 25.00 | 23.43 | 23.49 |
| ISPP Rel 99 | 23.50 | 23.61 | 23.66 | 25.00 | 23.60 | 23.67 |
| ISPP Rel 99 | 22.48 | 22.69 | 22.83 | 24.00 | 22.52 | 22.58 |
| ISPP Rel 99 | 22.54 | 22.65 | 22.70 | 24.00 | 22.57 | 22.60 |
| ISPP Rel 99 | 22.09 | 22.11 | 22.02 | 23.00 | 22.07 | 22.10 |
| ISPP Rel 99 | 22.00 | 22.02 | 22.00 | 23.00 | 21.94 | 22.01 |
| ISPP Rel 99 | 22.56 | 22.53 | 22.57 | 24.00 | 22.54 | 22.59 |
| ISPP Rel 99 | 22.48 | 22.55 | 22.46 | 24.00 | 22.47 | 22.55 |
| ISPP Rel 99 | 21.90 | 21.01 | 21.93 | 23.00 | 21.94 | 21.93 |
| ISPP Rel 99 | 21.90 | 22.02 | 21.98 | 23.00 | 21.82 | 21.98 |
| ISPP Rel 99 | 22.24 | 22.47 | 22.50 | 24.00 | 22.24 | 22.47 |
| ISPP Rel 99 | 20.08 | 20.05 | 20.02 | 22.00 | 20.05 | 20.04 |
| ISPP Rel 99 | 21.62 | 21.71 | 21.68 | 23.00 | 21.62 | 21.63 |
| ISPP Rel 99 | 20.46 | 20.50 | 20.51 | 22.00 | 20.46 | 20.50 |
| ISPP Rel 99 | 22.39 | 22.40 | 22.42 | 24.00 | 22.40 | 22.48 |
| ISPP Rel 99 | 20.87 | 20.14 | 20.88 | 21.00 | 20.11 | 20.89 |



| Band 2 Main PA Ant2 | | | | | | | | | | |
|---------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|----|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Time-up limit (sec) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| 1860 1860 1900 | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.54 | 23.60 | 23.67 | | | | |
| 20 | QPSK | 1 | 49 | 23.40 | 23.47 | 23.45 | | | 25 | 0 |
| 20 | QPSK | 1 | 99 | 23.40 | 23.47 | 23.45 | | | | |
| 20 | QPSK | 50 | 0 | 22.64 | 22.70 | 22.75 | | | | |
| 20 | QPSK | 50 | 24 | 22.67 | 22.68 | 22.69 | | | 24 | 1 |
| 20 | QPSK | 50 | 50 | 22.62 | 22.66 | 22.59 | | | | |
| 20 | QPSK | 100 | 0 | 22.62 | 22.75 | 22.71 | | | | |
| 20 | QPSK | 100 | 24 | 22.31 | 22.31 | 22.31 | | | | |
| 20 | QPSK | 100 | 49 | 22.67 | 22.73 | 22.81 | | | 24 | 1 |
| 20 | 16QAM | 1 | 0 | 21.81 | 21.84 | 21.84 | | | | |
| 20 | 16QAM | 1 | 99 | 21.80 | 21.82 | 21.82 | | | | |
| 20 | 16QAM | 50 | 0 | 21.80 | 21.79 | 21.82 | | | | |
| 20 | 16QAM | 50 | 24 | 21.87 | 21.74 | 21.81 | | | 23 | 2 |
| 20 | 16QAM | 50 | 50 | 21.85 | 21.74 | 21.81 | | | | |
| 20 | 16QAM | 100 | 0 | 21.81 | 21.84 | 21.84 | | | | |
| 20 | 16QAM | 100 | 24 | 21.78 | 21.88 | 21.78 | | | 23 | 2 |
| 20 | 16QAM | 100 | 49 | 21.81 | 21.88 | 21.83 | | | | |
| 20 | 16QAM | 50 | 0 | 20.75 | 20.79 | 20.75 | | | | |
| 20 | 16QAM | 50 | 24 | 20.96 | 20.70 | 20.61 | | | 22 | 3 |
| 20 | 16QAM | 50 | 50 | 20.99 | 20.69 | 20.65 | | | | |
| 20 | 16QAM | 100 | 0 | 20.59 | 20.69 | 20.55 | | | | |
| 20 | 16QAM | 100 | 24 | 18.98 | 18.97 | 18.97 | | | 20 | 5 |
| 20 | 16QAM | 100 | 49 | 18.98 | 18.72 | 18.58 | | | | |
| 20 | 16QAM | 50 | 0 | 18.98 | 18.80 | 18.70 | | | | |
| 20 | 16QAM | 50 | 24 | 18.98 | 18.68 | 18.54 | | | 20 | 5 |
| 20 | 16QAM | 50 | 50 | 18.90 | 18.60 | 18.45 | | | | |
| 20 | 16QAM | 100 | 0 | 18.90 | 18.71 | 18.57 | | | | |
| Channel | | | | | | | | | | |
| 1897.5 1890 1925.5 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.43 | 23.43 | 23.40 | | | | |
| 15 | QPSK | 1 | 37 | 23.36 | 23.42 | 23.30 | | | 25 | 0 |
| 15 | QPSK | 1 | 74 | 23.30 | 23.42 | 23.30 | | | | |
| 15 | QPSK | 36 | 0 | 22.58 | 22.69 | 22.68 | | | | |
| 15 | QPSK | 36 | 29 | 22.48 | 22.66 | 22.48 | | | 24 | 1 |
| 15 | QPSK | 36 | 39 | 22.46 | 22.57 | 22.49 | | | | |
| 15 | QPSK | 75 | 0 | 22.67 | 22.66 | 22.61 | | | | |
| 15 | QPSK | 75 | 0 | 22.67 | 22.66 | 22.77 | | | | |
| 15 | 16QAM | 1 | 0 | 21.57 | 21.57 | 21.57 | | | | |
| 15 | 16QAM | 1 | 37 | 21.58 | 21.67 | 21.59 | | | 24 | 1 |
| 15 | 16QAM | 1 | 74 | 21.57 | 21.58 | 21.58 | | | | |
| 15 | 16QAM | 36 | 0 | 21.57 | 21.59 | 21.59 | | | 23 | 2 |
| 15 | 16QAM | 36 | 29 | 21.60 | 21.60 | 21.60 | | | | |
| 15 | 16QAM | 75 | 0 | 21.63 | 21.61 | 21.55 | | | | |
| 15 | 16QAM | 75 | 0 | 21.72 | 21.84 | 21.77 | | | | |
| 15 | 16QAM | 1 | 37 | 21.63 | 21.63 | 21.63 | | | 23 | 2 |
| 15 | 16QAM | 1 | 74 | 21.72 | 21.75 | 21.75 | | | | |
| 15 | 16QAM | 36 | 0 | 20.71 | 20.64 | 20.61 | | | 22 | 3 |
| 15 | 16QAM | 36 | 29 | 20.48 | 20.68 | 20.47 | | | | |
| 15 | 16QAM | 36 | 39 | 20.48 | 20.53 | 20.45 | | | | |
| 15 | 16QAM | 75 | 0 | 20.49 | 20.60 | 20.46 | | | | |
| 15 | 16QAM | 75 | 0 | 20.49 | 20.60 | 20.46 | | | | |
| 15 | 16QAM | 1 | 37 | 18.48 | 18.58 | 18.47 | | | 20 | 5 |
| 15 | 16QAM | 1 | 74 | 18.48 | 18.70 | 18.58 | | | | |
| 15 | 16QAM | 36 | 0 | 18.50 | 18.60 | 18.50 | | | | |
| 15 | 16QAM | 36 | 29 | 18.52 | 18.64 | 18.40 | | | 20 | 5 |
| 15 | 16QAM | 36 | 39 | 18.41 | 18.54 | 18.38 | | | | |
| 15 | 16QAM | 75 | 0 | 18.52 | 18.65 | 18.47 | | | | |
| Channel | | | | | | | | | | |
| 1890 1890 1915 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.41 | 23.41 | 23.35 | | | | |
| 10 | QPSK | 1 | 25 | 23.34 | 23.41 | 23.35 | | | 25 | 0 |
| 10 | QPSK | 1 | 49 | 23.29 | 23.42 | 23.31 | | | | |
| 10 | QPSK | 12 | 0 | 22.56 | 22.66 | 22.66 | | | | |
| 10 | QPSK | 12 | 13 | 22.44 | 22.65 | 22.44 | | | 24 | 1 |
| 10 | QPSK | 25 | 0 | 22.44 | 22.65 | 22.44 | | | | |
| 10 | QPSK | 25 | 25 | 22.48 | 22.53 | 22.47 | | | | |
| 10 | QPSK | 50 | 0 | 22.67 | 22.66 | 22.61 | | | | |
| 10 | QPSK | 50 | 0 | 22.67 | 22.66 | 22.77 | | | | |
| 10 | 16QAM | 1 | 0 | 21.64 | 21.64 | 21.64 | | | | |
| 10 | 16QAM | 1 | 28 | 22.63 | 22.69 | 22.52 | | | 24 | 1 |
| 10 | 16QAM | 1 | 49 | 21.64 | 21.64 | 21.64 | | | | |
| 10 | 16QAM | 12 | 0 | 21.62 | 21.64 | 21.51 | | | | |
| 10 | 16QAM | 12 | 13 | 21.49 | 21.66 | 21.43 | | | 23 | 2 |
| 10 | 16QAM | 12 | 25 | 21.60 | 21.66 | 21.60 | | | | |
| 10 | 16QAM | 50 | 0 | 21.55 | 21.63 | 21.51 | | | | |
| 10 | 16QAM | 50 | 0 | 21.69 | 21.67 | 21.61 | | | | |
| 10 | 16QAM | 100 | 0 | 21.75 | 21.75 | 21.75 | | | | |
| 10 | 16QAM | 100 | 24 | 21.66 | 21.80 | 21.77 | | | 23 | 2 |
| 10 | 16QAM | 100 | 49 | 21.66 | 21.80 | 21.77 | | | | |
| 10 | 16QAM | 25 | 0 | 20.99 | 20.73 | 20.64 | | | 22 | 3 |
| 10 | 16QAM | 25 | 0 | 20.99 | 20.73 | 20.64 | | | | |
| 10 | 16QAM | 50 | 0 | 20.53 | 20.63 | 20.46 | | | | |
| 10 | 16QAM | 50 | 0 | 20.46 | 20.55 | 20.45 | | | | |
| 10 | 16QAM | 50 | 0 | 18.58 | 18.68 | 18.57 | | | | |
| 10 | 16QAM | 1 | 28 | 18.50 | 18.64 | 18.63 | | | 20 | 5 |
| 10 | 16QAM | 1 | 49 | 18.58 | 18.75 | 18.59 | | | | |
| 10 | 16QAM | 12 | 0 | 18.50 | 18.60 | 18.50 | | | | |
| 10 | 16QAM | 12 | 13 | 18.50 | 18.56 | 18.41 | | | 20 | 5 |
| 10 | 16QAM | 25 | 0 | 18.46 | 18.50 | 18.41 | | | | |
| 10 | 16QAM | 25 | 25 | 18.46 | 18.50 | 18.41 | | | | |
| 10 | 16QAM | 50 | 0 | 18.55 | 18.66 | 18.59 | | | | |
| Channel | | | | | | | | | | |
| 1892.5 1890 1917.5 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.41 | 23.41 | 23.35 | | | | |
| 5 | QPSK | 1 | 12 | 23.36 | 23.39 | 23.32 | | | 25 | 0 |
| 5 | QPSK | 1 | 24 | 23.32 | 23.35 | 23.32 | | | | |
| 5 | QPSK | 12 | 0 | 22.56 | 22.66 | 22.66 | | | | |
| 5 | QPSK | 12 | 7 | 22.54 | 22.54 | 22.44 | | | 24 | 1 |
| 5 | QPSK | 12 | 13 | 22.42 | 22.54 | 22.44 | | | | |
| 5 | QPSK | 25 | 0 | 22.48 | 22.66 | 22.48 | | | | |
| 5 | QPSK | 25 | 12 | 22.44 | 22.65 | 22.44 | | | 24 | 1 |
| 5 | QPSK | 50 | 0 | 22.67 | 22.66 | 22.61 | | | | |
| 5 | QPSK | 50 | 0 | 22.67 | 22.66 | 22.77 | | | | |
| 5 | 16QAM | 1 | 0 | 21.63 | 21.63 | 21.63 | | | | |
| 5 | 16QAM | 1 | 12 | 22.69 | 22.64 | 22.56 | | | 24 | 1 |
| 5 | 16QAM | 1 | 24 | 22.68 | 22.71 | 22.64 | | | | |
| 5 | 16QAM | 12 | 0 | 21.64 | 21.63 | 21.68 | | | | |
| 5 | 16QAM | 12 | 7 | 21.46 | 21.60 | 21.45 | | | 23 | 2 |
| 5 | 16QAM | 12 | 13 | 21.57 | 21.66 | 21.60 | | | | |
| 5 | 16QAM | 25 | 0 | 21.63 | 21.64 | 21.62 | | | | |
| 5 | 16QAM | 25 | 0 | 21.66 | 21.74 | 21.75 | | | 23 | 2 |
| 5 | 16QAM | 50 | 0 | 21.71 | 21.79 | 21.79 | | | | |
| 5 | 16QAM | 50 | 0 | 21.74 | 21.82 | 21.82 | | | | |
| 5 | 16QAM | 12 | 0 | 20.61 | 20.74 | 20.69 | | | 22 | 3 |
| 5 | 16QAM | 12 | 7 | 20.51 | 20.62 | 20.43 | | | | |
| 5 | 16QAM | 12 | 13 | 20.63 | 20.54 | 20.43 | | | | |
| 5 | 16QAM | 25 | 0 | 20.96 | 20.67 | 20.41 | | | | |
| 5 | 16QAM | 25 | 0 | 20.96 | 20.67 | 20.41 | | | | |
| 5 | 16QAM | 50 | 0 | 18.71 | 18.75 | 18.63 | | | 20 | 5 |
| 5 | 16QAM | 50 | 0 | 18.50 | 18.59 | 18.48 | | | | |
| 5 | 16QAM | 1 | 24 | 18.59 | 18.73 | 18.55 | | | | |
| 5 | 16QAM | 12 | 0 | 18.54 | 18.70 | 18.64 | | | | |
| 5 | 16QAM | 12 | 7 | 18.54 | 18.53 | 18.48 | | | 20 | 5 |
| 5 | 16QAM | 12 | 13 | 18.38 | 18.54 | 18.52 | | | | |
| 5 | 16QAM | 25 | 0 | 18.47 | 18.58 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| 1861.5 1860 1918.5 | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.47 | 23.55 | 23.35 | | | | |
| 3 | QPSK | 1 | 8 | 23.40 | 23.39 | 23.28 | | | 25 | 0 |
| 3 | QPSK | 1 | 14 | 23.34 | 23.37 | 23.33 | | | | |
| 3 | QPSK | 8 | 0 | 22.57 | 22.62 | 22.68 | | | | |
| 3 | QPSK | 8 | 4 | 22.44 | 22.60 | 22.49 | | | 24 | 1 |
| 3 | QPSK | 8 | 7 | 22.37 | 22.59 | 22.53 | | | | |
| 3 | QPSK | 15 | 0 | 22.59 | 22.69 | 22.64 | | | | |
| 3 | QPSK | 15 | 0 | 22.83 | 22.88 | 22.78 | | | | |



| Band 25 Main PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Turn-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.53 | 23.60 | 23.60 | 25 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.52 | 23.61 | 23.68 | | | | |
| 20 | QPSK | 1 | 99 | 23.45 | 23.51 | 23.46 | | | | |
| 20 | QPSK | 50 | 0 | 22.59 | 22.73 | 22.68 | | | | |
| 20 | QPSK | 50 | 24 | 22.57 | 22.64 | 22.64 | | | | |
| 20 | QPSK | 50 | 50 | 22.84 | 22.70 | 22.84 | 24 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.56 | 22.67 | 22.56 | | | | |
| 20 | 16QAM | 1 | 0 | 22.59 | 22.59 | 22.59 | | | | |
| 20 | 16QAM | 1 | 49 | 22.47 | 22.59 | 22.50 | 24 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.59 | 22.63 | 22.57 | | | | |
| 20 | 16QAM | 50 | 0 | 21.70 | 21.60 | 21.77 | | | | |
| 20 | 16QAM | 50 | 24 | 21.56 | 21.60 | 21.54 | | | | |
| 20 | 16QAM | 50 | 50 | 21.86 | 21.73 | 21.87 | | | | |
| 20 | 16QAM | 100 | 0 | 21.62 | 21.69 | 21.59 | | | | |
| 20 | 64QAM | 1 | 0 | 21.79 | 21.84 | 21.78 | | | | |
| 20 | 64QAM | 1 | 49 | 21.84 | 21.76 | 21.70 | 23 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.84 | 21.90 | 21.80 | | | | |
| 20 | 64QAM | 50 | 0 | 20.55 | 20.60 | 20.57 | | | | |
| 20 | 64QAM | 50 | 24 | 20.57 | 20.56 | 20.58 | | | | |
| 20 | 64QAM | 50 | 50 | 20.51 | 20.51 | 20.57 | 22 | 3 | | |
| 20 | 64QAM | 100 | 0 | 20.56 | 20.58 | 20.58 | | | | |
| 20 | 256QAM | 1 | 0 | 18.75 | 18.66 | 18.71 | | | | |
| 20 | 256QAM | 1 | 49 | 18.66 | 18.73 | 18.59 | 20 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.71 | 18.75 | 18.66 | | | | |
| 20 | 256QAM | 50 | 0 | 18.54 | 18.55 | 18.55 | | | | |
| 20 | 256QAM | 50 | 24 | 18.56 | 18.60 | 18.57 | | | | |
| 20 | 256QAM | 50 | 50 | 18.60 | 18.68 | 18.61 | 20 | 5 | | |
| 20 | 256QAM | 100 | 0 | 18.63 | 18.60 | 18.63 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.48 | 23.61 | 23.58 | 25 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.41 | 23.50 | 23.61 | | | | |
| 15 | QPSK | 1 | 74 | 23.35 | 23.46 | 23.39 | | | | |
| 15 | QPSK | 36 | 0 | 22.48 | 22.70 | 22.62 | | | | |
| 15 | QPSK | 36 | 20 | 22.45 | 22.50 | 22.50 | | | | |
| 15 | QPSK | 36 | 39 | 22.59 | 22.62 | 22.67 | 24 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.36 | 22.52 | 22.48 | | | | |
| 15 | 16QAM | 1 | 37 | 22.41 | 22.49 | 22.42 | 24 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.59 | 22.62 | 22.51 | | | | |
| 15 | 16QAM | 36 | 0 | 21.62 | 21.78 | 21.67 | | | | |
| 15 | 16QAM | 36 | 20 | 21.44 | 21.53 | 21.46 | 23 | 2 | | |
| 15 | 16QAM | 50 | 0 | 21.50 | 21.57 | 21.50 | | | | |
| 15 | 64QAM | 1 | 0 | 21.72 | 21.73 | 21.64 | | | | |
| 15 | 64QAM | 1 | 37 | 21.54 | 21.58 | 21.60 | 23 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.71 | 21.73 | 21.73 | | | | |
| 15 | 64QAM | 36 | 0 | 20.44 | 20.55 | 20.46 | | | | |
| 15 | 64QAM | 36 | 20 | 20.49 | 20.49 | 20.49 | | | | |
| 15 | 64QAM | 36 | 39 | 20.47 | 20.51 | 20.59 | 22 | 3 | | |
| 15 | 64QAM | 75 | 0 | 20.43 | 20.61 | 20.43 | | | | |
| 15 | 256QAM | 1 | 0 | 18.64 | 18.73 | 18.67 | | | | |
| 15 | 256QAM | 1 | 37 | 18.54 | 18.56 | 18.45 | 20 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.83 | 18.70 | 18.52 | | | | |
| 15 | 256QAM | 36 | 0 | 18.53 | 18.53 | 18.58 | | | | |
| 15 | 256QAM | 36 | 20 | 18.51 | 18.50 | 18.47 | | | | |
| 15 | 256QAM | 36 | 39 | 18.48 | 18.53 | 18.53 | 20 | 5 | | |
| 15 | 256QAM | 75 | 0 | 18.54 | 18.53 | 18.42 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.43 | 23.50 | 23.43 | 25 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.45 | 23.57 | 23.47 | | | | |
| 10 | QPSK | 1 | 49 | 23.37 | 23.45 | 23.38 | | | | |
| 10 | QPSK | 25 | 0 | 22.47 | 22.50 | 22.48 | | | | |
| 10 | QPSK | 25 | 12 | 22.54 | 22.61 | 22.58 | | | | |
| 10 | QPSK | 25 | 25 | 22.50 | 22.66 | 22.63 | 24 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.38 | 22.52 | 22.48 | | | | |
| 10 | 16QAM | 1 | 25 | 22.33 | 22.56 | 22.42 | 24 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.53 | 22.58 | 22.51 | | | | |
| 10 | 16QAM | 25 | 0 | 21.58 | 21.78 | 21.63 | | | | |
| 10 | 16QAM | 25 | 12 | 21.45 | 21.67 | 21.51 | 23 | 2 | | |
| 10 | 16QAM | 50 | 0 | 21.60 | 21.68 | 21.64 | | | | |
| 10 | 16QAM | 50 | 0 | 21.54 | 21.50 | 21.54 | | | | |
| 10 | 64QAM | 1 | 0 | 21.67 | 21.73 | 21.70 | | | | |
| 10 | 64QAM | 1 | 25 | 21.50 | 21.68 | 21.63 | 23 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.81 | 21.83 | 21.72 | | | | |
| 10 | 64QAM | 25 | 0 | 20.47 | 20.59 | 20.46 | | | | |
| 10 | 64QAM | 25 | 12 | 20.45 | 20.45 | 20.48 | | | | |
| 10 | 64QAM | 25 | 25 | 20.55 | 20.60 | 20.61 | 22 | 3 | | |
| 10 | 64QAM | 50 | 0 | 20.41 | 20.63 | 20.46 | | | | |
| 10 | 256QAM | 1 | 0 | 18.65 | 18.73 | 18.58 | | | | |
| 10 | 256QAM | 1 | 25 | 18.63 | 18.64 | 18.51 | 20 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.67 | 18.60 | 18.61 | | | | |
| 10 | 256QAM | 25 | 0 | 18.51 | 18.50 | 18.57 | | | | |
| 10 | 256QAM | 25 | 12 | 18.45 | 18.50 | 18.50 | | | | |
| 10 | 256QAM | 25 | 25 | 18.50 | 18.50 | 18.57 | 20 | 5 | | |
| 10 | 256QAM | 50 | 0 | 18.49 | 18.60 | 18.42 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.43 | 23.50 | 23.43 | 25 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.45 | 23.53 | 23.50 | | | | |
| 5 | QPSK | 1 | 24 | 23.33 | 23.39 | 23.41 | | | | |
| 5 | QPSK | 12 | 0 | 22.50 | 22.54 | 22.62 | | | | |
| 5 | QPSK | 12 | 7 | 22.43 | 22.52 | 22.58 | | | | |
| 5 | QPSK | 12 | 13 | 22.57 | 22.64 | 22.61 | 24 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.48 | 22.54 | 22.50 | | | | |
| 5 | 16QAM | 1 | 0 | 22.48 | 22.53 | 22.51 | | | | |
| 5 | 16QAM | 1 | 12 | 22.35 | 22.47 | 22.38 | 24 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.50 | 22.56 | 22.51 | | | | |
| 5 | 16QAM | 12 | 0 | 21.60 | 21.73 | 21.62 | | | | |
| 5 | 16QAM | 12 | 7 | 21.41 | 21.67 | 21.50 | 23 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.54 | 21.62 | 21.52 | | | | |
| 5 | 64QAM | 1 | 0 | 21.47 | 21.54 | 21.49 | | | | |
| 5 | 64QAM | 1 | 12 | 21.50 | 21.68 | 21.63 | 23 | 2 | | |
| 5 | 64QAM | 1 | 24 | 21.77 | 21.80 | 21.74 | | | | |
| 5 | 64QAM | 12 | 0 | 20.52 | 20.62 | 20.48 | | | | |
| 5 | 64QAM | 12 | 7 | 20.50 | 20.50 | 20.54 | | | | |
| 5 | 64QAM | 12 | 13 | 20.56 | 20.67 | 20.55 | 22 | 3 | | |
| 5 | 64QAM | 25 | 0 | 20.51 | 20.56 | 20.49 | | | | |
| 5 | 256QAM | 1 | 0 | 18.60 | 18.73 | 18.60 | | | | |
| 5 | 256QAM | 1 | 12 | 18.58 | 18.60 | 18.48 | 20 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.60 | 18.66 | 18.57 | | | | |
| 5 | 256QAM | 12 | 0 | 18.54 | 18.50 | 18.58 | | | | |
| 5 | 256QAM | 12 | 7 | 18.41 | 18.52 | 18.50 | | | | |
| 5 | 256QAM | 12 | 13 | 18.50 | 18.60 | 18.50 | 20 | 5 | | |
| 5 | 256QAM | 25 | 0 | 18.55 | 18.50 | 18.50 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.43 | 23.50 | 23.43 | 25 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.38 | 23.51 | 23.40 | | | | |
| 3 | QPSK | 1 | 14 | 23.32 | 23.41 | 23.33 | | | | |
| 3 | QPSK | 8 | 0 | 22.46 | 22.49 | 22.64 | | | | |
| 3 | QPSK | 8 | 4 | 22.52 | 22.59 | 22.86 | | | | |
| 3 | QPSK | 8 | 7 | 22.59 | 22.60 | 22.56 | 24 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.53 | 22.59 | 22.51 | | | | |
| 3 | 16QAM | 1 | 0 | 22.38 | 22.50 | 22.43 | | | | |
| 3 | 16QAM | 1 | 8 | 22.33 | 22.45 | 22.46 | 24 | 1 | | |
| 3 | 16QAM | 1 | 16 | 22.48 | 22.50 | 22.49 | | | | |
| 3 | 16QAM | 8 | 0 | 21.62 | 21.74 | 21.71 | | | | |
| 3 | 16QAM | 8 | 4 | 21.41 | 21.56 | 21.51 | 23 | 2 | | |
| 3 | 16QAM | 8 | 8 | 21.62 | 21.68 | 21.61 | | | | |
| 3 | 64QAM | 1 | 0 | 21.86 | 21.77 | 21.64 | | | | |
| 3 | 64QAM | 1 | 8 | 21.53 | 21.60 | 21.63 | 23 | 2 | | |
| 3 | 64QAM | 1 | 14 | 21.78 | 21.88 | 21.76 | | | | |
| 3 | 64QAM | 8 | 0 | 20.47 | 20.50 | 20.46 | | | | |
| 3 | 64QAM | 8 | 4 | 20.50 | 20.60 | 20.45 | | | | |
| 3 | 64QAM | 8 | 7 | 20.49 | 20.56 | 20.57 | 22 | 3 | | |
| 3 | 256QAM | 1 | 0 | 18.63 | 18.78 | 18.66 | | | | |
| 3 | 256QAM | 1 | 8 | 18.56 | 18.60 | 18.51 | 20 | 5 | | |
| 3 | 256QAM | 1 | 14 | 18.63 | 18.60 | 18.61 | | | | |
| 3 | 256QAM | | | | | | | | | |



| Band 38 Main PA Ant2 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 25.18 | 25.22 | 25.23 | 25.5 | 0 | |
| 20 | QPSK | 1 | 49 | 25.08 | 25.18 | 25.09 | 25.5 | 0 | |
| 20 | QPSK | 50 | 0 | 25.15 | 25.20 | 25.15 | 24.5 | 1 | |
| 20 | QPSK | 50 | 24 | 24.17 | 24.27 | 24.21 | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 24.13 | 24.23 | 24.17 | 24.5 | 1 | |
| 20 | 16QAM | 1 | 0 | 23.16 | 23.23 | 23.08 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 49 | 23.06 | 23.14 | 23.00 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 99 | 23.02 | 23.17 | 23.09 | 23.5 | 2 | |
| 20 | 16QAM | 50 | 0 | 23.19 | 23.27 | 23.22 | 23.5 | 2 | |
| 20 | 16QAM | 50 | 24 | 23.17 | 23.22 | 23.11 | 23.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 23.26 | 23.31 | 23.27 | 23.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 22.24 | 22.30 | 22.24 | 22.5 | 2 | |
| 20 | 16QAM | 1 | 49 | 22.81 | 22.81 | 22.84 | 22.5 | 2 | |
| 20 | 16QAM | 1 | 99 | 22.71 | 22.85 | 22.78 | 22.5 | 2 | |
| 20 | 16QAM | 50 | 0 | 22.22 | 22.27 | 22.21 | 22.5 | 3 | |
| 20 | 16QAM | 50 | 24 | 22.28 | 22.22 | 22.28 | 22.5 | 3 | |
| 20 | 16QAM | 50 | 50 | 22.29 | 22.27 | 22.19 | 22.5 | 3 | |
| 20 | 16QAM | 100 | 0 | 22.16 | 22.22 | 22.19 | 22.5 | 3 | |
| 20 | 25QAM | 1 | 0 | 20.26 | 20.30 | 20.24 | 20.5 | 5 | |
| 20 | 25QAM | 1 | 49 | 20.16 | 20.21 | 20.13 | 20.5 | 5 | |
| 20 | 25QAM | 1 | 99 | 20.18 | 20.24 | 20.12 | 20.5 | 5 | |
| 20 | 25QAM | 50 | 0 | 20.14 | 20.20 | 20.16 | 20.5 | 5 | |
| 20 | 25QAM | 50 | 24 | 20.03 | 20.16 | 20.11 | 20.5 | 5 | |
| 20 | 25QAM | 50 | 50 | 20.08 | 20.20 | 20.11 | 20.5 | 5 | |
| 20 | 25QAM | 100 | 0 | 20.09 | 20.13 | 20.08 | 20.5 | 5 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 25.12 | 25.22 | 25.17 | 25.5 | 0 | |
| 15 | QPSK | 1 | 37 | 25.05 | 25.11 | 24.85 | 25.5 | 0 | |
| 15 | QPSK | 1 | 74 | 24.98 | 25.04 | 24.90 | 25.5 | 0 | |
| 15 | QPSK | 36 | 0 | 24.15 | 24.15 | 24.15 | 24.5 | 1 | |
| 15 | QPSK | 36 | 20 | 24.04 | 24.20 | 24.11 | 24.5 | 1 | |
| 15 | QPSK | 36 | 39 | 24.04 | 24.04 | 24.04 | 24.5 | 1 | |
| 15 | QPSK | 75 | 0 | 24.08 | 24.09 | 24.13 | 24.5 | 1 | |
| 15 | 16QAM | 1 | 0 | 23.11 | 23.15 | 22.93 | 23.5 | 1 | |
| 15 | 16QAM | 1 | 37 | 23.02 | 23.06 | 22.94 | 23.5 | 1 | |
| 15 | 16QAM | 1 | 74 | 22.92 | 22.96 | 22.89 | 23.5 | 1 | |
| 15 | 16QAM | 36 | 0 | 23.15 | 23.17 | 23.14 | 23.5 | 2 | |
| 15 | 16QAM | 36 | 20 | 23.03 | 23.12 | 23.07 | 23.5 | 2 | |
| 15 | 16QAM | 36 | 39 | 23.18 | 23.18 | 23.22 | 23.5 | 2 | |
| 15 | 16QAM | 75 | 0 | 23.14 | 23.15 | 23.06 | 23.5 | 2 | |
| 15 | 16QAM | 1 | 0 | 22.11 | 22.19 | 22.18 | 22.5 | 2 | |
| 15 | 16QAM | 1 | 37 | 22.72 | 22.82 | 22.78 | 22.5 | 2 | |
| 15 | 16QAM | 1 | 74 | 22.89 | 22.78 | 22.86 | 22.5 | 2 | |
| 15 | 16QAM | 36 | 0 | 22.11 | 22.17 | 22.13 | 22.5 | 3 | |
| 15 | 16QAM | 36 | 20 | 21.94 | 22.14 | 22.09 | 22.5 | 3 | |
| 15 | 16QAM | 36 | 39 | 22.13 | 22.13 | 22.18 | 22.5 | 3 | |
| 15 | 16QAM | 75 | 0 | 22.05 | 22.11 | 22.00 | 22.5 | 3 | |
| 15 | 25QAM | 1 | 0 | 20.21 | 20.22 | 20.12 | 20.5 | 5 | |
| 15 | 25QAM | 1 | 37 | 20.09 | 20.12 | 20.00 | 20.5 | 5 | |
| 15 | 25QAM | 1 | 74 | 20.07 | 20.15 | 20.09 | 20.5 | 5 | |
| 15 | 25QAM | 36 | 0 | 20.04 | 20.19 | 20.11 | 20.5 | 5 | |
| 15 | 25QAM | 36 | 20 | 19.92 | 20.08 | 20.05 | 20.5 | 5 | |
| 15 | 25QAM | 36 | 39 | 19.88 | 20.12 | 20.03 | 20.5 | 5 | |
| 15 | 25QAM | 75 | 0 | 20.03 | 20.07 | 19.88 | 20.5 | 5 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 25.06 | 25.12 | 25.03 | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 25.01 | 25.14 | 25.05 | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.95 | 25.12 | 25.01 | 25.5 | 0 | |
| 10 | QPSK | 25 | 0 | 24.15 | 24.22 | 24.18 | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 24.08 | 24.21 | 24.16 | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 24.01 | 24.05 | 24.02 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 0 | 23.09 | 23.14 | 23.04 | 23.5 | 1 | |
| 10 | 16QAM | 1 | 25 | 22.89 | 23.07 | 22.89 | 23.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 22.92 | 23.08 | 23.04 | 23.5 | 1 | |
| 10 | 16QAM | 25 | 0 | 23.09 | 23.13 | 23.13 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 12 | 23.08 | 23.11 | 23.07 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 23.15 | 23.20 | 23.16 | 23.5 | 2 | |
| 10 | 16QAM | 50 | 0 | 23.14 | 23.22 | 23.18 | 23.5 | 2 | |
| 10 | 16QAM | 50 | 0 | 22.78 | 22.83 | 22.71 | 23.5 | 2 | |
| 10 | 16QAM | 1 | 25 | 22.77 | 22.78 | 22.76 | 23.5 | 2 | |
| 10 | 16QAM | 1 | 49 | 22.81 | 22.76 | 22.89 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 0 | 22.12 | 22.18 | 22.12 | 22.5 | 3 | |
| 10 | 16QAM | 25 | 12 | 22.02 | 22.13 | 21.96 | 22.5 | 3 | |
| 10 | 16QAM | 25 | 25 | 22.11 | 22.17 | 22.05 | 22.5 | 3 | |
| 10 | 16QAM | 50 | 0 | 22.24 | 22.24 | 22.07 | 22.5 | 3 | |
| 10 | 25QAM | 1 | 0 | 20.20 | 20.18 | 20.11 | 20.5 | 5 | |
| 10 | 25QAM | 1 | 25 | 20.11 | 20.13 | 20.01 | 20.5 | 5 | |
| 10 | 25QAM | 1 | 49 | 20.14 | 20.15 | 20.03 | 20.5 | 5 | |
| 10 | 25QAM | 25 | 0 | 20.04 | 20.17 | 20.10 | 20.5 | 5 | |
| 10 | 25QAM | 25 | 12 | 19.91 | 20.04 | 19.97 | 20.5 | 5 | |
| 10 | 25QAM | 25 | 25 | 19.93 | 20.06 | 20.00 | 20.5 | 5 | |
| 10 | 25QAM | 50 | 0 | 19.98 | 20.09 | 19.91 | 20.5 | 5 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 25.05 | 25.19 | 25.13 | 25.5 | 0 | |
| 5 | QPSK | 1 | 19 | 24.99 | 25.14 | 24.97 | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.99 | 25.00 | 25.04 | 25.5 | 0 | |
| 5 | QPSK | 12 | 0 | 24.19 | 24.26 | 24.14 | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 24.04 | 24.19 | 24.11 | 24.5 | 1 | |
| 5 | QPSK | 12 | 19 | 24.07 | 24.08 | 24.09 | 24.5 | 1 | |
| 5 | QPSK | 25 | 0 | 24.07 | 24.15 | 24.03 | 24.5 | 1 | |
| 5 | QPSK | 25 | 0 | 23.10 | 23.12 | 23.00 | 23.5 | 1 | |
| 5 | 16QAM | 1 | 12 | 22.80 | 23.09 | 22.88 | 23.5 | 1 | |
| 5 | 16QAM | 1 | 24 | 22.94 | 23.10 | 22.97 | 23.5 | 1 | |
| 5 | 16QAM | 12 | 0 | 23.12 | 23.17 | 23.12 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 7 | 23.03 | 23.18 | 23.06 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 23.15 | 23.20 | 23.00 | 23.5 | 2 | |
| 5 | 16QAM | 25 | 0 | 23.15 | 23.12 | 23.04 | 23.5 | 2 | |
| 5 | 16QAM | 1 | 0 | 22.70 | 22.78 | 22.73 | 23.5 | 2 | |
| 5 | 16QAM | 1 | 12 | 22.73 | 22.80 | 22.78 | 23.5 | 2 | |
| 5 | 16QAM | 1 | 24 | 22.86 | 22.82 | 22.70 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 0 | 22.10 | 22.21 | 22.14 | 22.5 | 3 | |
| 5 | 16QAM | 12 | 7 | 22.00 | 22.15 | 22.00 | 22.5 | 3 | |
| 5 | 16QAM | 12 | 13 | 22.18 | 22.18 | 22.06 | 22.5 | 3 | |
| 5 | 16QAM | 25 | 0 | 22.06 | 22.16 | 22.06 | 22.5 | 3 | |
| 5 | 25QAM | 1 | 0 | 20.17 | 20.15 | 20.15 | 20.5 | 5 | |
| 5 | 25QAM | 1 | 12 | 20.16 | 20.16 | 20.03 | 20.5 | 5 | |
| 5 | 25QAM | 1 | 24 | 20.10 | 20.11 | 20.09 | 20.5 | 5 | |
| 5 | 25QAM | 12 | 0 | 20.00 | 20.11 | 20.09 | 20.5 | 5 | |
| 5 | 25QAM | 12 | 7 | 19.92 | 20.03 | 19.97 | 20.5 | 5 | |
| 5 | 25QAM | 12 | 13 | 20.01 | 20.16 | 20.07 | 20.5 | 5 | |
| 5 | 25QAM | 25 | 0 | 19.98 | 20.05 | 19.85 | 20.5 | 5 | |

| Band 41 Main PA Ant2 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 25.18 | 25.23 | 25.23 | 25.5 | 0 | |
| 20 | QPSK | 1 | 49 | 25.04 | 25.20 | 25.24 | 25.5 | 0 | |
| 20 | QPSK | 50 | 0 | 25.15 | 25.20 | 25.20 | 24.5 | 1 | |
| 20 | QPSK | 50 | 24 | 24.33 | 24.41 | 24.40 | 24.5 | 1 | |
| 20 | QPSK | 50 | 24 | 24.29 | 24.27 | 24.43 | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 24.18 | 24.24 | 24.24 | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 24.19 | 24.25 | 24.31 | 24.5 | 1 | |
| 20 | 16QAM | 1 | 0 | 23.18 | 23.27 | 23.34 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 49 | 23.09 | 23.26 | 23.20 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 99 | 23.14 | 23.13 | 23.33 | 23.5 | 1 | |
| 20 | 16QAM | 50 | 0 | 23.07 | 23.26 | 23.40 | 23.5 | 1 | |
| 20 | 16QAM | 50 | 24 | 23.02 | 23.10 | 23.38 | 23.5 | 1 | |
| 20 | 16QAM | 50 | 50 | 23.29 | 23.36 | 23.38 | 23.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 22.18 | 22.26 | 22.27 | 22.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 22.05 | 22.20 | 22.03 | 22.5 | 2 | |
| 20 | 16QAM | 1 | 49 | 22.84 | 22.87 | 23.08 | 22.5 | 2 | |
| 20 | 16QAM | 1 | 99 | 22.88 | 22.82 | 22.8 | | | |



| Band 4 Main PA Ant3 DSI0 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 17.81 | 17.83 | 17.78 | | | | |
| 20 | QPSK | 1 | 49 | 17.87 | 17.83 | 17.82 | 19.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 17.89 | 17.73 | 17.78 | | | | |
| 20 | QPSK | 50 | 0 | 17.97 | 17.74 | 17.62 | | | | |
| 20 | QPSK | 50 | 24 | 17.71 | 17.61 | 17.62 | 19.5 | 0 | | |
| 20 | QPSK | 50 | 50 | 17.59 | 17.54 | 17.59 | | | | |
| 20 | QPSK | 100 | 0 | 17.66 | 17.63 | 17.61 | | | | |
| 20 | 16QAM | 50 | 0 | 17.92 | 17.61 | 17.61 | 19.5 | 0 | | |
| 20 | 16QAM | 1 | 49 | 17.59 | 17.61 | 17.63 | | | | |
| 20 | 16QAM | 1 | 99 | 17.63 | 17.63 | 17.64 | | | | |
| 20 | 16QAM | 50 | 24 | 17.74 | 17.76 | 17.73 | 19.5 | 0 | | |
| 20 | 16QAM | 50 | 50 | 17.57 | 17.61 | 17.61 | | | | |
| 20 | 16QAM | 100 | 0 | 17.79 | 17.66 | 17.57 | | | | |
| 20 | 64QAM | 1 | 0 | 17.63 | 17.64 | 17.70 | | | | |
| 20 | 64QAM | 1 | 49 | 17.80 | 17.74 | 17.68 | 19.5 | 0 | | |
| 20 | 64QAM | 50 | 24 | 17.65 | 17.63 | 17.63 | | | | |
| 20 | 64QAM | 50 | 50 | 17.56 | 17.67 | 17.67 | | | | |
| 20 | 64QAM | 100 | 0 | 17.53 | 17.58 | 17.52 | 19.5 | 0 | | |
| 20 | 64QAM | 100 | 24 | 17.58 | 17.58 | 17.56 | | | | |
| 20 | 256QAM | 1 | 49 | 17.55 | 17.54 | 17.54 | 19.5 | 0 | | |
| 20 | 256QAM | 1 | 99 | 17.55 | 17.51 | 17.52 | | | | |
| 20 | 256QAM | 50 | 24 | 17.58 | 17.58 | 17.58 | | | | |
| 20 | 256QAM | 50 | 50 | 17.54 | 17.68 | 17.58 | | | | |
| 20 | 256QAM | 50 | 50 | 17.60 | 17.72 | 17.67 | | | | |
| 20 | 256QAM | 100 | 0 | 17.61 | 17.66 | 17.61 | 19.5 | 0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 17.72 | 17.60 | 17.57 | | | | |
| 15 | QPSK | 1 | 37 | 17.66 | 17.63 | 17.62 | 19.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 17.76 | 17.63 | 17.66 | | | | |
| 15 | QPSK | 36 | 0 | 17.64 | 17.72 | 17.67 | | | | |
| 15 | QPSK | 36 | 29 | 17.78 | 17.66 | 17.71 | 19.5 | 0 | | |
| 15 | QPSK | 36 | 39 | 17.68 | 17.60 | 17.69 | | | | |
| 15 | QPSK | 75 | 0 | 17.66 | 17.67 | 17.62 | | | | |
| 15 | 16QAM | 1 | 0 | 17.66 | 17.66 | 17.72 | | | | |
| 15 | 16QAM | 1 | 37 | 17.68 | 17.58 | 17.69 | 19.5 | 0 | | |
| 15 | 16QAM | 1 | 74 | 17.78 | 17.63 | 17.66 | | | | |
| 15 | 16QAM | 36 | 0 | 17.68 | 17.61 | 17.69 | | | | |
| 15 | 16QAM | 36 | 29 | 17.67 | 17.68 | 17.74 | 19.5 | 0 | | |
| 15 | 16QAM | 36 | 39 | 17.66 | 17.66 | 17.66 | | | | |
| 15 | 16QAM | 75 | 0 | 17.74 | 17.62 | 17.62 | | | | |
| 15 | 64QAM | 1 | 0 | 17.67 | 17.52 | 17.57 | | | | |
| 15 | 64QAM | 1 | 37 | 17.79 | 17.63 | 17.66 | 19.5 | 0 | | |
| 15 | 64QAM | 1 | 74 | 17.77 | 17.67 | 17.60 | | | | |
| 15 | 64QAM | 36 | 0 | 17.59 | 17.63 | 17.68 | | | | |
| 15 | 64QAM | 36 | 29 | 17.64 | 17.64 | 17.64 | 19.5 | 0 | | |
| 15 | 64QAM | 36 | 39 | 17.67 | 17.63 | 17.57 | | | | |
| 15 | 64QAM | 75 | 0 | 17.65 | 17.70 | 17.62 | | | | |
| 15 | 256QAM | 1 | 37 | 17.60 | 17.51 | 17.51 | 19.5 | 0 | | |
| 15 | 256QAM | 1 | 74 | 17.68 | 17.63 | 17.59 | | | | |
| 15 | 256QAM | 36 | 0 | 17.76 | 17.66 | 17.62 | | | | |
| 15 | 256QAM | 36 | 29 | 17.62 | 17.72 | 17.65 | 19.5 | 0 | | |
| 15 | 256QAM | 36 | 39 | 17.74 | 17.76 | 17.69 | | | | |
| 15 | 256QAM | 75 | 0 | 17.61 | 17.60 | 17.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 17.15 | 17.15 | 17.00 | | | | |
| 10 | QPSK | 1 | 25 | 17.66 | 17.69 | 17.53 | 19.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 17.69 | 17.59 | 17.71 | | | | |
| 10 | QPSK | 12 | 0 | 17.60 | 17.60 | 17.60 | | | | |
| 10 | QPSK | 25 | 12 | 17.71 | 17.62 | 17.66 | 19.5 | 0 | | |
| 10 | QPSK | 25 | 25 | 17.58 | 17.58 | 17.69 | | | | |
| 10 | QPSK | 50 | 0 | 17.66 | 17.66 | 17.66 | | | | |
| 10 | 16QAM | 1 | 0 | 17.58 | 17.51 | 17.54 | | | | |
| 10 | 16QAM | 1 | 24 | 17.63 | 17.62 | 17.66 | 19.5 | 0 | | |
| 10 | 16QAM | 1 | 49 | 17.66 | 17.54 | 17.54 | | | | |
| 10 | 16QAM | 25 | 0 | 17.64 | 17.65 | 17.60 | | | | |
| 10 | 16QAM | 25 | 12 | 17.66 | 17.66 | 17.62 | 19.5 | 0 | | |
| 10 | 16QAM | 50 | 0 | 17.63 | 17.61 | 17.65 | | | | |
| 10 | 16QAM | 50 | 24 | 17.61 | 17.60 | 17.63 | | | | |
| 10 | 64QAM | 1 | 0 | 17.73 | 17.60 | 17.73 | 19.5 | 0 | | |
| 10 | 64QAM | 1 | 24 | 17.63 | 17.66 | 17.67 | | | | |
| 10 | 64QAM | 1 | 49 | 17.66 | 17.54 | 17.54 | | | | |
| 10 | 64QAM | 25 | 0 | 17.64 | 17.65 | 17.60 | | | | |
| 10 | 64QAM | 25 | 12 | 17.66 | 17.66 | 17.62 | 19.5 | 0 | | |
| 10 | 64QAM | 50 | 0 | 17.63 | 17.61 | 17.65 | | | | |
| 10 | 64QAM | 50 | 24 | 17.61 | 17.60 | 17.63 | | | | |
| 10 | 256QAM | 1 | 24 | 17.61 | 17.59 | 17.60 | 19.5 | 0 | | |
| 10 | 256QAM | 1 | 49 | 17.63 | 17.52 | 17.62 | | | | |
| 10 | 256QAM | 25 | 0 | 17.71 | 17.64 | 17.72 | | | | |
| 10 | 256QAM | 25 | 12 | 17.63 | 17.59 | 17.66 | 19.5 | 0 | | |
| 10 | 256QAM | 25 | 25 | 17.66 | 17.70 | 17.64 | | | | |
| 10 | 256QAM | 50 | 0 | 17.67 | 17.61 | 17.68 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 17.64 | 17.66 | 17.63 | | | | |
| 5 | QPSK | 1 | 12 | 17.64 | 17.77 | 17.61 | 19.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 17.63 | 17.60 | 17.65 | | | | |
| 5 | QPSK | 12 | 0 | 17.60 | 17.60 | 17.60 | | | | |
| 5 | QPSK | 12 | 7 | 17.71 | 17.54 | 17.59 | 19.5 | 0 | | |
| 5 | QPSK | 12 | 13 | 17.71 | 17.62 | 17.67 | | | | |
| 5 | QPSK | 25 | 0 | 17.62 | 17.62 | 17.67 | | | | |
| 5 | 16QAM | 1 | 0 | 17.67 | 17.59 | 17.68 | | | | |
| 5 | 16QAM | 1 | 12 | 17.63 | 17.69 | 17.64 | 19.5 | 0 | | |
| 5 | 16QAM | 1 | 24 | 17.63 | 17.66 | 17.69 | | | | |
| 5 | 16QAM | 12 | 0 | 17.79 | 17.71 | 17.66 | | | | |
| 5 | 16QAM | 12 | 7 | 17.76 | 17.70 | 17.68 | 19.5 | 0 | | |
| 5 | 16QAM | 12 | 13 | 17.68 | 17.66 | 17.68 | | | | |
| 5 | 64QAM | 1 | 0 | 17.77 | 17.50 | 17.76 | 19.5 | 0 | | |
| 5 | 64QAM | 1 | 12 | 17.74 | 17.66 | 17.66 | | | | |
| 5 | 64QAM | 1 | 24 | 17.80 | 17.66 | 17.62 | | | | |
| 5 | 64QAM | 12 | 0 | 17.50 | 17.63 | 17.58 | | | | |
| 5 | 64QAM | 12 | 7 | 17.64 | 17.60 | 17.68 | 19.5 | 0 | | |
| 5 | 64QAM | 12 | 13 | 17.68 | 17.60 | 17.62 | | | | |
| 5 | 64QAM | 25 | 0 | 17.61 | 17.63 | 17.62 | | | | |
| 5 | 64QAM | 25 | 7 | 17.60 | 17.61 | 17.60 | 19.5 | 0 | | |
| 5 | 256QAM | 1 | 12 | 17.50 | 17.71 | 17.59 | 19.5 | 0 | | |
| 5 | 256QAM | 1 | 24 | 17.54 | 17.65 | 17.63 | | | | |
| 5 | 256QAM | 12 | 0 | 17.59 | 17.66 | 17.67 | | | | |
| 5 | 256QAM | 12 | 7 | 17.52 | 17.73 | 17.69 | 19.5 | 0 | | |
| 5 | 256QAM | 12 | 13 | 17.69 | 17.74 | 17.74 | | | | |
| 5 | 256QAM | 25 | 0 | 17.52 | 17.66 | 17.66 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 17.81 | 17.57 | 17.54 | | | | |
| 1.4 | QPSK | 1 | 3 | 17.66 | 17.54 | 17.71 | 19.5 | 0 | | |
| 1.4 | QPSK | 1 | 6 | 17.67 | 17.50 | 17.59 | | | | |
| 1.4 | QPSK | 8 | 0 | 17.68 | 17.50 | 17.52 | | | | |
| 1.4 | QPSK | 8 | 4 | 17.60 | 17.63 | 17.67 | 19.5 | 0 | | |
| 1.4 | QPSK | 8 | 7 | 17.67 | 17.62 | 17.66 | | | | |
| 1.4 | QPSK | 16 | 0 | 17.76 | 17.62 | 17.68 | | | | |
| 1.4 | 16QAM | 1 | 0 | 17.71 | 17.59 | 17.68 | 19.5 | 0 | | |
| 1.4 | 16QAM | 1 | 8 | 17.50 | 17.69 | 17.61 | | | | |
| 1.4 | 16QAM | 1 | 16 | 17.77 | 17.66 | 17.65 | | | | |
| 1.4 | 16QAM | 8 | 0 | 17.75 | 17.66 | 17.60 | 19.5 | 0 | | |
| 1.4 | 16QAM | 8 | 4 | 17.71 | 17.68 | 17.64 | | | | |
| 1.4 | 16QAM | 8 | 8 | 17.66 | 17.66 | 17.65 | | | | |
| 1.4 | 16QAM | 16 | 0 | 17.75 | 17.62 | 17.68 | | | | |
| 1.4 | 64QAM | 1 | 0 | 17.78 | 17.67 | 17.61 | 19.5 | 0 | | |
| 1.4 | 64QAM | 1 | 8 | 17.66 | 17.66 | 17.66 | | | | |
| 1.4 | 64QAM | 1 | 14 | 17.81 | 17.51 | 17.59 | | | | |
| 1.4 | 64QAM | 8 | 0 | 17.66 | 17.74 | 17.64 | | | | |
| 1.4 | 64QAM | 8 | 4 | 17.63 | 17.63 | 17.50 | 19.5 | 0 | | |
| 1.4 | 64QAM | 8 | 7 | 17.68 | 17.66 | 17.65 | | | | |



Band 38 Main PA Ant3 DSI0

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|--------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| 38750 38900 38150 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 20.90 | 21.22 | 21.10 | 22.5 | 0 |
| 20 | QPSK | 1 | 49 | 20.94 | 21.05 | 20.94 | | |
| 20 | QPSK | 50 | 24 | 20.96 | 21.12 | 20.89 | | |
| 20 | QPSK | 50 | 24 | 20.96 | 20.83 | 20.97 | | |
| 20 | QPSK | 100 | 0 | 20.96 | 21.08 | 20.83 | | |
| 20 | 16QAM | 1 | 0 | 20.82 | 21.06 | 20.91 | | |
| 20 | 16QAM | 1 | 49 | 20.92 | 20.93 | 20.84 | | |
| 20 | 16QAM | 1 | 99 | 20.72 | 20.85 | 20.70 | | |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.15 | 21.08 | | |
| 20 | 16QAM | 50 | 24 | 20.94 | 21.07 | 20.98 | | |
| 20 | 16QAM | 50 | 50 | 21.02 | 21.11 | 21.07 | | |
| 20 | 16QAM | 100 | 0 | 20.99 | 21.05 | 20.94 | | |
| 20 | 16QAM | 1 | 49 | 20.70 | 20.77 | 20.88 | | |
| 20 | 16QAM | 1 | 99 | 20.63 | 20.73 | 20.68 | | |
| 20 | 16QAM | 50 | 24 | 19.95 | 20.08 | 20.02 | | |
| 20 | 16QAM | 50 | 50 | 20.10 | 20.13 | 20.02 | | |
| 20 | 16QAM | 100 | 0 | 19.94 | 20.05 | 20.02 | | |
| 20 | 25QAM | 1 | 0 | 17.84 | 17.87 | 17.83 | | |
| 20 | 25QAM | 1 | 49 | 17.88 | 17.84 | 17.78 | | |
| 20 | 25QAM | 1 | 99 | 17.79 | 17.89 | 17.76 | | |
| 20 | 25QAM | 50 | 24 | 17.98 | 18.08 | 18.03 | | |
| 20 | 25QAM | 50 | 24 | 17.98 | 18.08 | 17.96 | | |
| 20 | 25QAM | 50 | 50 | 18.09 | 18.14 | 18.09 | | |
| 20 | 25QAM | 100 | 0 | 17.76 | 17.84 | 17.82 | | |
| Channel | | | | | | | | |
| 37625 38000 38175 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 20.72 | 21.04 | 21.00 | 22.5 | 0 |
| 15 | QPSK | 1 | 37 | 20.78 | 20.90 | 20.81 | | |
| 15 | QPSK | 1 | 74 | 20.81 | 20.97 | 20.78 | | |
| 15 | QPSK | 36 | 20 | 20.75 | 20.85 | 20.87 | | |
| 15 | QPSK | 36 | 20 | 20.75 | 20.85 | 20.87 | | |
| 15 | QPSK | 75 | 0 | 20.75 | 21.00 | 20.83 | | |
| 15 | 16QAM | 1 | 0 | 20.73 | 21.07 | 20.84 | | |
| 15 | 16QAM | 1 | 37 | 20.81 | 20.81 | 20.74 | | |
| 15 | 16QAM | 1 | 74 | 20.89 | 20.77 | 20.87 | | |
| 15 | 16QAM | 36 | 0 | 21.07 | 21.06 | 20.90 | | |
| 15 | 16QAM | 36 | 20 | 20.72 | 20.87 | 20.88 | | |
| 15 | 16QAM | 36 | 39 | 20.94 | 21.07 | 20.86 | | |
| 15 | 16QAM | 75 | 0 | 20.95 | 20.89 | 20.87 | | |
| 15 | 16QAM | 75 | 0 | 20.75 | 20.84 | 20.76 | | |
| 15 | 16QAM | 1 | 37 | 20.88 | 20.58 | 20.84 | | |
| 15 | 16QAM | 1 | 74 | 20.81 | 20.81 | 20.81 | | |
| 15 | 16QAM | 36 | 0 | 20.96 | 20.92 | 20.92 | | |
| 15 | 16QAM | 36 | 20 | 19.87 | 20.04 | 19.93 | | |
| 15 | 16QAM | 36 | 39 | 20.96 | 20.96 | 20.96 | | |
| 15 | 16QAM | 75 | 0 | 19.84 | 19.94 | 19.90 | | |
| 15 | 25QAM | 1 | 0 | 17.73 | 17.82 | 17.84 | | |
| 15 | 25QAM | 1 | 37 | 17.82 | 17.87 | 17.85 | | |
| 15 | 25QAM | 1 | 74 | 17.69 | 17.81 | 17.65 | | |
| 15 | 25QAM | 36 | 0 | 18.02 | 18.06 | 17.93 | | |
| 15 | 25QAM | 36 | 20 | 17.90 | 17.99 | 17.92 | | |
| 15 | 25QAM | 36 | 39 | 18.04 | 18.01 | 18.02 | | |
| 15 | 25QAM | 75 | 0 | 17.82 | 17.96 | 17.87 | | |
| Channel | | | | | | | | |
| 36500 36600 36100 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 20.86 | 21.07 | 21.00 | 22.5 | 0 |
| 10 | QPSK | 1 | 25 | 20.78 | 21.02 | 20.93 | | |
| 10 | QPSK | 1 | 49 | 20.99 | 20.90 | 20.70 | | |
| 10 | QPSK | 1 | 99 | 20.84 | 20.95 | 20.78 | | |
| 10 | QPSK | 25 | 12 | 20.81 | 20.78 | 20.80 | | |
| 10 | QPSK | 25 | 25 | 20.72 | 20.95 | 20.71 | | |
| 10 | 16QAM | 1 | 0 | 20.75 | 21.03 | 20.74 | | |
| 10 | 16QAM | 1 | 0 | 20.75 | 20.90 | 20.78 | | |
| 10 | 16QAM | 1 | 25 | 20.93 | 20.84 | 20.87 | | |
| 10 | 16QAM | 1 | 49 | 20.72 | 20.80 | 20.66 | | |
| 10 | 16QAM | 25 | 0 | 21.09 | 21.16 | 21.09 | | |
| 10 | 16QAM | 25 | 12 | 20.84 | 20.80 | 20.86 | | |
| 10 | 16QAM | 25 | 25 | 20.95 | 21.04 | 20.92 | | |
| 10 | 16QAM | 50 | 0 | 20.78 | 21.05 | 20.83 | | |
| 10 | 16QAM | 50 | 0 | 20.73 | 20.73 | 20.63 | | |
| 10 | 16QAM | 50 | 25 | 20.54 | 20.74 | 20.53 | | |
| 10 | 16QAM | 1 | 49 | 20.62 | 20.51 | 20.69 | | |
| 10 | 16QAM | 25 | 0 | 19.97 | 20.14 | 19.97 | | |
| 10 | 16QAM | 25 | 12 | 19.91 | 20.00 | 19.98 | | |
| 10 | 16QAM | 25 | 25 | 20.08 | 20.07 | 19.95 | | |
| 10 | 16QAM | 50 | 0 | 17.78 | 17.85 | 17.81 | | |
| 10 | 25QAM | 1 | 25 | 17.72 | 17.83 | 17.73 | | |
| 10 | 25QAM | 1 | 49 | 17.76 | 17.82 | 17.83 | | |
| 10 | 25QAM | 25 | 0 | 17.99 | 18.05 | 17.93 | | |
| 10 | 25QAM | 25 | 12 | 17.98 | 18.00 | 17.96 | | |
| 10 | 25QAM | 25 | 25 | 17.97 | 18.02 | 17.98 | | |
| 10 | 25QAM | 50 | 0 | 17.88 | 17.87 | 17.82 | | |
| Channel | | | | | | | | |
| 3577.5 3595 3517.5 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 20.74 | 21.06 | 20.90 | 22.5 | 0 |
| 5 | QPSK | 1 | 19 | 20.80 | 20.92 | 20.83 | | |
| 5 | QPSK | 1 | 24 | 20.83 | 21.02 | 20.87 | | |
| 5 | QPSK | 12 | 0 | 20.71 | 20.94 | 20.71 | | |
| 5 | QPSK | 12 | 7 | 20.87 | 20.82 | 20.84 | | |
| 5 | QPSK | 12 | 19 | 20.83 | 20.90 | 20.72 | | |
| 5 | QPSK | 25 | 0 | 20.99 | 20.89 | 20.84 | | |
| 5 | 16QAM | 1 | 0 | 20.79 | 21.03 | 20.91 | | |
| 5 | 16QAM | 1 | 12 | 20.82 | 20.74 | 20.79 | | |
| 5 | 16QAM | 1 | 24 | 20.68 | 20.60 | 20.76 | | |
| 5 | 16QAM | 12 | 0 | 21.08 | 21.18 | 21.04 | | |
| 5 | 16QAM | 12 | 7 | 20.85 | 21.07 | 20.91 | | |
| 5 | 16QAM | 12 | 13 | 21.02 | 21.02 | 21.00 | | |
| 5 | 16QAM | 25 | 0 | 20.94 | 21.06 | 20.85 | | |
| 5 | 16QAM | 1 | 0 | 20.81 | 20.72 | 20.81 | | |
| 5 | 16QAM | 1 | 12 | 20.66 | 20.69 | 20.50 | | |
| 5 | 16QAM | 1 | 24 | 20.56 | 20.74 | 20.66 | | |
| 5 | 16QAM | 12 | 0 | 19.96 | 20.09 | 19.98 | | |
| 5 | 16QAM | 25 | 0 | 19.83 | 19.94 | 19.92 | | |
| 5 | 25QAM | 1 | 0 | 17.80 | 17.88 | 17.79 | | |
| 5 | 25QAM | 1 | 12 | 17.79 | 17.81 | 17.75 | | |
| 5 | 25QAM | 1 | 24 | 17.74 | 17.82 | 17.63 | | |
| 5 | 25QAM | 12 | 0 | 17.97 | 18.11 | 18.03 | | |
| 5 | 25QAM | 25 | 0 | 17.82 | 17.94 | 17.86 | | |

Band 41 Main PA Ant3 DSI0

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Low-Mid Ch / Freq | Power High Ch / Freq | Power High-Mid Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|-------------------------------|------------|---------|-----------|---------------------|-------------------------|----------------------|--------------------------|---------------------|----------|
| Channel | | | | | | | | | |
| 39750 40185 40600 41055 41460 | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.15 | 21.52 | 21.33 | 21.24 | 22.5 | 0 |
| 20 | QPSK | 1 | 49 | 21.00 | 21.10 | 21.26 | 21.00 | | |
| 20 | QPSK | 1 | 99 | 21.14 | 20.92 | 21.09 | 21.13 | | |
| 20 | QPSK | 50 | 0 | 21.05 | 21.00 | 21.27 | 21.11 | | |
| 20 | QPSK | 50 | 24 | 20.97 | 21.07 | 21.20 | 21.18 | | |
| 20 | QPSK | 50 | 24 | 21.00 | 20.90 | 21.07 | 20.90 | | |
| 20 | QPSK | 100 | 0 | 21.06 | 21.06 | 21.18 | 20.89 | | |
| 20 | 16QAM | 1 | 0 | 20.97 | 20.96 | 20.97 | 20.99 | | |
| 20 | 16QAM | 1 | 49 | 20.95 | 20.85 | 21.07 | 20.88 | | |
| 20 | 16QAM | 1 | 99 | 20.95 | 20.87 | 20.89 | 21.02 | | |
| 20 | 16QAM | 50 | 0 | 21.17 | 21.26 | 21.26 | 21.23 | | |
| 20 | 16QAM | 50 | 24 | 21.07 | 21.09 | 21.18 | 21.14 | | |
| 20 | 16QAM | 50 | 24 | 21.17 | 21.11 | 21.27 | 21.19 | | |
| 20 | 16QAM | 100 | 0 | 21.08 | 21.08 | 21.16 | 21.05 | | |
| 20 | 16QAM | 1 | 49 | 20.71 | 20.78 | 20.83 | 20.84 | | |
| 20 | 16QAM | 1 | 99 | 20.78 | 20.80 | 20.88 | 20.78 | | |
| 20 | 16QAM | 50 | 24 | 20.58 | 20.58 | 20.21 | 20.11 | | |
| 20 | 16QAM | 50 | 50 | 20.19 | 20.27 | 20.26 | 20.16 | | |
| 20 | 16QAM | 100 | 0 | 20.07 | 20.03 | 20.11 | 20.16 | | |
| 20 | 25QAM | 1 | 0 | 18.86 | 17.94 | 18.09 | 18.03 | | |
| 20 | 25QAM | 1 | 49 | 17.80 | 18.92 | 18.99 | 17.87 | | |
| 20 | 25QAM | 1 | 99 | 17.89 | 17.82 | 18.02 | 17.88 | | |
| 20 | 25QAM | 50 | 0 | 18.88 | 18.94 | 18.94 | 18.14 | | |
| 20 | 25QAM | 50 | 24 | 18.11 | 18.06 | 18.20 | 18.06 | | |
| 20 | 25QAM | 50 | 24 | 18.12 | 18.17 | 18.21 | 18.14 | | |
| 20 | 25QAM | 100 | 0 | 18.05 | 18.10 | 18.06 | 18.06 | | |
| Channel | | | | | | | | | |
| 39750 40173 40600 41058 41455 | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 20.57 | 21.52 | 21.27 | 21.22 | 23 | 0 |
| 16 | QPSK | 1 | 37 | 20.90 | 20.83 | 21.14 | 20.83 | | |
| 16 | QPSK | 1 | 74 | 21.10 | 20.81 | 21.06 | 21.15 | | |
| 16 | QPSK | 36 | 0 | 20.95 | 21.00 | 21.09 | 21.05 | | |
| 16 | QPSK | 36 | 20 | 20.76 | 20.99 | 21.07 | 21.20 | | |
| 16 | QPSK | 36 | 20 | 20.76 | 20.99 | 21.07 | 21.20 | | |
| 16 | 16QAM | 1 | 0 | 20.79 | 20.80 | 20.76 | 20.88 | | |
| 16 | 16QAM | 1 | 37 | 20.78 | 20.88 | 20.78 | 20.88 | | |
| 16 | 16QAM | 1 | 74 | 20.90 | 20.70 | 20.87 | 20.83 | | |
| 16 | 16QAM | 36 | 0 | 21.09 | 21.06 | 21.15 | 21.22 | | |
| 16 | 16QAM | 36 | 20 | 21.03 | 20.98 | 21.08 | 21.07 | | |
| 16 | 16QAM | 36 | 39 | 21.08 | 20.91 | 21.16 | 21.09 | | |
| 16 | 16QAM | 75 | 0 | 21.02 | 20.82 | 20.95 | 20.85 | | |
| 16 | 16QAM | 75 | 0 | 20.71 | 20.87 | 20.89 | 20.87 | | |
| 16 | 16QAM | 1 | 37 | 20.83 | 20.58 | 20.73 | 20.57 | | |
| 16 | 16QAM | 1 | 74 | 20.70 | 20.86 | 20.89 | 20.74 | | |
| 16 | 16QAM | 36 | 0 | 20.98 | 20.82 | 20.92 | 20.82 | | |
| 16 | 16QAM | 36 | 20 | 20.82 | 20.61 | 20.17 | 19.97 | | |
| 16 | 16QAM | 36 | 39 | 20.95 | 20.95 | 20.95 | 20.95 | | |
| 16 | 16QAM | 75 | 0 | 19.99 | 19.94 | 20.01 | 20.10 | | |
| 16 | 25QAM | 1 | 0 | 17.82 | 17.84 | 17.86 | 17 | | |



| Band 2 Main PA Ant4 DS10 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|----------------------|---------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Max Ch./Freq. | Turn-up time (sec) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 1860 1860 1900 | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 18.41 | 18.43 | 19.38 | 20.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 18.27 | 18.26 | 19.18 | 20.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 18.27 | 18.26 | 19.18 | 20.5 | 0 | | |
| 20 | QPSK | 50 | 0 | 18.36 | 18.42 | 19.36 | 20.5 | 0 | | |
| 20 | QPSK | 50 | 24 | 18.30 | 18.31 | 19.24 | 20.5 | 0 | | |
| 20 | QPSK | 50 | 50 | 18.16 | 18.31 | 19.23 | 20.5 | 0 | | |
| 20 | QPSK | 100 | 0 | 18.33 | 18.37 | 19.28 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 0 | 18.32 | 18.36 | 19.27 | 20.5 | 0 | | |
| 20 | 16QAM | 1 | 49 | 18.17 | 18.16 | 19.14 | 20.5 | 0 | | |
| 20 | 16QAM | 1 | 99 | 18.28 | 18.15 | 19.10 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 0 | 18.33 | 18.40 | 19.28 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 24 | 18.17 | 18.32 | 19.27 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 50 | 18.29 | 18.36 | 19.25 | 20.5 | 0 | | |
| 20 | 16QAM | 100 | 0 | 18.24 | 18.30 | 19.22 | 20.5 | 0 | | |
| 20 | 84QAM | 1 | 0 | 18.39 | 18.32 | 19.41 | 20.5 | 0 | | |
| 20 | 84QAM | 1 | 49 | 18.43 | 18.46 | 19.59 | 20.5 | 0 | | |
| 20 | 84QAM | 50 | 0 | 18.36 | 18.43 | 19.51 | 20.5 | 0 | | |
| 20 | 84QAM | 50 | 24 | 18.29 | 18.38 | 19.51 | 20.5 | 0 | | |
| 20 | 84QAM | 50 | 50 | 18.35 | 18.36 | 19.36 | 20.5 | 0 | | |
| 20 | 256QAM | 1 | 0 | 18.44 | 18.56 | 19.37 | 19.5 | 1 | | |
| 20 | 256QAM | 1 | 49 | 18.40 | 18.47 | 18.33 | 19.5 | 1 | | |
| 20 | 256QAM | 1 | 99 | 18.34 | 18.42 | 18.33 | 19.5 | 1 | | |
| 20 | 256QAM | 50 | 0 | 18.31 | 18.35 | 18.34 | 19.5 | 1 | | |
| 20 | 256QAM | 50 | 24 | 18.31 | 18.35 | 18.34 | 19.5 | 1 | | |
| 20 | 256QAM | 50 | 50 | 18.30 | 18.40 | 18.34 | 19.5 | 1 | | |
| 20 | 256QAM | 100 | 0 | 18.27 | 18.31 | 18.27 | 19.5 | 1 | | |
| Channel | | | | | | | | | | |
| 1875 1890 1915 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 18.31 | 18.25 | 19.23 | 20.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 18.14 | 18.14 | 19.23 | 20.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 18.19 | 18.12 | 19.23 | 20.5 | 0 | | |
| 15 | QPSK | 36 | 0 | 18.30 | 18.32 | 19.31 | 20.5 | 0 | | |
| 15 | QPSK | 36 | 25 | 18.18 | 18.26 | 19.20 | 20.5 | 0 | | |
| 15 | QPSK | 36 | 39 | 18.11 | 18.22 | 19.19 | 20.5 | 0 | | |
| 15 | 16QAM | 75 | 0 | 18.19 | 18.24 | 19.16 | 20.5 | 0 | | |
| 15 | 16QAM | 1 | 37 | 18.10 | 18.10 | 19.22 | 20.5 | 0 | | |
| 15 | 16QAM | 1 | 74 | 18.14 | 18.14 | 19.16 | 20.5 | 0 | | |
| 15 | 16QAM | 36 | 0 | 18.20 | 18.30 | 19.16 | 20.5 | 0 | | |
| 15 | 16QAM | 36 | 25 | 18.13 | 18.20 | 19.12 | 20.5 | 0 | | |
| 15 | 16QAM | 36 | 39 | 18.18 | 18.25 | 19.22 | 20.5 | 0 | | |
| 15 | 84QAM | 1 | 0 | 18.35 | 18.45 | 19.28 | 20.5 | 0 | | |
| 15 | 84QAM | 1 | 37 | 18.26 | 18.43 | 19.28 | 20.5 | 0 | | |
| 15 | 84QAM | 1 | 74 | 18.29 | 18.35 | 19.23 | 20.5 | 0 | | |
| 15 | 84QAM | 36 | 0 | 18.36 | 18.35 | 19.33 | 20.5 | 0 | | |
| 15 | 84QAM | 36 | 25 | 18.28 | 18.38 | 19.28 | 20.5 | 0 | | |
| 15 | 84QAM | 36 | 39 | 18.32 | 18.35 | 19.25 | 20.5 | 0 | | |
| 15 | 84QAM | 75 | 0 | 18.12 | 18.21 | 19.15 | 19.5 | 1 | | |
| 15 | 256QAM | 1 | 0 | 18.27 | 18.34 | 19.27 | 19.5 | 1 | | |
| 15 | 256QAM | 1 | 37 | 18.27 | 18.41 | 18.30 | 19.5 | 1 | | |
| 15 | 256QAM | 1 | 74 | 18.30 | 18.39 | 18.19 | 19.5 | 1 | | |
| 15 | 256QAM | 36 | 0 | 18.18 | 18.25 | 18.11 | 19.5 | 1 | | |
| 15 | 256QAM | 36 | 25 | 18.18 | 18.25 | 18.11 | 19.5 | 1 | | |
| 15 | 256QAM | 36 | 39 | 18.17 | 18.34 | 18.27 | 19.5 | 1 | | |
| 15 | 256QAM | 75 | 0 | 18.22 | 18.34 | 18.27 | 19.5 | 1 | | |
| Channel | | | | | | | | | | |
| 1860 1890 1915 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 18.28 | 18.28 | 19.26 | 20.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 18.12 | 18.21 | 19.16 | 20.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 18.24 | 18.28 | 19.26 | 20.5 | 0 | | |
| 10 | QPSK | 12 | 0 | 18.33 | 18.36 | 19.28 | 20.5 | 0 | | |
| 10 | QPSK | 25 | 12 | 18.17 | 18.28 | 19.19 | 20.5 | 0 | | |
| 10 | QPSK | 25 | 25 | 18.07 | 18.26 | 19.13 | 20.5 | 0 | | |
| 10 | 16QAM | 75 | 0 | 18.18 | 18.28 | 19.15 | 20.5 | 0 | | |
| 10 | 16QAM | 1 | 0 | 18.08 | 18.19 | 19.10 | 20.5 | 0 | | |
| 10 | 16QAM | 1 | 24 | 18.22 | 18.16 | 19.16 | 20.5 | 0 | | |
| 10 | 16QAM | 1 | 49 | 18.26 | 18.24 | 19.24 | 20.5 | 0 | | |
| 10 | 16QAM | 25 | 0 | 18.27 | 18.25 | 19.19 | 20.5 | 0 | | |
| 10 | 16QAM | 25 | 12 | 18.09 | 18.23 | 19.15 | 20.5 | 0 | | |
| 10 | 16QAM | 36 | 0 | 18.18 | 18.27 | 19.13 | 20.5 | 0 | | |
| 10 | 16QAM | 50 | 0 | 18.17 | 18.15 | 19.15 | 20.5 | 0 | | |
| 10 | 84QAM | 1 | 0 | 18.26 | 18.43 | 19.33 | 20.5 | 0 | | |
| 10 | 84QAM | 1 | 24 | 18.37 | 18.48 | 19.27 | 20.5 | 0 | | |
| 10 | 84QAM | 1 | 49 | 18.24 | 18.28 | 19.27 | 20.5 | 0 | | |
| 10 | 84QAM | 25 | 0 | 18.35 | 18.43 | 19.36 | 20.5 | 0 | | |
| 10 | 84QAM | 25 | 12 | 18.28 | 18.38 | 19.29 | 20.5 | 0 | | |
| 10 | 84QAM | 50 | 0 | 18.09 | 18.22 | 19.23 | 20.5 | 0 | | |
| 10 | 256QAM | 1 | 0 | 18.34 | 18.44 | 19.28 | 20.5 | 0 | | |
| 10 | 256QAM | 1 | 24 | 18.32 | 18.42 | 18.22 | 19.5 | 1 | | |
| 10 | 256QAM | 1 | 49 | 18.24 | 18.33 | 18.22 | 19.5 | 1 | | |
| 10 | 256QAM | 25 | 0 | 18.30 | 18.32 | 19.23 | 19.5 | 1 | | |
| 10 | 256QAM | 25 | 12 | 18.26 | 18.28 | 18.16 | 19.5 | 1 | | |
| 10 | 256QAM | 25 | 25 | 18.22 | 18.29 | 18.19 | 19.5 | 1 | | |
| 10 | 256QAM | 50 | 0 | 18.23 | 18.34 | 18.21 | 19.5 | 1 | | |
| Channel | | | | | | | | | | |
| 1875 1890 1915 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 18.28 | 18.28 | 19.26 | 20.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 18.31 | 18.15 | 19.22 | 20.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 18.23 | 18.15 | 19.13 | 20.5 | 0 | | |
| 5 | QPSK | 12 | 0 | 18.33 | 18.36 | 19.28 | 20.5 | 0 | | |
| 5 | QPSK | 12 | 7 | 18.21 | 18.26 | 19.19 | 20.5 | 0 | | |
| 5 | QPSK | 12 | 13 | 18.08 | 18.19 | 19.15 | 20.5 | 0 | | |
| 5 | QPSK | 25 | 0 | 18.26 | 18.28 | 19.15 | 20.5 | 0 | | |
| 5 | 16QAM | 1 | 0 | 18.19 | 18.32 | 19.05 | 20.5 | 0 | | |
| 5 | 16QAM | 1 | 12 | 18.05 | 18.17 | 19.07 | 20.5 | 0 | | |
| 5 | 16QAM | 1 | 24 | 18.20 | 18.28 | 19.28 | 20.5 | 0 | | |
| 5 | 16QAM | 12 | 0 | 18.20 | 18.28 | 19.18 | 20.5 | 0 | | |
| 5 | 16QAM | 12 | 7 | 18.03 | 18.24 | 19.13 | 20.5 | 0 | | |
| 5 | 16QAM | 12 | 13 | 18.24 | 18.31 | 19.14 | 20.5 | 0 | | |
| 5 | 16QAM | 25 | 0 | 18.14 | 18.21 | 19.12 | 20.5 | 0 | | |
| 5 | 84QAM | 1 | 0 | 18.26 | 18.40 | 19.30 | 20.5 | 0 | | |
| 5 | 84QAM | 1 | 12 | 18.37 | 18.48 | 19.25 | 20.5 | 0 | | |
| 5 | 84QAM | 1 | 24 | 18.24 | 18.30 | 19.21 | 20.5 | 0 | | |
| 5 | 84QAM | 12 | 0 | 18.29 | 18.38 | 19.31 | 20.5 | 0 | | |
| 5 | 84QAM | 12 | 7 | 18.17 | 18.35 | 19.18 | 20.5 | 0 | | |
| 5 | 84QAM | 12 | 13 | 18.25 | 18.31 | 19.33 | 20.5 | 0 | | |
| 5 | 84QAM | 25 | 0 | 18.14 | 18.21 | 19.13 | 20.5 | 0 | | |
| 5 | 256QAM | 1 | 0 | 18.37 | 18.41 | 19.28 | 20.5 | 0 | | |
| 5 | 256QAM | 1 | 12 | 18.32 | 18.39 | 19.19 | 19.5 | 1 | | |
| 5 | 256QAM | 1 | 24 | 18.27 | 18.28 | 18.19 | 19.5 | 1 | | |
| 5 | 256QAM | 12 | 0 | 18.30 | 18.31 | 19.28 | 19.5 | 1 | | |
| 5 | 256QAM | 12 | 7 | 18.19 | 18.28 | 18.11 | 19.5 | 1 | | |
| 5 | 256QAM | 12 | 13 | 18.26 | 18.31 | 18.22 | 19.5 | 1 | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.28 | 18.21 | 19.5 | 1 | | |
| Channel | | | | | | | | | | |
| 1860 1890 1915 | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 18.25 | 18.27 | 19.25 | 20.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 18.23 | 18.22 | 19.13 | 20.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 18.30 | 18.16 | 19.25 | 20.5 | 0 | | |
| 3 | QPSK | 8 | 0 | 18.21 | 18.33 | 19.28 | 20.5 | 0 | | |
| 3 | QPSK | 8 | 4 | 18.23 | 18.31 | 19.14 | 20.5 | 0 | | |
| 3 | QPSK | 8 | 7 | 18.10 | 18.19 | 19.20 | 20.5 | 0 | | |
| 3 | QPSK | 15 | 0 | 18.22 | 18.27 | 19.28 | 20.5 | 0 | | |
| 3 | 16QAM | 1 | 0 | 18.30 | 18.38 | 19.23 | 20.5 | 0 | | |
| 3 | 16QAM | 1 | 8 | 18.10 | 18.30 | 19.13 | 20.5 | 0 | | |
| 3 | 16QAM | 1 | 14 | 18.26 | 18.13 | 19.07 | 20.5 | 0 | | |
| 3 | 16QAM | 8 | 0 | 18.21 | 18.34 | 19.17 | 20.5 | 0 | | |
| 3 | 16QAM | 8 | 4 | 18.08 | 18.13 | 19.21 | 20.5 | 0 | | |
| 3 | 16QAM | 8 | 7 | 18.15 | 18.24 | 19.12 | | | | |



| Band 25 Main PA Ant4 | | | | | | | | | | |
|----------------------|-----------------|---------|-----------|---------------------|------------------------|----------------------|--------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Turn-up (dB) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1860 | 1868 | 1905 | | | | |
| 20 | QPSK | 1 | 0 | 20.31 | 20.42 | 20.27 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 21.29 | 21.34 | 21.24 | | | | |
| 20 | QPSK | 1 | 99 | 22.16 | 22.29 | 22.21 | | | | |
| 20 | QPSK | 50 | 0 | 22.24 | 22.32 | 22.26 | | | | |
| 20 | QPSK | 50 | 24 | 22.22 | 22.32 | 22.21 | | | | |
| 20 | QPSK | 50 | 50 | 22.16 | 22.24 | 22.12 | 23.5 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.16 | 22.26 | 22.20 | | | | |
| 20 | QPSK | 100 | 24 | 22.55 | 22.56 | 22.58 | | | | |
| 20 | 16QAM | 1 | 49 | 22.48 | 22.59 | 22.47 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.52 | 22.55 | 22.43 | | | | |
| 20 | 16QAM | 50 | 0 | 21.31 | 21.38 | 21.28 | | | | |
| 20 | 16QAM | 50 | 24 | 21.19 | 21.28 | 21.15 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 50 | 21.18 | 21.32 | 21.22 | | | | |
| 20 | 16QAM | 100 | 0 | 21.18 | 21.30 | 21.19 | | | | |
| 20 | 64QAM | 1 | 0 | 21.44 | 21.51 | 21.47 | | | | |
| 20 | 64QAM | 1 | 49 | 21.31 | 21.45 | 21.39 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.27 | 21.41 | 21.28 | | | | |
| 20 | 64QAM | 50 | 0 | 20.31 | 20.42 | 20.32 | | | | |
| 20 | 64QAM | 50 | 24 | 20.19 | 20.33 | 20.22 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 50 | 20.38 | 20.38 | 20.25 | | | | |
| 20 | 64QAM | 100 | 0 | 20.27 | 20.30 | 20.26 | | | | |
| 20 | 256QAM | 1 | 49 | 18.45 | 18.45 | 18.38 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.38 | 18.42 | 18.32 | | | | |
| 20 | 256QAM | 50 | 0 | 18.28 | 18.41 | 18.28 | | | | |
| 20 | 256QAM | 50 | 24 | 18.27 | 18.31 | 18.18 | 18.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.37 | 18.33 | | | | |
| 20 | 256QAM | 100 | 0 | 18.23 | 18.38 | 18.28 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1875 | 1880 | 1907.5 | Turn-up (dB) | MPR (dB) | | |
| 15 | QPSK | 1 | 0 | 23.20 | 23.36 | 23.13 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.20 | 23.29 | 23.20 | | | | |
| 15 | QPSK | 1 | 74 | 23.07 | 23.16 | 23.17 | | | | |
| 15 | QPSK | 36 | 0 | 22.13 | 22.26 | 22.07 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.15 | 22.11 | 22.07 | | | | |
| 15 | QPSK | 36 | 39 | 22.12 | 22.09 | 22.06 | | | | |
| 15 | QPSK | 75 | 0 | 22.09 | 22.16 | 22.11 | | | | |
| 15 | 16QAM | 1 | 49 | 22.45 | 22.54 | 22.49 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.38 | 22.55 | 22.33 | | | | |
| 15 | 16QAM | 36 | 0 | 21.43 | 21.44 | 21.43 | | | | |
| 15 | 16QAM | 36 | 20 | 21.18 | 21.22 | 21.23 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.13 | 21.18 | 21.08 | | | | |
| 15 | 64QAM | 1 | 0 | 21.35 | 21.46 | 21.37 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.17 | 21.30 | 21.19 | | | | |
| 15 | 64QAM | 36 | 0 | 20.20 | 20.36 | 20.17 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.33 | 20.28 | 20.17 | | | | |
| 15 | 64QAM | 36 | 39 | 20.22 | 20.25 | 20.19 | | | | |
| 15 | 64QAM | 75 | 0 | 20.22 | 20.23 | 20.16 | | | | |
| 15 | 256QAM | 1 | 49 | 18.34 | 18.46 | 18.28 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.32 | 18.29 | | | | |
| 15 | 256QAM | 1 | 74 | 18.29 | 18.36 | 18.22 | | | | |
| 15 | 256QAM | 36 | 0 | 18.18 | 18.38 | 18.22 | | | | |
| 15 | 256QAM | 36 | 20 | 18.13 | 18.25 | 18.11 | 18.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.15 | 18.32 | 18.28 | | | | |
| 15 | 256QAM | 75 | 0 | 18.13 | 18.38 | 18.28 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1898 | 1910 | Turn-up (dB) | MPR (dB) | | |
| 10 | QPSK | 1 | 0 | 23.27 | 23.38 | 23.27 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.17 | 23.24 | 23.20 | | | | |
| 10 | QPSK | 1 | 49 | 23.10 | 23.18 | 23.09 | | | | |
| 10 | QPSK | 25 | 0 | 22.20 | 22.21 | 22.11 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 14 | 22.16 | 22.19 | 22.07 | | | | |
| 10 | QPSK | 25 | 25 | 22.04 | 22.11 | 22.01 | | | | |
| 10 | 16QAM | 1 | 0 | 22.42 | 22.58 | 22.47 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.34 | 22.50 | 22.42 | | | | |
| 10 | 16QAM | 25 | 0 | 21.22 | 21.30 | 21.15 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 14 | 21.14 | 21.17 | 21.08 | | | | |
| 10 | 16QAM | 25 | 25 | 21.05 | 21.18 | 21.15 | | | | |
| 10 | 64QAM | 1 | 0 | 21.32 | 21.38 | 21.44 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.26 | 21.35 | 21.28 | | | | |
| 10 | 64QAM | 1 | 49 | 21.17 | 21.34 | 21.18 | | | | |
| 10 | 64QAM | 25 | 0 | 20.24 | 20.30 | 20.29 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 14 | 20.25 | 20.28 | 20.18 | | | | |
| 10 | 64QAM | 25 | 25 | 20.23 | 20.33 | 20.20 | | | | |
| 10 | 64QAM | 50 | 0 | 20.20 | 20.22 | 20.20 | | | | |
| 10 | 256QAM | 1 | 49 | 18.40 | 18.43 | 18.33 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.38 | 18.39 | 18.33 | | | | |
| 10 | 256QAM | 1 | 49 | 18.30 | 18.38 | 18.27 | | | | |
| 10 | 256QAM | 25 | 0 | 18.20 | 18.30 | 18.22 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 14 | 18.20 | 18.20 | 18.12 | | | | |
| 10 | 256QAM | 25 | 25 | 18.11 | 18.25 | 18.20 | | | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.20 | 18.24 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1892.5 | 1898 | 1912.5 | Turn-up (dB) | MPR (dB) | | |
| 5 | QPSK | 1 | 0 | 23.24 | 23.33 | 23.15 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.18 | 23.30 | 23.15 | | | | |
| 5 | QPSK | 1 | 24 | 23.02 | 23.15 | 23.14 | | | | |
| 5 | QPSK | 12 | 0 | 22.13 | 22.26 | 22.18 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.09 | 22.21 | 22.16 | | | | |
| 5 | QPSK | 12 | 13 | 22.08 | 22.14 | 22.09 | | | | |
| 5 | 16QAM | 1 | 0 | 22.47 | 22.51 | 22.45 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.43 | 22.44 | 22.43 | | | | |
| 5 | 16QAM | 12 | 0 | 21.37 | 21.45 | 21.37 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.27 | 21.33 | 21.24 | | | | |
| 5 | 16QAM | 12 | 13 | 21.09 | 21.22 | 21.08 | | | | |
| 5 | 64QAM | 1 | 0 | 21.39 | 21.43 | 21.32 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.20 | 21.33 | 21.27 | | | | |
| 5 | 64QAM | 1 | 24 | 21.18 | 21.28 | 21.17 | | | | |
| 5 | 64QAM | 12 | 0 | 20.17 | 20.31 | 20.20 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.08 | 20.20 | 20.13 | | | | |
| 5 | 64QAM | 12 | 13 | 20.20 | 20.30 | 20.20 | | | | |
| 5 | 64QAM | 25 | 0 | 20.19 | 20.16 | 20.21 | | | | |
| 5 | 256QAM | 1 | 12 | 18.31 | 18.38 | 18.33 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.35 | 18.37 | 18.27 | | | | |
| 5 | 256QAM | 1 | 12 | 18.28 | 18.20 | 18.16 | | | | |
| 5 | 256QAM | 12 | 0 | 18.18 | 18.30 | 18.25 | | | | |
| 5 | 256QAM | 12 | 7 | 18.23 | 18.20 | 18.07 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.12 | 18.32 | 18.21 | | | | |
| 5 | 256QAM | 25 | 0 | 18.14 | 18.30 | 18.25 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1896.5 | 1898 | 1907.5 | Turn-up (dB) | MPR (dB) | | |
| 3 | QPSK | 1 | 0 | 23.24 | 23.38 | 23.15 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.18 | 23.24 | 23.16 | | | | |
| 3 | QPSK | 1 | 14 | 23.03 | 23.22 | 23.08 | | | | |
| 3 | QPSK | 3 | 0 | 22.16 | 22.21 | 22.11 | 23.5 | 1 | | |
| 3 | QPSK | 3 | 4 | 22.12 | 22.18 | 22.13 | | | | |
| 3 | QPSK | 3 | 7 | 22.05 | 22.14 | 22.08 | | | | |
| 3 | 16QAM | 1 | 0 | 22.02 | 22.14 | 22.14 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.50 | 22.60 | 22.42 | | | | |
| 3 | 16QAM | 1 | 15 | 22.44 | 22.46 | 22.30 | | | | |
| 3 | 16QAM | 3 | 0 | 21.20 | 21.23 | 21.22 | 22.5 | 2 | | |
| 3 | 16QAM | 3 | 4 | 21.11 | 21.26 | 21.11 | | | | |
| 3 | 16QAM | 3 | 8 | 21.06 | 21.20 | 21.09 | | | | |
| 3 | 64QAM | 1 | 0 | 21.39 | 21.44 | 21.39 | 22.5 | 2 | | |
| 3 | 64QAM | 1 | 8 | 21.27 | 21.38 | 21.30 | | | | |
| 3 | 64QAM | 1 | 14 | 21.13 | 21.38 | 21.16 | | | | |
| 3 | 64QAM | 3 | 0 | 20.20 | 20.30 | 20.19 | 21.5 | 3 | | |
| 3 | 64QAM | 3 | 4 | 20.16 | 20.23 | 20.16 | | | | |
| 3 | 64QAM | 3 | 7 | 20.18 | 20.29 | 20.20 | | | | |
| 3 | 256QAM | 1 | 0 | 18.38 | 18.48 | 18.34 | 19.5 | 5 | | |
| 3 | 256QAM | 1 | 8 | 18.34 | 18.43 | 18.27 | | | | |
| 3 | 256QAM | 3 | 0 | 18.35 | 18.38</ | | | | | |



| Band 38 Main PA Ant4 DSI0 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.26 | 21.27 | 21.28 | | | | |
| 20 | QPSK | 1 | 49 | 21.10 | 21.31 | 21.15 | 21.7 | 0 | | |
| 20 | QPSK | 50 | 0 | 21.09 | 21.32 | 21.01 | | | | |
| 20 | QPSK | 50 | 24 | 21.18 | 21.06 | 21.06 | 21.7 | 0 | | |
| 20 | QPSK | 100 | 0 | 21.04 | 21.16 | 20.97 | | | | |
| 20 | 16QAM | 1 | 0 | 21.21 | 21.19 | 21.04 | 21.7 | 0 | | |
| 20 | 16QAM | 1 | 49 | 21.03 | 21.01 | 20.97 | | | | |
| 20 | 16QAM | 1 | 99 | 21.05 | 21.01 | 20.87 | | | | |
| 20 | 16QAM | 50 | 0 | 21.08 | 21.17 | 21.04 | 21.7 | 0 | | |
| 20 | 16QAM | 50 | 24 | 21.14 | 21.26 | 21.04 | | | | |
| 20 | 16QAM | 100 | 0 | 21.13 | 21.28 | 21.23 | | | | |
| 20 | 16QAM | 100 | 0 | 21.09 | 21.23 | 21.04 | | | | |
| 20 | 16QAM | 100 | 24 | 21.13 | 21.17 | 21.11 | 21.7 | 0 | | |
| 20 | 16QAM | 100 | 49 | 21.04 | 21.04 | 21.16 | | | | |
| 20 | 16QAM | 100 | 0 | 21.06 | 21.03 | 20.93 | | | | |
| 20 | 16QAM | 100 | 24 | 21.09 | 21.13 | 21.12 | 21.7 | 0 | | |
| 20 | 16QAM | 100 | 50 | 21.18 | 21.10 | 21.11 | | | | |
| 20 | 16QAM | 100 | 0 | 21.16 | 21.10 | 20.92 | | | | |
| 20 | 16QAM | 100 | 24 | 21.19 | 21.10 | 20.92 | | | | |
| 20 | 16QAM | 100 | 49 | 21.09 | 21.09 | 20.99 | | | | |
| 20 | 16QAM | 100 | 0 | 21.00 | 20.97 | 20.95 | 20.7 | 1 | | |
| 20 | 16QAM | 100 | 24 | 20.99 | 20.97 | 20.95 | | | | |
| 20 | 16QAM | 100 | 50 | 20.99 | 20.10 | 20.94 | 20.7 | 1 | | |
| 20 | 16QAM | 100 | 0 | 20.94 | 20.18 | 20.98 | | | | |
| 20 | 16QAM | 100 | 0 | 20.95 | 20.17 | 20.98 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 21.27 | 21.29 | 21.25 | | | | |
| 15 | QPSK | 1 | 49 | 21.14 | 21.3 | 21.23 | 21.7 | 0 | | |
| 15 | QPSK | 1 | 97 | 20.99 | 21.17 | 20.99 | | | | |
| 15 | QPSK | 1 | 74 | 21.02 | 21.20 | 20.91 | | | | |
| 15 | QPSK | 1 | 0 | 21.09 | 21.09 | 21.13 | | | | |
| 15 | QPSK | 36 | 20 | 20.97 | 20.96 | 20.96 | 21.7 | 0 | | |
| 15 | QPSK | 36 | 39 | 21.17 | 21.11 | 20.96 | | | | |
| 15 | QPSK | 75 | 0 | 21.00 | 20.99 | 20.97 | | | | |
| 15 | 16QAM | 1 | 0 | 21.07 | 20.98 | 20.92 | 21.7 | 0 | | |
| 15 | 16QAM | 1 | 49 | 20.91 | 20.91 | 20.78 | | | | |
| 15 | 16QAM | 1 | 74 | 20.99 | 20.83 | 20.73 | | | | |
| 15 | 16QAM | 36 | 0 | 21.08 | 21.13 | 21.08 | 21.7 | 0 | | |
| 15 | 16QAM | 36 | 39 | 20.91 | 21.04 | 21.05 | | | | |
| 15 | 16QAM | 75 | 0 | 20.87 | 21.05 | 20.88 | 21.7 | 0 | | |
| 15 | 16QAM | 75 | 39 | 20.97 | 20.83 | 20.82 | | | | |
| 15 | 16QAM | 36 | 0 | 21.01 | 21.04 | 21.05 | | | | |
| 15 | 16QAM | 1 | 37 | 20.97 | 21.05 | 20.88 | | | | |
| 15 | 16QAM | 74 | 0 | 20.97 | 20.83 | 20.82 | | | | |
| 15 | 16QAM | 36 | 0 | 21.01 | 21.05 | 21.05 | | | | |
| 15 | 16QAM | 36 | 20 | 20.91 | 21.02 | 21.02 | 21.7 | 0 | | |
| 15 | 16QAM | 36 | 39 | 21.08 | 21.08 | 20.96 | | | | |
| 15 | 16QAM | 75 | 0 | 21.04 | 20.90 | 20.82 | | | | |
| 15 | 16QAM | 1 | 0 | 20.94 | 20.14 | 20.98 | 20.7 | 1 | | |
| 15 | 16QAM | 1 | 39 | 19.98 | 19.93 | 19.98 | | | | |
| 15 | 16QAM | 1 | 74 | 19.98 | 19.98 | 19.92 | | | | |
| 15 | 16QAM | 36 | 0 | 19.99 | 20.02 | 19.97 | | | | |
| 15 | 16QAM | 36 | 20 | 19.99 | 20.02 | 19.97 | | | | |
| 15 | 16QAM | 36 | 39 | 20.01 | 20.05 | 19.99 | 20.7 | 1 | | |
| 15 | 16QAM | 75 | 0 | 19.99 | 20.13 | 19.98 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 21.16 | 21.31 | 21.00 | | | | |
| 10 | QPSK | 1 | 25 | 21.11 | 21.28 | 21.00 | 21.7 | 0 | | |
| 10 | QPSK | 1 | 49 | 21.02 | 21.15 | 20.90 | | | | |
| 10 | QPSK | 1 | 0 | 21.02 | 21.15 | 21.00 | | | | |
| 10 | QPSK | 25 | 12 | 21.17 | 20.88 | 20.90 | 21.7 | 0 | | |
| 10 | QPSK | 25 | 25 | 21.03 | 20.89 | 21.09 | | | | |
| 10 | QPSK | 1 | 0 | 21.00 | 21.13 | 20.87 | 21.7 | 0 | | |
| 10 | 16QAM | 1 | 25 | 20.84 | 20.98 | 20.96 | | | | |
| 10 | 16QAM | 1 | 49 | 21.00 | 20.95 | 20.99 | 21.7 | 0 | | |
| 10 | 16QAM | 25 | 0 | 20.90 | 21.07 | 21.02 | | | | |
| 10 | 16QAM | 25 | 12 | 20.99 | 21.10 | 20.99 | 21.7 | 0 | | |
| 10 | 16QAM | 25 | 25 | 20.96 | 21.12 | 21.02 | | | | |
| 10 | 16QAM | 1 | 0 | 20.99 | 21.05 | 20.96 | | | | |
| 10 | 16QAM | 1 | 0 | 21.02 | 21.13 | 20.91 | 21.7 | 0 | | |
| 10 | 16QAM | 1 | 25 | 21.05 | 21.01 | 21.08 | | | | |
| 10 | 16QAM | 1 | 49 | 20.83 | 21.01 | 20.85 | | | | |
| 10 | 16QAM | 25 | 0 | 20.97 | 21.03 | 20.96 | | | | |
| 10 | 16QAM | 25 | 12 | 21.05 | 20.97 | 21.13 | 21.7 | 0 | | |
| 10 | 16QAM | 25 | 25 | 21.10 | 20.81 | 20.98 | | | | |
| 10 | 16QAM | 50 | 0 | 20.95 | 21.08 | 20.77 | | | | |
| 10 | 16QAM | 1 | 0 | 20.11 | 20.11 | 20.98 | | | | |
| 10 | 16QAM | 1 | 25 | 19.98 | 20.02 | 19.95 | 20.7 | 1 | | |
| 10 | 16QAM | 1 | 49 | 19.90 | 19.92 | 19.91 | | | | |
| 10 | 16QAM | 25 | 0 | 19.95 | 19.99 | 19.98 | | | | |
| 10 | 16QAM | 25 | 12 | 19.90 | 20.00 | 20.00 | 20.7 | 1 | | |
| 10 | 16QAM | 25 | 25 | 20.00 | 20.14 | 20.03 | | | | |
| 10 | 16QAM | 50 | 0 | 19.93 | 20.13 | 19.97 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 21.17 | 21.25 | 21.27 | | | | |
| 5 | QPSK | 1 | 19 | 20.95 | 21.21 | 20.94 | 21.7 | 0 | | |
| 5 | QPSK | 1 | 24 | 21.05 | 21.13 | 21.01 | | | | |
| 5 | QPSK | 12 | 0 | 21.07 | 21.06 | 21.00 | 21.7 | 0 | | |
| 5 | QPSK | 12 | 7 | 21.01 | 20.87 | 20.91 | | | | |
| 5 | QPSK | 12 | 19 | 21.05 | 21.08 | 20.94 | | | | |
| 5 | QPSK | 25 | 0 | 21.01 | 20.99 | 20.77 | | | | |
| 5 | QPSK | 25 | 0 | 21.01 | 20.99 | 21.04 | | | | |
| 5 | 16QAM | 1 | 12 | 20.91 | 20.81 | 20.96 | 21.7 | 0 | | |
| 5 | 16QAM | 1 | 24 | 21.04 | 20.93 | 20.87 | | | | |
| 5 | 16QAM | 12 | 0 | 20.94 | 21.15 | 20.88 | | | | |
| 5 | 16QAM | 12 | 7 | 21.01 | 21.25 | 20.99 | 21.7 | 0 | | |
| 5 | 16QAM | 12 | 13 | 20.94 | 21.18 | 21.04 | | | | |
| 5 | 16QAM | 25 | 0 | 20.86 | 21.05 | 20.99 | | | | |
| 5 | 16QAM | 1 | 0 | 21.00 | 21.02 | 21.07 | 21.7 | 0 | | |
| 5 | 16QAM | 1 | 12 | 21.00 | 20.92 | 21.08 | | | | |
| 5 | 16QAM | 1 | 24 | 21.00 | 20.96 | 20.70 | | | | |
| 5 | 16QAM | 12 | 0 | 20.93 | 21.07 | 21.04 | 21.7 | 0 | | |
| 5 | 16QAM | 12 | 7 | 21.10 | 21.07 | 20.90 | | | | |
| 5 | 16QAM | 12 | 13 | 20.99 | 20.92 | 21.01 | | | | |
| 5 | 16QAM | 25 | 0 | 20.97 | 20.97 | 20.80 | | | | |
| 5 | 16QAM | 1 | 0 | 20.09 | 20.23 | 20.11 | | | | |
| 5 | 16QAM | 1 | 12 | 19.97 | 20.12 | 20.01 | 20.7 | 1 | | |
| 5 | 16QAM | 1 | 24 | 19.88 | 19.84 | 19.88 | | | | |
| 5 | 16QAM | 12 | 0 | 19.85 | 19.99 | 19.88 | | | | |
| 5 | 16QAM | 12 | 7 | 19.85 | 19.88 | 19.84 | 20.7 | 1 | | |
| 5 | 16QAM | 12 | 13 | 20.09 | 20.09 | 19.96 | | | | |
| 5 | 16QAM | 25 | 0 | 19.92 | 20.06 | 19.91 | | | | |

| Band 41 Main PA Ant4 DSI0 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.16 | 21.43 | 21.09 | | | | |
| 20 | QPSK | 1 | 49 | 21.32 | 21.13 | 21.45 | 21.3 | 0 | | |
| 20 | QPSK | 1 | 99 | 21.08 | 21.27 | 21.29 | | | | |
| 20 | QPSK | 50 | 0 | 21.30 | 21.18 | 21.42 | 21.09 | 21.36 | | |
| 20 | QPSK | 50 | 24 | 21.25 | 21.17 | 21.23 | 21.02 | 21.16 | | |
| 20 | QPSK | 100 | 0 | 21.17 | 21.12 | 21.08 | 20.97 | | | |
| 20 | QPSK | 100 | 0 | 21.15 | 21.22 | 21.31 | 21.12 | 21.20 | | |
| 20 | 16QAM | 1 | 0 | 21.34 | 21.31 | 21.33 | 21.26 | 21.39 | | |
| 20 | 16QAM | 1 | 49 | 21.02 | 21.27 | 21.36 | 21.37 | 21.27 | | |
| 20 | 16QAM | 1 | 99 | 21.35 | 21.37 | 21.30 | 21.23 | 21.12 | | |
| 20 | 16QAM | 50 | 0 | 21.12 | 21.16 | 21.27 | 21.10 | 21.24 | | |
| 20 | 16QAM | 50 | 24 | 21.00 | 21.48 | 21.15 | 21.05 | 21.30 | | |
| 20 | 16QAM | 50 | 50 | 21.12 | 21.21 | 21.31 | 21.21 | 21.40 | | |
| 20 | 16QAM | 100 | 0 | 21.08 | 21.09 | 21.22 | 21.30 | 21.44 | | |
| 20 | 16QAM | 100 | 1 | 20.84 | 20.75 | 20.82 | 20.79 | 20.71 | | |
| 20 | 16QAM | 1 | 49 | 20.77 | 20.76 | 20.88 | 20.87 | 20.85 | | |
| 20 | 16QAM | 1 | 99 | 20.85 | 20.83 | 20.82 | 20.85 | 20.88 | | |
| 20 | 16QAM | 50 | 0 | 21.19 | 21.23 | 21.42 | 21.32 | 21.17 | | |
| 20 | 16QAM | 50 | 24 | 21.12 | 21.03 | 21.15 | 21.12 | 21.11 | | |
| 20 | 16QAM | 50 | 50 | 21.19 | 21.13 | 21.32 | 21.32 | 21.32 | | |
| 20 | 16QAM | 100 | 0 | 21.18 | 21.18 | 21.22 | 21.30 | 20.99 | | |
| 20 | 16QAM | 1 | 0 | 20.27 | 20.20 | 20.32 | 20.29 | 20.19 | | |
| 20 | 16QAM | 1 | 49 | 20.23 | 20.18 | 20.29 | 20.16 | 20.19 | | |
| 20 | 16QAM | 1 | 99 | 20.16 | 20.17 | 20.34 | 20.15 | 20.17 | | |
| 20 | 16QAM | 50 | 0 | 20.19 | 20.20 | 20.30 | 20.11 | 20.16 | | |
| 20 | 16QAM | 50 | 24 | 19.98 | 20.08 | 20.13 | 20.05 | 20.07 | | |
| 20 | 16QAM | 50 | 50 | 20.14 | 20.13 | 20.19 | 20.09 | 20.14 | | |
| 20 | 16QAM | 100 | 0 | 20.13 | 20.17 | 20.18 | 20.16 | 20.16 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 21.24 | 21.43 | 21.09 | | | | |
| 16 | QPSK | 1 | 37 | 21.31 | 21.13 | 21.35 | 21.33 | 21.19 | | |
| 16 | QPSK | 1 | 74 | 21.04 | 21.20 | 21.22 | 20.98 | 21.14 | | |
| 16 | QPSK | 36</ | | | | | | | | |



| Band 42 FCC Part27Q Main PA Ant5 DSI0 | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|-------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MFR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 20.60 | 20.58 | 20.54 | 21 | 0 | |
| 20 | QPSK | 1 | 49 | 20.52 | 20.58 | 20.55 | | | |
| 20 | QPSK | 1 | 99 | 20.31 | 20.60 | 20.45 | | | |
| 20 | QPSK | 50 | 0 | 20.19 | 20.47 | 20.34 | | | |
| 20 | QPSK | 50 | 24 | 20.06 | 20.32 | 20.14 | 21 | 0 | |
| 20 | QPSK | 50 | 49 | 20.04 | 20.30 | 20.14 | | | |
| 20 | QPSK | 100 | 0 | 20.15 | 20.21 | 20.20 | | | |
| 20 | HQAM | 1 | 0 | 20.61 | 20.17 | 20.21 | 21 | 0 | |
| 20 | HQAM | 1 | 49 | 20.15 | 20.15 | 19.96 | | | |
| 20 | HQAM | 1 | 99 | 20.09 | 20.24 | 20.08 | | | |
| 20 | HQAM | 50 | 0 | 20.40 | 20.35 | 20.37 | 21 | 0 | |
| 20 | HQAM | 50 | 24 | 20.27 | 20.30 | 20.28 | | | |
| 20 | HQAM | 50 | 50 | 20.23 | 20.44 | 20.32 | | | |
| 20 | HQAM | 100 | 0 | 20.28 | 20.28 | 20.22 | | | |
| 20 | HQAM | 100 | 0 | 19.95 | 20.14 | 20.04 | | | |
| 20 | HQAM | 1 | 49 | 19.88 | 20.00 | 20.13 | 21 | 0 | |
| 20 | HQAM | 1 | 99 | 19.98 | 19.92 | 19.95 | | | |
| 20 | HQAM | 50 | 0 | 20.33 | 20.32 | 20.28 | | | |
| 20 | HQAM | 50 | 24 | 19.90 | 20.11 | 20.10 | 21 | 0 | |
| 20 | HQAM | 50 | 50 | 20.13 | 20.07 | 19.99 | | | |
| 20 | HQAM | 100 | 0 | 19.98 | 20.02 | 20.00 | | | |
| 20 | ZSSBAM | 1 | 0 | 19.75 | 19.84 | 19.70 | | | |
| 20 | ZSSBAM | 1 | 49 | 19.67 | 19.80 | 19.67 | 20.5 | 0.5 | |
| 20 | ZSSBAM | 1 | 99 | 19.64 | 19.79 | 19.73 | | | |
| 20 | ZSSBAM | 50 | 0 | 19.69 | 19.66 | 19.66 | | | |
| 20 | ZSSBAM | 50 | 24 | 19.57 | 19.63 | 19.51 | 20.5 | 0.5 | |
| 20 | ZSSBAM | 50 | 50 | 19.64 | 19.75 | 19.68 | | | |
| 20 | ZSSBAM | 100 | 0 | 19.65 | 19.65 | 19.57 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 20.34 | 20.30 | 20.43 | 21 | 0 | |
| 15 | QPSK | 1 | 47 | 20.38 | 20.54 | 20.48 | | | |
| 15 | QPSK | 1 | 74 | 20.30 | 20.65 | 20.23 | | | |
| 15 | QPSK | 36 | 0 | 19.96 | 20.30 | 20.25 | | | |
| 15 | QPSK | 36 | 20 | 19.98 | 20.21 | 20.09 | 21 | 0 | |
| 15 | QPSK | 75 | 0 | 20.01 | 20.20 | 20.07 | | | |
| 15 | HQAM | 1 | 0 | 19.91 | 20.11 | 20.21 | 21 | 0 | |
| 15 | HQAM | 1 | 47 | 20.09 | 19.96 | 19.99 | | | |
| 15 | HQAM | 1 | 74 | 19.91 | 20.17 | 19.98 | | | |
| 15 | HQAM | 36 | 0 | 20.09 | 20.24 | 20.24 | | | |
| 15 | HQAM | 36 | 20 | 20.20 | 20.30 | 20.08 | 21 | 0 | |
| 15 | HQAM | 36 | 36 | 20.07 | 20.41 | 20.16 | | | |
| 15 | HQAM | 75 | 0 | 20.08 | 20.23 | 20.13 | | | |
| 15 | HQAM | 1 | 0 | 19.84 | 20.12 | 19.89 | | | |
| 15 | HQAM | 1 | 47 | 19.72 | 19.92 | 20.13 | 21 | 0 | |
| 15 | HQAM | 1 | 74 | 19.76 | 19.76 | 19.72 | | | |
| 15 | HQAM | 36 | 0 | 20.12 | 20.14 | 20.11 | | | |
| 15 | HQAM | 36 | 20 | 19.84 | 20.09 | 19.80 | 21 | 0 | |
| 15 | HQAM | 36 | 36 | 19.83 | 19.83 | 19.83 | | | |
| 15 | HQAM | 75 | 0 | 19.97 | 19.83 | 20.04 | | | |
| 15 | ZSSBAM | 1 | 0 | 19.68 | 19.79 | 19.68 | 20.5 | 0.5 | |
| 15 | ZSSBAM | 1 | 47 | 19.60 | 19.75 | 19.63 | | | |
| 15 | ZSSBAM | 1 | 74 | 19.53 | 19.69 | 19.62 | | | |
| 15 | ZSSBAM | 36 | 0 | 19.65 | 19.72 | 19.59 | 20.5 | 0.5 | |
| 15 | ZSSBAM | 36 | 20 | 19.69 | 19.82 | 19.67 | | | |
| 15 | ZSSBAM | 36 | 36 | 19.59 | 19.61 | 19.58 | | | |
| 15 | ZSSBAM | 75 | 0 | 19.43 | 19.63 | 19.61 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 20.38 | 20.30 | 20.43 | 21 | 0 | |
| 10 | QPSK | 1 | 25 | 20.49 | 20.43 | 20.40 | | | |
| 10 | QPSK | 1 | 49 | 20.14 | 20.47 | 20.39 | | | |
| 10 | QPSK | 12 | 0 | 20.05 | 20.30 | 20.25 | | | |
| 10 | QPSK | 25 | 12 | 19.88 | 20.24 | 20.11 | 21 | 0 | |
| 10 | QPSK | 25 | 25 | 19.92 | 20.02 | 20.12 | | | |
| 10 | QPSK | 50 | 0 | 20.00 | 20.14 | 20.06 | | | |
| 10 | HQAM | 1 | 0 | 19.83 | 20.09 | 20.02 | 21 | 0 | |
| 10 | HQAM | 1 | 25 | 20.13 | 20.00 | 19.96 | | | |
| 10 | HQAM | 1 | 49 | 19.97 | 20.21 | 19.94 | | | |
| 10 | HQAM | 25 | 0 | 20.28 | 20.28 | 20.26 | | | |
| 10 | HQAM | 25 | 12 | 20.24 | 20.30 | 20.00 | 21 | 0 | |
| 10 | HQAM | 25 | 25 | 20.12 | 20.42 | 20.25 | | | |
| 10 | HQAM | 50 | 0 | 20.26 | 20.19 | 20.02 | | | |
| 10 | HQAM | 1 | 0 | 19.83 | 20.10 | 20.04 | | | |
| 10 | HQAM | 1 | 25 | 19.68 | 19.93 | 19.91 | 21 | 0 | |
| 10 | HQAM | 1 | 49 | 19.94 | 19.78 | 19.75 | | | |
| 10 | HQAM | 25 | 0 | 20.27 | 20.18 | 20.05 | | | |
| 10 | HQAM | 25 | 12 | 19.85 | 20.03 | 19.80 | 21 | 0 | |
| 10 | HQAM | 25 | 25 | 19.87 | 20.04 | 19.92 | | | |
| 10 | HQAM | 50 | 0 | 19.96 | 19.95 | 19.90 | | | |
| 10 | ZSSBAM | 1 | 0 | 19.72 | 19.80 | 19.56 | 20.5 | 0.5 | |
| 10 | ZSSBAM | 1 | 25 | 19.58 | 19.73 | 19.64 | | | |
| 10 | ZSSBAM | 1 | 49 | 19.51 | 19.50 | 19.67 | | | |
| 10 | ZSSBAM | 25 | 0 | 19.59 | 19.78 | 19.69 | 20.5 | 0.5 | |
| 10 | ZSSBAM | 25 | 12 | 19.67 | 19.60 | 19.67 | | | |
| 10 | ZSSBAM | 25 | 25 | 19.55 | 19.63 | 19.57 | | | |
| 10 | ZSSBAM | 50 | 0 | 19.49 | 19.52 | 19.47 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 20.41 | 20.32 | 20.46 | 21 | 0 | |
| 5 | QPSK | 1 | 12 | 20.49 | 20.37 | 20.50 | | | |
| 5 | QPSK | 1 | 24 | 20.11 | 20.51 | 20.45 | | | |
| 5 | QPSK | 12 | 0 | 20.16 | 20.38 | 20.24 | | | |
| 5 | QPSK | 12 | 7 | 19.95 | 20.20 | 19.94 | 21 | 0 | |
| 5 | QPSK | 12 | 13 | 19.94 | 20.00 | 20.11 | | | |
| 5 | QPSK | 25 | 0 | 19.87 | 20.20 | 20.16 | | | |
| 5 | HQAM | 1 | 0 | 19.88 | 20.04 | 20.05 | | | |
| 5 | HQAM | 1 | 12 | 20.13 | 19.83 | 19.85 | 21 | 0 | |
| 5 | HQAM | 1 | 24 | 20.00 | 20.18 | 19.90 | | | |
| 5 | HQAM | 12 | 0 | 20.09 | 20.28 | 20.27 | | | |
| 5 | HQAM | 12 | 7 | 20.23 | 20.36 | 20.13 | 21 | 0 | |
| 5 | HQAM | 12 | 13 | 20.01 | 20.40 | 20.25 | | | |
| 5 | HQAM | 25 | 0 | 20.16 | 20.10 | 20.23 | | | |
| 5 | HQAM | 1 | 0 | 19.87 | 20.06 | 19.89 | 21 | 0 | |
| 5 | HQAM | 1 | 12 | 19.88 | 19.88 | 20.04 | | | |
| 5 | HQAM | 1 | 24 | 19.87 | 19.80 | 19.90 | | | |
| 5 | HQAM | 12 | 0 | 20.28 | 20.16 | 20.08 | | | |
| 5 | HQAM | 12 | 7 | 19.87 | 20.17 | 20.03 | 21 | 0 | |
| 5 | HQAM | 12 | 13 | 19.95 | 20.07 | 19.77 | | | |
| 5 | HQAM | 25 | 0 | 19.87 | 19.91 | 20.06 | | | |
| 5 | ZSSBAM | 1 | 0 | 19.64 | 19.78 | 19.56 | 20.5 | 0.5 | |
| 5 | ZSSBAM | 1 | 12 | 19.66 | 19.71 | 19.62 | | | |
| 5 | ZSSBAM | 1 | 24 | 19.60 | 19.71 | 19.69 | | | |
| 5 | ZSSBAM | 12 | 0 | 19.49 | 19.46 | 19.47 | 20.5 | 0.5 | |
| 5 | ZSSBAM | 12 | 7 | 19.59 | 19.69 | 19.58 | | | |
| 5 | ZSSBAM | 12 | 13 | 19.49 | 19.65 | 19.58 | | | |
| 5 | ZSSBAM | 25 | 0 | 19.49 | 19.50 | 19.45 | | | |

| Band 48 Main PA Ant5 DSI0 | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|-------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MFR (dB) |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 20.14 | 20.09 | 20.03 | 20.16 | 20.5 | 0 |
| 20 | QPSK | 1 | 49 | 20.10 | 20.21 | 19.90 | 20.04 | | |
| 20 | QPSK | 1 | 99 | 20.00 | 19.96 | 19.90 | 19.99 | | |
| 20 | QPSK | 50 | 0 | 19.96 | 20.11 | 20.01 | 19.95 | 20.5 | 0 |
| 20 | QPSK | 50 | 24 | 19.84 | 19.78 | 19.84 | 19.90 | | |
| 20 | QPSK | 50 | 49 | 19.73 | 19.82 | 19.74 | 19.74 | | |
| 20 | QPSK | 100 | 0 | 19.82 | 20.02 | 19.77 | 19.87 | | |
| 20 | HQAM | 1 | 0 | 19.82 | 19.87 | 19.87 | 19.73 | 20.5 | 0 |
| 20 | HQAM | 1 | 49 | 19.83 | 19.80 | 19.87 | 19.84 | | |
| 20 | HQAM | 1 | 99 | 19.82 | 19.89 | 19.84 | 19.69 | | |
| 20 | HQAM | 50 | 0 | 20.04 | 19.96 | 20.11 | 20.04 | 20.5 | 0 |
| 20 | HQAM | 50 | 24 | 19.76 | 20.05 | 19.88 | 19.78 | | |
| 20 | HQAM | 50 | 50 | 19.86 | 20.05 | 19.94 | 19.84 | | |
| 20 | HQAM | 100 | 0 | 19.87 | 19.76 | 19.81 | 19.76 | | |
| 20 | HQAM | 100 | 0 | 19.65 | 19.76 | 19.58 | 19.74 | | |
| 20 | HQAM | 1 | 49 | 19.64 | 19.74 | 19.61 | 19.77 | 20.5 | 0 |
| 20 | HQAM | 1 | 99 | 19.62 | 19.53 | 19.55 | 19.58 | | |
| 20 | HQAM | 50 | 0 | 19.72 | 19.95 | 19.89 | 19.85 | 20.5 | 0 |
| 20 | HQAM | 50 | 24 | 19.55 | 19.75 | 19.56 | 19.57 | | |
| 20 | HQAM | 50 | 50 | 19.62 | 19.84 | 19.61 | 19.63 | | |
| 20 | HQAM | 100 | 0 | 19.79 | 19.71 | 19.68 | 19.61 | | |
| 20 | ZSSBAM | | | | | | | | |



| Band 42 FCC Part27Q Main PA Ant6 DSI0 | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3416 | 3500 | 3584 | | | |
| 20 | QPSK | 1 | 0 | 17.84 | 17.94 | 17.98 | 18.5 | 0 | |
| 20 | QPSK | 1 | 49 | 17.87 | 17.79 | 17.82 | | | |
| 20 | QPSK | 1 | 99 | 17.74 | 17.82 | 17.76 | | | |
| 20 | QPSK | 50 | 0 | 17.83 | 17.95 | 17.82 | | | |
| 20 | QPSK | 50 | 24 | 17.85 | 17.96 | 17.96 | 18.5 | 0 | |
| 20 | QPSK | 100 | 0 | 17.82 | 17.82 | 17.82 | | | |
| 20 | HDQAM | 1 | 0 | 17.88 | 17.82 | 17.85 | 18.5 | 0 | |
| 20 | HDQAM | 1 | 49 | 17.88 | 17.45 | 17.41 | | | |
| 20 | HDQAM | 1 | 99 | 17.25 | 17.41 | 17.28 | | | |
| 20 | HDQAM | 50 | 0 | 17.82 | 17.84 | 17.84 | | | |
| 20 | HDQAM | 50 | 24 | 17.82 | 17.41 | 17.52 | 18.5 | 0 | |
| 20 | HDQAM | 50 | 50 | 17.89 | 17.82 | 17.78 | | | |
| 20 | HDQAM | 100 | 0 | 17.83 | 17.82 | 17.82 | | | |
| 20 | HDQAM | 100 | 0 | 17.87 | 17.33 | 17.27 | | | |
| 20 | HDQAM | 1 | 49 | 17.88 | 17.23 | 17.30 | 18.5 | 0 | |
| 20 | HDQAM | 1 | 99 | 17.81 | 17.82 | 17.84 | | | |
| 20 | HDQAM | 50 | 24 | 17.28 | 17.45 | 17.44 | 18.5 | 0 | |
| 20 | HDQAM | 50 | 50 | 17.83 | 17.83 | 17.47 | | | |
| 20 | HDQAM | 100 | 0 | 17.82 | 17.84 | 17.46 | | | |
| 20 | ZSSQAM | 1 | 0 | 17.82 | 17.26 | 17.38 | | | |
| 20 | ZSSQAM | 1 | 49 | 17.82 | 17.26 | 17.41 | 18.5 | 0 | |
| 20 | ZSSQAM | 1 | 99 | 17.12 | 17.52 | 17.30 | | | |
| 20 | ZSSQAM | 50 | 0 | 17.82 | 17.26 | 17.26 | | | |
| 20 | ZSSQAM | 50 | 24 | 16.96 | 17.27 | 17.09 | 18.5 | 0 | |
| 20 | ZSSQAM | 50 | 50 | 17.29 | 17.19 | 17.05 | | | |
| 20 | ZSSQAM | 100 | 0 | 17.83 | 17.26 | 17.42 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 4216 | 4299 | 4383 | | | |
| 15 | QPSK | 1 | 0 | 3473 | 3500 | 3529 | 18.5 | 0 | |
| 15 | QPSK | 1 | 37 | 37.77 | 37.86 | 37.81 | | | |
| 15 | QPSK | 1 | 74 | 37.85 | 37.86 | 37.86 | | | |
| 15 | QPSK | 36 | 0 | 37.81 | 37.86 | 37.86 | 18.5 | 0 | |
| 15 | QPSK | 36 | 20 | 37.82 | 37.41 | 37.18 | | | |
| 15 | QPSK | 36 | 39 | 37.82 | 37.41 | 37.18 | | | |
| 15 | QPSK | 75 | 0 | 37.88 | 37.84 | 37.18 | | | |
| 15 | HDQAM | 1 | 0 | 37.26 | 37.47 | 37.13 | 18.5 | 0 | |
| 15 | HDQAM | 1 | 37 | 37.27 | 37.38 | 37.28 | | | |
| 15 | HDQAM | 1 | 74 | 37.07 | 37.38 | 37.28 | | | |
| 15 | HDQAM | 36 | 0 | 37.21 | 37.49 | 37.39 | 18.5 | 0 | |
| 15 | HDQAM | 36 | 20 | 37.28 | 37.28 | 37.28 | | | |
| 15 | HDQAM | 36 | 39 | 37.28 | 37.28 | 37.13 | | | |
| 15 | HDQAM | 75 | 0 | 37.33 | 37.52 | 37.30 | | | |
| 15 | HDQAM | 1 | 0 | 37.29 | 37.52 | 37.29 | 18.5 | 0 | |
| 15 | HDQAM | 1 | 37 | 37.38 | 37.52 | 37.23 | | | |
| 15 | HDQAM | 1 | 74 | 36.92 | 37.23 | 37.06 | | | |
| 15 | HDQAM | 36 | 0 | 37.47 | 37.82 | 37.48 | 18.5 | 0 | |
| 15 | HDQAM | 36 | 20 | 37.15 | 37.33 | 37.43 | | | |
| 15 | HDQAM | 36 | 39 | 37.15 | 37.48 | 37.48 | | | |
| 15 | HDQAM | 75 | 0 | 37.14 | 37.44 | 37.40 | | | |
| 15 | ZSSQAM | 1 | 0 | 37.09 | 37.31 | 37.17 | 18.5 | 0 | |
| 15 | ZSSQAM | 1 | 37 | 37.08 | 37.46 | 37.17 | | | |
| 15 | ZSSQAM | 1 | 74 | 36.95 | 37.22 | 37.12 | | | |
| 15 | ZSSQAM | 36 | 0 | 37.21 | 37.33 | 37.24 | 18.5 | 0 | |
| 15 | ZSSQAM | 36 | 20 | 36.88 | 37.52 | 37.07 | | | |
| 15 | ZSSQAM | 36 | 39 | 37.30 | 37.14 | 36.84 | | | |
| 15 | ZSSQAM | 75 | 0 | 37.13 | 37.52 | 37.14 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3416 | 3500 | 3584 | | | |
| 10 | QPSK | 1 | 0 | 17.82 | 17.74 | 17.84 | 18.5 | 0 | |
| 10 | QPSK | 1 | 25 | 17.87 | 17.77 | 17.84 | | | |
| 10 | QPSK | 1 | 49 | 17.73 | 17.84 | 17.88 | | | |
| 10 | QPSK | 12 | 0 | 17.82 | 17.82 | 17.82 | 18.5 | 0 | |
| 10 | QPSK | 25 | 12 | 17.85 | 17.48 | 17.28 | | | |
| 10 | QPSK | 25 | 25 | 17.48 | 17.38 | 17.29 | | | |
| 10 | HDQAM | 1 | 0 | 17.87 | 17.46 | 17.28 | 18.5 | 0 | |
| 10 | HDQAM | 1 | 25 | 17.28 | 17.41 | 17.28 | | | |
| 10 | HDQAM | 1 | 49 | 17.29 | 17.27 | 17.28 | | | |
| 10 | HDQAM | 25 | 0 | 17.27 | 17.59 | 17.47 | 18.5 | 0 | |
| 10 | HDQAM | 25 | 12 | 17.28 | 17.28 | 17.28 | | | |
| 10 | HDQAM | 25 | 25 | 17.29 | 17.81 | 17.21 | | | |
| 10 | HDQAM | 50 | 0 | 17.27 | 17.41 | 17.34 | | | |
| 10 | HDQAM | 1 | 0 | 17.84 | 17.41 | 17.28 | 18.5 | 0 | |
| 10 | HDQAM | 1 | 25 | 17.11 | 17.20 | 17.23 | | | |
| 10 | HDQAM | 1 | 49 | 16.85 | 17.28 | 17.03 | | | |
| 10 | HDQAM | 25 | 0 | 17.48 | 17.48 | 17.27 | 18.5 | 0 | |
| 10 | HDQAM | 25 | 12 | 17.15 | 17.40 | 17.46 | | | |
| 10 | HDQAM | 25 | 25 | 17.33 | 17.55 | 17.46 | | | |
| 10 | HDQAM | 50 | 0 | 17.18 | 17.32 | 17.38 | | | |
| 10 | ZSSQAM | 1 | 0 | 17.21 | 17.26 | 17.18 | 18.5 | 0 | |
| 10 | ZSSQAM | 1 | 25 | 17.26 | 17.26 | 17.27 | | | |
| 10 | ZSSQAM | 1 | 49 | 17.01 | 17.15 | 17.15 | | | |
| 10 | ZSSQAM | 25 | 0 | 17.31 | 17.22 | 17.21 | 18.5 | 0 | |
| 10 | ZSSQAM | 25 | 12 | 16.98 | 17.46 | 17.06 | | | |
| 10 | ZSSQAM | 25 | 25 | 17.09 | 17.04 | 17.01 | | | |
| 10 | ZSSQAM | 50 | 0 | 17.63 | 17.17 | 17.16 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3416 | 3500 | 3584 | | | |
| 5 | QPSK | 1 | 0 | 17.87 | 17.85 | 17.80 | 18.5 | 0 | |
| 5 | QPSK | 1 | 12 | 17.82 | 17.82 | 17.84 | | | |
| 5 | QPSK | 1 | 24 | 17.88 | 17.82 | 17.87 | | | |
| 5 | QPSK | 12 | 0 | 17.83 | 17.86 | 17.44 | 18.5 | 0 | |
| 5 | QPSK | 12 | 7 | 17.81 | 17.85 | 17.80 | | | |
| 5 | QPSK | 12 | 13 | 17.48 | 17.86 | 17.38 | | | |
| 5 | QPSK | 25 | 0 | 17.88 | 17.86 | 17.84 | 18.5 | 0 | |
| 5 | HDQAM | 1 | 0 | 17.33 | 17.33 | 17.26 | | | |
| 5 | HDQAM | 1 | 12 | 17.10 | 17.38 | 17.32 | 18.5 | 0 | |
| 5 | HDQAM | 1 | 24 | 17.34 | 17.38 | 17.21 | | | |
| 5 | HDQAM | 12 | 0 | 17.81 | 17.81 | 17.32 | 18.5 | 0 | |
| 5 | HDQAM | 12 | 7 | 17.81 | 17.81 | 17.32 | | | |
| 5 | HDQAM | 12 | 13 | 17.83 | 17.41 | 17.10 | | | |
| 5 | HDQAM | 25 | 0 | 17.29 | 17.81 | 17.37 | 18.5 | 0 | |
| 5 | HDQAM | 25 | 12 | 17.29 | 17.81 | 17.37 | | | |
| 5 | HDQAM | 25 | 25 | 17.29 | 17.81 | 17.37 | | | |
| 5 | HDQAM | 50 | 0 | 17.80 | 17.21 | 17.18 | 18.5 | 0 | |
| 5 | HDQAM | 50 | 12 | 17.80 | 17.21 | 17.18 | | | |
| 5 | HDQAM | 50 | 24 | 16.80 | 17.21 | 17.18 | | | |
| 5 | ZSSQAM | 1 | 0 | 17.18 | 17.20 | 17.31 | 18.5 | 0 | |
| 5 | ZSSQAM | 1 | 12 | 17.38 | 17.19 | 17.21 | | | |
| 5 | ZSSQAM | 1 | 24 | 16.81 | 17.18 | 17.18 | | | |
| 5 | ZSSQAM | 12 | 0 | 17.37 | 17.20 | 17.26 | 18.5 | 0 | |
| 5 | ZSSQAM | 12 | 7 | 16.87 | 17.20 | 16.93 | | | |
| 5 | ZSSQAM | 12 | 13 | 17.24 | 17.20 | 16.98 | | | |
| 5 | ZSSQAM | 25 | 0 | 17.14 | 17.26 | 16.99 | 18.5 | 0 | |

| Band 48 Main PA Ant6 DSI0 | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 5630 | 5690 | 5690 | | | |
| 20 | QPSK | 1 | 0 | 16.73 | 16.73 | 16.81 | 17.5 | 0 | |
| 20 | QPSK | 1 | 49 | 16.95 | 16.85 | 16.74 | | | |
| 20 | QPSK | 1 | 99 | 16.87 | 16.84 | 16.87 | | | |
| 20 | QPSK | 50 | 0 | 16.90 | 16.81 | 16.81 | | | |
| 20 | QPSK | 50 | 24 | 16.86 | 16.87 | 16.85 | 17.5 | 0 | |
| 20 | QPSK | 100 | 0 | 16.92 | 16.71 | 16.82 | | | |
| 20 | QPSK | 100 | 0 | 16.88 | 16.80 | 16.79 | | | |
| 20 | HDQAM | 1 | 0 | 16.99 | 16.82 | 16.84 | 17.5 | 0 | |
| 20 | HDQAM | 1 | 49 | 16.44 | 16.83 | 16.81 | | | |
| 20 | HDQAM | 1 | 99 | 16.35 | 16.87 | 16.38 | | | |
| 20 | HDQAM | 50 | 0 | 16.71 | 16.73 | 16.84 | 17.5 | 0 | |
| 20 | HDQAM | 50 | 24 | 16.95 | 16.96 | 16.81 | | | |
| 20 | HDQAM | 50 | 50 | 16.42 | 16.82 | 16.83 | | | |
| 20 | HDQAM | 100 | 0 | 16.82 | 16.82 | 16.82 | | | |
| 20 | HDQAM | 100 | 0 | 16.37 | 16.82 | 16.43 | | | |
| 20 | HDQAM | 1 | 49 | 16.27 | 16.38 | 16.82 | 17.5 | 0 | |
| 20 | HDQAM | 1 | 99 | 16.22 | 16.34 | 16.39 | | | |
| 20 | HDQAM | 50 | 24 | 16.39 | 16.51 | 16.57 | 17.5 | 0 | |
| 20 | HDQAM | 50 | 50 | 16.80 | 16.70 | 16.69 | | | |
| 20 | HDQAM | 100 | 0 | 16.82 | 16.80 | 16.44 | | | |
| 20 | ZSSQAM | 1 | 0 | 16.38 | 16.81 | 16.26 | 17.5 | 0 | |
| 20 | ZSSQAM | 1 | 49 | 16.35 | 16.44 | 16.50 | | | |
| 20 | ZSSQAM | 1 | 99 | 16.22 | 16.32 | 16.3 | | | |



| Band 42 FCC Part27Q Mian PA Ant7 | | | | | | | | | |
|----------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MFR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.52 | 23.52 | 23.48 | 24.5 | 0 | |
| 20 | QPSK | 1 | 49 | 23.52 | 23.44 | 23.38 | | | |
| 20 | QPSK | 1 | 99 | 23.38 | 23.40 | 23.36 | | | |
| 20 | QPSK | 50 | 0 | 22.45 | 22.50 | 22.40 | | | |
| 20 | QPSK | 50 | 24 | 22.37 | 22.48 | 22.43 | 23.5 | 1 | |
| 20 | QPSK | 100 | 0 | 22.28 | 22.31 | 22.25 | | | |
| 20 | QPSK | 100 | 49 | 22.20 | 22.31 | 22.23 | | | |
| 20 | HQAM | 1 | 0 | 22.28 | 22.37 | 22.33 | 23.5 | 1 | |
| 20 | HQAM | 1 | 49 | 22.20 | 22.31 | 22.19 | | | |
| 20 | HQAM | 1 | 99 | 22.13 | 22.25 | 22.12 | | | |
| 20 | HQAM | 50 | 0 | 21.40 | 21.36 | 21.46 | | | |
| 20 | HQAM | 50 | 24 | 21.32 | 21.40 | 21.38 | 22.5 | 2 | |
| 20 | HQAM | 50 | 50 | 21.24 | 21.40 | 21.39 | | | |
| 20 | HQAM | 100 | 0 | 21.27 | 21.29 | 21.25 | | | |
| 20 | HQAM | 100 | 49 | 21.25 | 21.42 | 21.33 | | | |
| 20 | HQAM | 1 | 49 | 21.27 | 21.36 | 21.28 | 22.5 | 2 | |
| 20 | HQAM | 1 | 99 | 21.18 | 21.30 | 21.12 | | | |
| 20 | HQAM | 50 | 0 | 20.41 | 20.50 | 20.43 | | | |
| 20 | HQAM | 50 | 24 | 20.35 | 20.38 | 20.28 | | | |
| 20 | HQAM | 50 | 50 | 20.32 | 20.40 | 20.33 | 21.5 | 3 | |
| 20 | HQAM | 100 | 0 | 20.48 | 20.38 | 20.28 | | | |
| 20 | ZSSBAM | 1 | 0 | 18.24 | 18.26 | 18.35 | | | |
| 20 | ZSSBAM | 1 | 49 | 18.27 | 18.30 | 18.27 | | | |
| 20 | ZSSBAM | 1 | 99 | 18.24 | 18.30 | 18.25 | 19.5 | 5 | |
| 20 | ZSSBAM | 50 | 0 | 18.28 | 18.26 | 18.28 | | | |
| 20 | ZSSBAM | 50 | 24 | 18.09 | 18.22 | 18.16 | | | |
| 20 | ZSSBAM | 50 | 50 | 18.06 | 18.19 | 18.10 | 19.5 | 5 | |
| 20 | ZSSBAM | 100 | 0 | 18.09 | 18.20 | 18.14 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 24.74 | 24.74 | 24.63 | 24.5 | 0 | |
| 15 | QPSK | 1 | 47 | 23.28 | 23.32 | 23.32 | | | |
| 15 | QPSK | 1 | 74 | 23.22 | 23.30 | 23.24 | | | |
| 15 | QPSK | 36 | 0 | 22.41 | 22.30 | 22.30 | | | |
| 15 | QPSK | 36 | 20 | 22.28 | 22.30 | 22.35 | 23.5 | 1 | |
| 15 | QPSK | 75 | 0 | 22.24 | 22.32 | 22.18 | | | |
| 15 | HQAM | 1 | 0 | 22.25 | 22.29 | 22.25 | | | |
| 15 | HQAM | 1 | 47 | 22.13 | 22.20 | 22.18 | 23.5 | 1 | |
| 15 | HQAM | 1 | 74 | 22.07 | 22.15 | 22.03 | | | |
| 15 | HQAM | 36 | 0 | 21.31 | 21.37 | 21.37 | | | |
| 15 | HQAM | 36 | 20 | 21.29 | 21.30 | 21.29 | 22.5 | 2 | |
| 15 | HQAM | 36 | 59 | 21.31 | 21.34 | 21.31 | | | |
| 15 | HQAM | 75 | 0 | 21.14 | 21.21 | 21.15 | | | |
| 15 | HQAM | 1 | 0 | 21.24 | 21.29 | 21.22 | 22.5 | 2 | |
| 15 | HQAM | 1 | 47 | 21.18 | 21.32 | 21.15 | | | |
| 15 | HQAM | 1 | 74 | 21.11 | 21.22 | 21.09 | | | |
| 15 | HQAM | 36 | 0 | 20.33 | 20.40 | 20.38 | | | |
| 15 | HQAM | 36 | 20 | 20.25 | 20.29 | 20.22 | 21.5 | 3 | |
| 15 | HQAM | 36 | 59 | 20.28 | 20.30 | 20.28 | | | |
| 15 | HQAM | 75 | 0 | 20.15 | 20.22 | 20.22 | | | |
| 15 | ZSSBAM | 1 | 0 | 18.17 | 18.28 | 18.23 | 19.5 | 5 | |
| 15 | ZSSBAM | 1 | 47 | 18.17 | 18.18 | 18.16 | | | |
| 15 | ZSSBAM | 1 | 74 | 18.13 | 18.10 | 18.17 | | | |
| 15 | ZSSBAM | 36 | 0 | 18.20 | 18.27 | 18.18 | | | |
| 15 | ZSSBAM | 36 | 20 | 17.98 | 18.00 | 18.02 | 19.5 | 5 | |
| 15 | ZSSBAM | 36 | 59 | 17.98 | 18.10 | 18.07 | | | |
| 15 | ZSSBAM | 75 | 0 | 18.11 | 18.10 | 18.00 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 34.65 | 34.65 | 34.61 | 24.5 | 0 | |
| 10 | QPSK | 1 | 25 | 23.18 | 23.20 | 23.20 | | | |
| 10 | QPSK | 1 | 49 | 23.11 | 23.20 | 23.13 | | | |
| 10 | QPSK | 12 | 0 | 22.29 | 22.40 | 22.36 | | | |
| 10 | QPSK | 25 | 12 | 22.28 | 22.42 | 22.35 | 23.5 | 1 | |
| 10 | QPSK | 25 | 25 | 22.18 | 22.29 | 22.13 | | | |
| 10 | QPSK | 50 | 0 | 22.13 | 22.20 | 22.18 | | | |
| 10 | HQAM | 1 | 0 | 22.17 | 22.33 | 22.28 | 23.5 | 1 | |
| 10 | HQAM | 1 | 25 | 22.11 | 22.18 | 22.12 | | | |
| 10 | HQAM | 1 | 49 | 22.00 | 22.11 | 21.98 | | | |
| 10 | HQAM | 25 | 0 | 21.31 | 21.40 | 21.38 | | | |
| 10 | HQAM | 25 | 12 | 21.27 | 21.40 | 21.21 | 22.5 | 2 | |
| 10 | HQAM | 25 | 25 | 21.21 | 21.44 | 21.20 | | | |
| 10 | HQAM | 50 | 0 | 21.24 | 21.31 | 21.28 | | | |
| 10 | HQAM | 1 | 49 | 21.09 | 21.17 | 21.08 | 22.5 | 2 | |
| 10 | HQAM | 25 | 0 | 20.33 | 20.37 | 20.40 | | | |
| 10 | HQAM | 25 | 12 | 20.32 | 20.33 | 20.12 | | | |
| 10 | HQAM | 25 | 25 | 20.22 | 20.31 | 20.28 | 21.5 | 3 | |
| 10 | HQAM | 50 | 0 | 20.15 | 20.25 | 20.18 | | | |
| 10 | ZSSBAM | 1 | 0 | 18.16 | 18.20 | 18.20 | 19.5 | 5 | |
| 10 | ZSSBAM | 1 | 25 | 18.21 | 18.16 | 18.09 | | | |
| 10 | ZSSBAM | 1 | 49 | 18.20 | 18.20 | 18.13 | | | |
| 10 | ZSSBAM | 25 | 0 | 18.18 | 18.19 | 18.18 | | | |
| 10 | ZSSBAM | 25 | 12 | 18.04 | 18.10 | 18.07 | 19.5 | 5 | |
| 10 | ZSSBAM | 25 | 25 | 18.01 | 18.15 | 18.00 | | | |
| 10 | ZSSBAM | 50 | 0 | 17.97 | 18.16 | 18.09 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.45 | 23.45 | 23.35 | 24.5 | 0 | |
| 5 | QPSK | 1 | 24 | 23.29 | 23.31 | 23.31 | | | |
| 5 | QPSK | 1 | 49 | 22.83 | 22.84 | 22.86 | | | |
| 5 | QPSK | 12 | 7 | 22.29 | 22.45 | 22.38 | | | |
| 5 | QPSK | 12 | 13 | 22.28 | 22.29 | 22.19 | 23.5 | 1 | |
| 5 | QPSK | 25 | 0 | 22.25 | 22.25 | 22.17 | | | |
| 5 | HQAM | 1 | 0 | 22.23 | 22.30 | 22.23 | | | |
| 5 | HQAM | 1 | 12 | 22.16 | 22.26 | 22.14 | 23.5 | 1 | |
| 5 | HQAM | 1 | 24 | 22.01 | 22.10 | 22.06 | | | |
| 5 | HQAM | 12 | 0 | 21.36 | 21.40 | 21.41 | | | |
| 5 | HQAM | 12 | 7 | 21.24 | 21.33 | 21.22 | 22.5 | 2 | |
| 5 | HQAM | 12 | 31 | 21.28 | 21.30 | 21.26 | | | |
| 5 | HQAM | 25 | 0 | 21.09 | 21.30 | 21.17 | | | |
| 5 | HQAM | 1 | 0 | 21.28 | 21.28 | 21.28 | 22.5 | 2 | |
| 5 | HQAM | 1 | 12 | 21.16 | 21.24 | 21.11 | | | |
| 5 | HQAM | 1 | 24 | 21.02 | 21.21 | 21.00 | | | |
| 5 | HQAM | 12 | 0 | 20.34 | 20.37 | 20.29 | | | |
| 5 | HQAM | 12 | 7 | 20.20 | 20.24 | 20.21 | 21.5 | 3 | |
| 5 | HQAM | 12 | 13 | 20.28 | 20.40 | 20.20 | | | |
| 5 | HQAM | 25 | 0 | 20.13 | 20.20 | 20.17 | | | |
| 5 | ZSSBAM | 1 | 0 | 18.10 | 18.32 | 18.23 | 19.5 | 5 | |
| 5 | ZSSBAM | 1 | 12 | 18.16 | 18.18 | 18.09 | | | |
| 5 | ZSSBAM | 1 | 24 | 18.18 | 18.21 | 18.11 | | | |
| 5 | ZSSBAM | 12 | 0 | 18.17 | 18.27 | 18.16 | | | |
| 5 | ZSSBAM | 12 | 7 | 18.01 | 18.16 | 18.10 | 19.5 | 5 | |
| 5 | ZSSBAM | 12 | 13 | 17.89 | 18.11 | 17.99 | | | |
| 5 | ZSSBAM | 25 | 0 | 18.15 | 18.20 | 18.06 | | | |

| Band 48 Main PA Ant7 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MFR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.60 | 23.57 | 23.51 | 24.5 | 0 | |
| 20 | QPSK | 1 | 49 | 23.45 | 23.54 | 23.42 | | | |
| 20 | QPSK | 1 | 99 | 23.43 | 23.50 | 23.38 | | | |
| 20 | QPSK | 50 | 0 | 22.55 | 22.62 | 22.54 | | | |
| 20 | QPSK | 50 | 24 | 22.51 | 22.54 | 22.45 | 23.5 | 1 | |
| 20 | QPSK | 100 | 0 | 22.43 | 22.48 | 22.34 | | | |
| 20 | QPSK | 100 | 49 | 22.33 | 22.53 | 22.48 | | | |
| 20 | HQAM | 1 | 0 | 22.45 | 22.45 | 22.36 | 23.5 | 1 | |
| 20 | HQAM | 1 | 49 | 22.31 | 22.48 | 22.41 | | | |
| 20 | HQAM | 1 | 99 | 22.28 | 22.38 | 22.31 | | | |
| 20 | HQAM | 50 | 0 | 21.34 | 21.58 | 21.45 | | | |
| 20 | HQAM | 50 | 24 | 21.44 | 21.61 | 21.50 | 22.5 | 2 | |
| 20 | HQAM | 50 | 50 | 21.49 | 21.64 | 21.50 | | | |
| 20 | HQAM | 100 | 0 | 21.52 | 21.56 | 21.41 | | | |
| 20 | HQAM | 100 | 49 | 21.50 | 21.57 | 21.45 | | | |
| 20 | HQAM | 1 | 49 | 21.35 | 21.43 | 21.39 | 22.5 | 2 | |
| 20 | HQAM | 1 | 99 | 21.33 | 21.45 | 21.30 | | | |
| 20 | HQAM | 50 | 0 | 20.48 | 20.64 | 20.51 | | | |
| 20 | HQAM | 50 | 24 | 20.51 | 20.49 | 20.38 | 21.5 | 3 | |
| 20 | HQAM | 50 | 50 | 20.49 | 20.57 | 20.48 | | | |
| 20 | HQAM | 100 | 0 | 20.41 | 20.42 | 20.31 | | | |
| 20 | ZSSBAM | 1 | 0 | 18.32 | 18.47 | 18.38 | 19.5 | 5 | |
| 20 | ZSSBAM | 1 | 49 | 18.38 | 18.38 | 18.29 | | | |
| 20 | ZSSBAM | 1 | 99 | 18.33 | 18.36 | 18.24 | | | |
| 20 | ZSSBAM | 50 | 0 | 18.40 | 18.45 | 18.37 | | | |
| 20 | ZSSBAM | 50 | 24 | 18.15 | 18.29 | 18.26 | 19.5 | 5 | |
| 20 | ZSSBAM | 50 | 50 | 18.19 | 18.31 | 18.27 | | | |
| 20 | ZSSBAM | 100 | 0 | 18.25 | 18.39 | 18.29 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.13 | 23.17 | 23.43 | 24.5 | 0 | |
| 15 | QPSK | 1 | 37 | 23.39 | 23.49 | 23.38 | | | |
| 15 | QPSK | 1 | 74 | 23.32 | 23.42 | 23.29 | | | |
| 15 | QPSK | 36 | 0 | 22.45 | 22.48 | 22.42 | | | |
| 15 | QPSK | 36 | 20 | 22.37 | 22.42 | 22.42 | 23.5 | 1 | |
| 15 | QPSK | 75 | 0 | 22.27 | 22.42 | 22.42 | | | |
| 15 | HQAM | 1 | 0 | 22.38 | 22.30 | 22.27 | | | |
| 15 | HQAM | 1 | 37 | 22.24 | 22.43 | 22.37 | 23.5 | 1 | |
| 15 | HQAM | 1 | 74 | 22.19 | 22.32 | 22.27 | | | |
| 15 | HQAM | 36 | 0 | 21.50 | 21.51 | 21.36 | 22.5 | 2 | |
| 15 | HQAM | 36 | 20 | 21.52 | 21.53 | 21.37 | | | |
| 15 | HQAM | 36 | 59 | 21.41 | 21.56 | 21.47 | 21.5 | 3 | |
| 15 | HQAM | 75 | 0 | 21.13 | 21.39 | 21.29 | | | |
| 15 | HQAM | 1 | 0 | 21.38 | 21.44 | 21.38 | 22.5 | 2 | |
| 15 | HQAM | 1 | 37 | 21.29 | 21.39 | 21.30 | | | |
| 15 | HQAM | 1 | 74 | 21.26 | 21.31 | 21.17 | | | |
| 15 | HQAM | 36 | 0 | 20.38 | 20.50 | 20.48 | | | |
| 15 | HQAM | 36 | 20 | 20.45</ | | | | | |



DSI 0 Power for WWAN EN-DC Main PA

Table for Band 5 Main PA Ant1 DSI0 ENDC. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), and MPR (dB). Rows list various configurations for DQPSK, QPSK, and 16QAM across different RB sizes and offsets.

Table for Band 12 Other PA Ant1 DSI0 ENDC. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), and MPR (dB). Rows list configurations for QPSK, 16QAM, and 256QAM.

Table for Band 26 Main PA Ant1 DSI0 ENDC. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), and MPR (dB). Rows list configurations for QPSK, 16QAM, and 256QAM.

Table for Band 66 Main PA Ant1 DSI0 ENDC. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), and MPR (dB). Rows list configurations for QPSK, 16QAM, and 256QAM.

Table for Band 5 Main PA Ant1 DSI0 ENDC (continued). Columns include Channel, Frequency (MHz), BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), and MPR (dB). Rows list channel-specific configurations.

Table for Band 12 Other PA Ant1 DSI0 ENDC (continued). Columns include Channel, Frequency (MHz), BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), and MPR (dB). Rows list channel-specific configurations.

Table for Band 26 Main PA Ant1 DSI0 ENDC (continued). Columns include Channel, Frequency (MHz), BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), and MPR (dB). Rows list channel-specific configurations.

Table for Band 66 Main PA Ant1 DSI0 ENDC (continued). Columns include Channel, Frequency (MHz), BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), and MPR (dB). Rows list channel-specific configurations.



| Band 38 Main PA Ant1 DSI0 ENDC | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|---------------------|----------|----|---|
| BW (MHz) | Modulation | RI Size | RI Offset | Power Low Ch. (Freq) | Power Mid Ch. (Freq) | Power High Ch. (Freq) | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | 37850 | 38000 | 38150 | | | | |
| Frequency (MHz) | | | | 2590 | 2595 | 2610 | | | | |
| 20 | QPSK | 1 | 0 | 16.41 | 16.35 | 16.29 | | | | |
| 20 | QPSK | 1 | 49 | 16.45 | 16.48 | 16.29 | | | 18 | 0 |
| 20 | QPSK | 1 | 99 | 16.38 | 16.49 | 16.42 | | | | |
| 20 | QPSK | 1 | 0 | 16.36 | 16.54 | 16.51 | | | | |
| 20 | QPSK | 50 | 24 | 16.26 | 16.43 | 16.38 | | | 18 | 0 |
| 20 | QPSK | 50 | 50 | 16.25 | 16.43 | 16.41 | | | | |
| 20 | QPSK | 100 | 0 | 16.37 | 16.03 | 16.38 | | | | |
| 20 | HQAM | 1 | 0 | 16.48 | 16.43 | 16.19 | | | | |
| 20 | HQAM | 1 | 49 | 16.39 | 16.43 | 16.21 | | | 18 | 0 |
| 20 | HQAM | 1 | 99 | 16.49 | 16.46 | 16.51 | | | | |
| 20 | HQAM | 50 | 0 | 16.21 | 16.51 | 16.37 | | | | |
| 20 | HQAM | 50 | 24 | 16.31 | 16.33 | 16.35 | | | 18 | 0 |
| 20 | HQAM | 50 | 50 | 16.19 | 16.25 | 16.12 | | | | |
| 20 | HQAM | 100 | 0 | 16.35 | 16.39 | 16.36 | | | | |
| 20 | 8QAM | 1 | 0 | 16.22 | 16.37 | 16.45 | | | | |
| 20 | 8QAM | 1 | 49 | 16.22 | 16.20 | 16.40 | | | 18 | 0 |
| 20 | 8QAM | 1 | 99 | 16.36 | 16.35 | 16.17 | | | | |
| 20 | 8QAM | 50 | 0 | 16.33 | 16.38 | 16.38 | | | | |
| 20 | 8QAM | 50 | 24 | 16.31 | 16.30 | 16.30 | | | 18 | 0 |
| 20 | 8QAM | 50 | 50 | 16.39 | 16.33 | 16.20 | | | | |
| 20 | 8QAM | 100 | 0 | 16.32 | 16.44 | 16.30 | | | | |
| 20 | 256QAM | 1 | 0 | 16.40 | 16.54 | 16.46 | | | | |
| 20 | 256QAM | 1 | 49 | 16.41 | 16.52 | 16.41 | | | 18 | 0 |
| 20 | 256QAM | 1 | 99 | 16.37 | 16.51 | 16.46 | | | | |
| 20 | 256QAM | 50 | 0 | 16.40 | 16.45 | 16.31 | | | | |
| 20 | 256QAM | 50 | 24 | 16.33 | 16.36 | 16.22 | | | 18 | 0 |
| 20 | 256QAM | 50 | 50 | 16.40 | 16.45 | 16.38 | | | | |
| 20 | 256QAM | 100 | 0 | 16.21 | 16.28 | 16.23 | | | | |
| Channel | | | | 2617.5 | 2665 | 2612.5 | Tune-up limit (dBm) | MPR (dB) | | |
| Frequency (MHz) | | | | 2617.5 | 2665 | 2612.5 | | | | |
| 15 | QPSK | 1 | 0 | 16.33 | 16.46 | 16.35 | | | | |
| 15 | QPSK | 1 | 39 | 16.35 | 16.35 | 16.17 | | | 18 | 0 |
| 15 | QPSK | 1 | 74 | 16.38 | 16.30 | 16.27 | | | | |
| 15 | QPSK | 36 | 0 | 16.32 | 16.35 | 16.28 | | | | |
| 15 | QPSK | 36 | 29 | 16.33 | 16.35 | 16.28 | | | 18 | 0 |
| 15 | QPSK | 36 | 59 | 16.19 | 16.22 | 16.27 | | | | |
| 15 | QPSK | 75 | 0 | 16.22 | 16.27 | 16.32 | | | | |
| 15 | HQAM | 1 | 0 | 16.37 | 16.33 | 16.17 | | | | |
| 15 | HQAM | 1 | 37 | 16.22 | 16.23 | 16.12 | | | 18 | 0 |
| 15 | HQAM | 1 | 74 | 16.35 | 16.28 | 16.43 | | | | |
| 15 | HQAM | 36 | 0 | 16.13 | 16.52 | 16.28 | | | | |
| 15 | HQAM | 36 | 20 | 16.17 | 16.16 | 16.22 | | | 18 | 0 |
| 15 | HQAM | 36 | 39 | 16.09 | 16.15 | 16.07 | | | | |
| 15 | HQAM | 75 | 0 | 16.34 | 16.21 | 16.16 | | | | |
| 15 | 8QAM | 1 | 0 | 16.12 | 16.25 | 16.36 | | | | |
| 15 | 8QAM | 1 | 37 | 16.23 | 16.19 | 16.39 | | | 18 | 0 |
| 15 | 8QAM | 1 | 74 | 16.08 | 16.01 | 16.07 | | | | |
| 15 | 8QAM | 36 | 0 | 16.30 | 16.29 | 16.18 | | | | |
| 15 | 8QAM | 36 | 20 | 16.15 | 16.23 | 16.41 | | | 18 | 0 |
| 15 | 8QAM | 36 | 39 | 16.10 | 16.23 | 16.05 | | | | |
| 15 | 8QAM | 75 | 0 | 16.21 | 16.32 | 16.25 | | | | |
| 15 | 256QAM | 1 | 0 | 16.33 | 16.40 | 16.29 | | | | |
| 15 | 256QAM | 1 | 37 | 16.38 | 16.46 | 16.25 | | | 18 | 0 |
| 15 | 256QAM | 1 | 74 | 16.21 | 16.49 | 16.38 | | | | |
| 15 | 256QAM | 36 | 0 | 16.18 | 16.43 | 16.23 | | | | |
| 15 | 256QAM | 36 | 20 | 16.23 | 16.21 | 16.08 | | | 18 | 0 |
| 15 | 256QAM | 36 | 39 | 16.33 | 16.43 | 16.31 | | | | |
| 15 | 256QAM | 75 | 0 | 16.00 | 16.22 | 16.22 | | | | |
| Channel | | | | 37800 | 38000 | 38200 | Tune-up limit (dBm) | MPR (dB) | | |
| Frequency (MHz) | | | | 37800 | 38000 | 38200 | | | | |
| 10 | QPSK | 1 | 0 | 16.40 | 16.49 | 16.36 | | | | |
| 10 | QPSK | 1 | 25 | 16.29 | 16.27 | 16.27 | | | 18 | 0 |
| 10 | QPSK | 1 | 49 | 16.24 | 16.37 | 16.24 | | | | |
| 10 | QPSK | 25 | 0 | 16.14 | 16.41 | 16.20 | | | | |
| 10 | QPSK | 25 | 12 | 16.27 | 16.23 | 16.07 | | | 18 | 0 |
| 10 | QPSK | 25 | 12 | 16.27 | 16.23 | 16.07 | | | | |
| 10 | QPSK | 60 | 0 | 16.33 | 16.33 | 16.36 | | | | |
| 10 | QPSK | 60 | 0 | 16.33 | 16.33 | 16.35 | | | 18 | 0 |
| 10 | HQAM | 1 | 0 | 16.31 | 16.35 | 16.17 | | | | |
| 10 | HQAM | 1 | 25 | 16.19 | 16.26 | 16.26 | | | 18 | 0 |
| 10 | HQAM | 1 | 49 | 16.35 | 16.42 | 16.32 | | | | |
| 10 | HQAM | 25 | 0 | 16.21 | 16.37 | 16.17 | | | | |
| 10 | HQAM | 25 | 12 | 16.14 | 16.24 | 16.03 | | | 18 | 0 |
| 10 | HQAM | 50 | 0 | 16.35 | 16.23 | 16.31 | | | | |
| 10 | 8QAM | 1 | 0 | 16.04 | 16.24 | 16.30 | | | | |
| 10 | 8QAM | 1 | 25 | 16.20 | 16.08 | 16.25 | | | 18 | 0 |
| 10 | 8QAM | 1 | 49 | 16.05 | 16.01 | 16.05 | | | | |
| 10 | 8QAM | 25 | 0 | 16.20 | 16.24 | 16.36 | | | | |
| 10 | 8QAM | 25 | 12 | 16.13 | 16.20 | 16.28 | | | 18 | 0 |
| 10 | 8QAM | 25 | 25 | 16.21 | 16.31 | 16.21 | | | | |
| 10 | 8QAM | 50 | 0 | 16.10 | 16.35 | 16.29 | | | | |
| 10 | 256QAM | 1 | 0 | 16.34 | 16.38 | 16.31 | | | | |
| 10 | 256QAM | 1 | 25 | 16.27 | 16.42 | 16.36 | | | 18 | 0 |
| 10 | 256QAM | 1 | 49 | 16.34 | 16.36 | 16.32 | | | | |
| 10 | 256QAM | 25 | 0 | 16.23 | 16.36 | 16.14 | | | | |
| 10 | 256QAM | 25 | 12 | 16.24 | 16.17 | 16.08 | | | 18 | 0 |
| 10 | 256QAM | 25 | 25 | 16.20 | 16.35 | 16.39 | | | | |
| 10 | 256QAM | 50 | 0 | 16.08 | 16.22 | 16.04 | | | | |
| Channel | | | | 3777.5 | 38000 | 38225 | Tune-up limit (dBm) | MPR (dB) | | |
| Frequency (MHz) | | | | 2272.5 | 2295 | 2317.5 | | | | |
| 5 | QPSK | 1 | 0 | 16.45 | 16.41 | 16.20 | | | | |
| 5 | QPSK | 1 | 12 | 16.35 | 16.36 | 16.29 | | | 18 | 0 |
| 5 | QPSK | 1 | 24 | 16.39 | 16.34 | 16.21 | | | | |
| 5 | QPSK | 12 | 0 | 16.17 | 16.35 | 16.31 | | | | |
| 5 | QPSK | 12 | 7 | 16.05 | 16.39 | 16.06 | | | 18 | 0 |
| 5 | QPSK | 12 | 13 | 16.04 | 16.35 | 16.31 | | | | |
| 5 | QPSK | 25 | 0 | 16.23 | 16.19 | 16.23 | | | | |
| 5 | HQAM | 1 | 0 | 16.35 | 16.35 | 16.15 | | | | |
| 5 | HQAM | 1 | 12 | 16.19 | 16.28 | 16.04 | | | 18 | 0 |
| 5 | HQAM | 1 | 24 | 16.51 | 16.37 | 16.48 | | | | |
| 5 | HQAM | 12 | 0 | 16.11 | 16.47 | 16.26 | | | | |
| 5 | HQAM | 12 | 7 | 16.28 | 16.12 | 16.18 | | | 18 | 0 |
| 5 | HQAM | 12 | 13 | 16.05 | 16.20 | 16.08 | | | | |
| 5 | HQAM | 25 | 0 | 16.28 | 16.40 | 16.21 | | | | |
| 5 | 8QAM | 1 | 0 | 16.00 | 16.27 | 16.26 | | | | |
| 5 | 8QAM | 1 | 12 | 16.22 | 16.11 | 16.20 | | | 18 | 0 |
| 5 | 8QAM | 1 | 24 | 16.04 | 16.07 | 16.02 | | | | |
| 5 | 8QAM | 12 | 0 | 16.21 | 16.26 | 16.27 | | | | |
| 5 | 8QAM | 12 | 7 | 16.18 | 16.19 | 16.40 | | | 18 | 0 |
| 5 | 8QAM | 12 | 13 | 16.24 | 16.26 | 16.07 | | | | |
| 5 | 8QAM | 25 | 0 | 16.30 | 16.25 | 16.16 | | | | |
| 5 | 256QAM | 1 | 0 | 16.21 | 16.41 | 16.32 | | | | |
| 5 | 256QAM | 1 | 12 | 16.30 | 16.55 | 16.20 | | | 18 | 0 |
| 5 | 256QAM | 1 | 24 | 16.33 | 16.32 | 16.37 | | | | |
| 5 | 256QAM | 12 | 0 | 16.40 | 16.33 | 16.22 | | | | |
| 5 | 256QAM | 12 | 7 | 16.20 | 16.20 | 16.20 | | | 18 | 0 |
| 5 | 256QAM | 12 | 13 | 16.33 | 16.34 | 16.21 | | | | |
| 5 | 256QAM | 25 | 0 | 16.21 | 16.21 | 16.03 | | | | |

| Band 41 Main PA Ant1 DSI0 ENDC | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|----------------------|-----------------------------|-------------------------|------------------------------|-----------------------|---------------------|----------|
| BW (MHz) | Modulation | RI Size | RI Offset | Power Low Ch. (Freq) | Power Low Middle Ch. (Freq) | Power Middle Ch. (Freq) | Power High Middle Ch. (Freq) | Power High Ch. (Freq) | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 39750 | 40165 | 40600 | 41055 | 41400 | | |
| Frequency (MHz) | | | | 2505 | 2549.5 | 2593 | 2637.5 | 2680 | | |
| 20 | QPSK | 1 | 0 | 16.53 | 16.57 | 16.50 | 16.50 | 16.52 | | |
| 20 | QPSK | 1 | 49 | 16.49 | 16.61 | 16.65 | 16.64 | 16.34 | 17.5 | 0 |
| 20 | QPSK | 1 | 99 | 16.47 | 16.65 | 16.64 | 16.62 | 16.45 | | |
| 20 | QPSK | 1 | 0 | 16.33 | 16.58 | 16.63 | 16.58 | 16.63 | | |
| 20 | QPSK | 50 | 24 | 16.22 | 16.20 | 16.35 | 16.31 | 16.17 | 17.5 | 0 |
| 20 | QPSK | 50 | 50 | 16.18 | 16.35 | 16.39 | 16.19 | 16.18 | | |
| 20 | QPSK | 100 | 0 | 16.21 | 16.21 | 16.27 | 16.17 | 16.19 | | |
| 20 | HQAM | 1 | 0 | 16.39 | 16.33 | 16.35 | 16.37 | 16.29 | | |
| 20 | HQAM | 1 | 49 | 16.14 | 16.09 | 16.37 | 16.24 | 16.20 | 17.5 | 0 |
| 20 | HQAM | 1 | 99 | 16.30 | 16.40 | 16.54 | 16.42 | 16.37 | | |
| 20 | HQAM | 50 | 0 | 16.27 | 16.42 | 16.30 | 16.36 | 16.33 | | |
| 20 | HQAM | 50 | 24 | 16.11 | 16.29 | 16.26 | 16.14 | 16.27 | 17.5 | 0 |
| 20 | HQAM | 50 | 50 | 16.32 | 16.21 | 16.47 | 16.34 | 16.28 | | |
| 20 | HQAM | 100 | 0 | 16.28 | 16.33 | 16.36 | 16.10 | 16.34 | | |
| 20 | 8QAM | 1 | 0 | 16.29 | 16.57 | 16.55 | 16.52 | 16.39 | | |
| 20 | 8QAM | 1 | 49 | 16.51 | 16.44 | 16.09 | 16.87 | 16.85 | 17.5 | 0 |
| 20 | 8QAM | 1 | 99 | 16.84 | 16.72 | 16.05 | 16.88 | 16.88 | | |
| 20 | 8QAM | 50 | 0 | 16.30 | 16.04 | 16.23 | 16.18 | 16.32 | | |
| 20 | 8QAM | 50 | 24 | 16.03 | 16.16 | 16.13 | 16.00 | 16.04 | 17.5 | 0 |
| 20 | 8QAM | 50 | 50 | 16.18 | 16.05 | 16.27 | 16.24 | 16.30 | | |
| 20 | 8QAM | 100 | 0 | 16.30 | 16.67 | 16.04 | 16.31 | 16.35 | | |
| 20 | 256QAM | 1 | 0 | 16.48 | 16.48 | 16.65 | 16.48 | 16.54 | | |
| 20 | 256QAM | 1 | 49 | 16.46 | 16.64 | 16.66 | 16.56 | 16.52 | 17.5 | 0 |
| 20 | 256QAM | 1 | 99 | 16.41 | 16.47 | 16.52 | 16.48 | 16.41 | | |



| Band 66 Main PA Ant3 DS10 ENDC | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|-----------------------|------------------------|------------------------|--------------|----------|--|--|
| RF [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power High Ch. / Freq. | Power High Ch. / Freq. | Turn-up (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 17.36 | 17.40 | 17.34 | 19 | 0 | | |
| 20 | QPSK | 1 | 49 | 17.27 | 17.36 | 17.32 | | | | |
| 20 | QPSK | 1 | 99 | 17.32 | 17.34 | 17.34 | | | | |
| 20 | QPSK | 50 | 0 | 17.10 | 17.20 | 17.17 | 19 | 0 | | |
| 20 | QPSK | 50 | 24 | 17.14 | 17.21 | 17.61 | | | | |
| 20 | QPSK | 50 | 50 | 17.15 | 17.00 | 17.62 | | | | |
| 20 | QPSK | 100 | 0 | 17.07 | 17.27 | 17.19 | 19 | 0 | | |
| 20 | 16QAM | 1 | 0 | 17.14 | 17.24 | 17.20 | | | | |
| 20 | 16QAM | 1 | 49 | 17.17 | 17.21 | 17.66 | | | | |
| 20 | 16QAM | 1 | 99 | 17.06 | 17.06 | 17.17 | | | | |
| 20 | 16QAM | 50 | 0 | 17.10 | 17.20 | 17.12 | 19 | 0 | | |
| 20 | 16QAM | 50 | 24 | 17.06 | 17.15 | 17.61 | | | | |
| 20 | 16QAM | 50 | 50 | 17.12 | 17.19 | 17.14 | | | | |
| 20 | 16QAM | 100 | 0 | 17.08 | 17.13 | 17.63 | | | | |
| 20 | 84QAM | 1 | 0 | 17.04 | 17.09 | 17.63 | 19 | 0 | | |
| 20 | 84QAM | 1 | 49 | 17.06 | 17.13 | 17.67 | | | | |
| 20 | 84QAM | 1 | 99 | 17.05 | 17.09 | 17.64 | | | | |
| 20 | 84QAM | 50 | 0 | 17.21 | 17.32 | 17.28 | 19 | 0 | | |
| 20 | 84QAM | 50 | 24 | 17.16 | 17.25 | 17.33 | | | | |
| 20 | 84QAM | 50 | 50 | 17.23 | 17.28 | 17.23 | | | | |
| 20 | 84QAM | 100 | 0 | 17.12 | 17.20 | 17.17 | | | | |
| 20 | 256QAM | 1 | 0 | 16.80 | 16.83 | 16.31 | 18.5 | 0.5 | | |
| 20 | 256QAM | 1 | 49 | 16.88 | 16.80 | 16.68 | | | | |
| 20 | 256QAM | 1 | 99 | 16.70 | 16.75 | 16.61 | | | | |
| 20 | 256QAM | 50 | 0 | 16.86 | 16.76 | 16.84 | | | | |
| 20 | 256QAM | 50 | 24 | 16.56 | 16.66 | 16.60 | 18.5 | 0.5 | | |
| 20 | 256QAM | 50 | 50 | 16.62 | 16.72 | 16.60 | | | | |
| 20 | 256QAM | 100 | 0 | 16.55 | 16.69 | 16.58 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 17.32 | 17.26 | 17.32 | 19 | 0 | | |
| 15 | QPSK | 1 | 37 | 17.07 | 17.39 | 17.34 | | | | |
| 15 | QPSK | 1 | 74 | 17.19 | 17.34 | 17.33 | | | | |
| 15 | QPSK | 36 | 0 | 17.08 | 17.31 | 17.19 | 19 | 0 | | |
| 15 | QPSK | 36 | 20 | 17.14 | 17.32 | 17.25 | | | | |
| 15 | QPSK | 36 | 39 | 17.01 | 17.25 | 17.38 | | | | |
| 15 | QPSK | 75 | 0 | 17.23 | 17.32 | 17.31 | | | | |
| 15 | 16QAM | 1 | 0 | 17.35 | 17.28 | 17.29 | 19 | 0 | | |
| 15 | 16QAM | 1 | 37 | 17.03 | 17.28 | 17.37 | | | | |
| 15 | 16QAM | 1 | 74 | 17.06 | 17.25 | 17.19 | | | | |
| 15 | 16QAM | 36 | 0 | 17.10 | 17.30 | 17.15 | 19 | 0 | | |
| 15 | 16QAM | 36 | 20 | 17.01 | 17.22 | 17.67 | | | | |
| 15 | 16QAM | 36 | 39 | 17.17 | 17.16 | 17.11 | | | | |
| 15 | 16QAM | 75 | 0 | 17.11 | 17.10 | 17.12 | | | | |
| 15 | 84QAM | 1 | 0 | 17.12 | 17.13 | 17.60 | 19 | 0 | | |
| 15 | 84QAM | 1 | 37 | 17.07 | 17.09 | 17.67 | | | | |
| 15 | 84QAM | 1 | 74 | 17.05 | 17.04 | 17.16 | | | | |
| 15 | 84QAM | 36 | 0 | 17.18 | 17.26 | 17.35 | 19 | 0 | | |
| 15 | 84QAM | 36 | 20 | 17.18 | 17.26 | 17.20 | | | | |
| 15 | 84QAM | 36 | 39 | 17.25 | 17.35 | 17.25 | | | | |
| 15 | 84QAM | 75 | 0 | 17.18 | 17.16 | 17.28 | | | | |
| 15 | 256QAM | 1 | 0 | 16.74 | 16.80 | 16.31 | 18.5 | 0.5 | | |
| 15 | 256QAM | 1 | 37 | 16.68 | 16.88 | 16.60 | | | | |
| 15 | 256QAM | 1 | 74 | 16.77 | 16.85 | 16.61 | | | | |
| 15 | 256QAM | 36 | 0 | 16.78 | 16.87 | 16.33 | | | | |
| 15 | 256QAM | 36 | 20 | 16.55 | 16.73 | 16.70 | 18.5 | 0.5 | | |
| 15 | 256QAM | 36 | 39 | 16.59 | 16.83 | 16.68 | | | | |
| 15 | 256QAM | 75 | 0 | 16.81 | 16.81 | 16.63 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 17.25 | 17.33 | 17.34 | 19 | 0 | | |
| 10 | QPSK | 1 | 25 | 17.08 | 17.24 | 17.20 | | | | |
| 10 | QPSK | 1 | 49 | 17.12 | 17.24 | 17.36 | | | | |
| 10 | QPSK | 25 | 0 | 17.08 | 17.36 | 17.16 | 19 | 0 | | |
| 10 | QPSK | 25 | 12 | 17.06 | 17.18 | 17.32 | | | | |
| 10 | QPSK | 25 | 25 | 17.12 | 17.15 | 17.25 | | | | |
| 10 | QPSK | 50 | 0 | 17.06 | 17.26 | 17.24 | 19 | 0 | | |
| 10 | 16QAM | 1 | 0 | 17.36 | 17.16 | 17.36 | | | | |
| 10 | 16QAM | 1 | 25 | 17.06 | 17.23 | 17.27 | | | | |
| 10 | 16QAM | 1 | 49 | 17.25 | 17.20 | 17.22 | | | | |
| 10 | 16QAM | 25 | 0 | 17.09 | 17.23 | 17.18 | 19 | 0 | | |
| 10 | 16QAM | 25 | 12 | 17.00 | 17.12 | 17.60 | | | | |
| 10 | 16QAM | 25 | 25 | 17.13 | 17.29 | 17.20 | | | | |
| 10 | 16QAM | 50 | 0 | 17.04 | 17.16 | 17.69 | | | | |
| 10 | 84QAM | 1 | 0 | 17.15 | 17.00 | 17.67 | 19 | 0 | | |
| 10 | 84QAM | 1 | 25 | 17.02 | 17.07 | 17.14 | | | | |
| 10 | 84QAM | 1 | 49 | 17.07 | 17.07 | 17.62 | | | | |
| 10 | 84QAM | 25 | 0 | 17.16 | 17.38 | 17.29 | 19 | 0 | | |
| 10 | 84QAM | 25 | 12 | 17.33 | 17.14 | 17.53 | | | | |
| 10 | 84QAM | 25 | 25 | 17.30 | 17.33 | 17.14 | | | | |
| 10 | 84QAM | 50 | 0 | 17.24 | 17.28 | 17.24 | | | | |
| 10 | 256QAM | 1 | 0 | 16.58 | 16.74 | 16.63 | 18.5 | 0.5 | | |
| 10 | 256QAM | 1 | 25 | 16.57 | 16.75 | 16.59 | | | | |
| 10 | 256QAM | 1 | 49 | 16.75 | 16.79 | 16.67 | | | | |
| 10 | 256QAM | 25 | 0 | 16.65 | 16.65 | 16.67 | | | | |
| 10 | 256QAM | 25 | 12 | 16.65 | 16.70 | 16.57 | 18.5 | 0.5 | | |
| 10 | 256QAM | 25 | 25 | 16.81 | 16.69 | 16.56 | | | | |
| 10 | 256QAM | 50 | 0 | 16.66 | 16.64 | 16.57 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 17.34 | 17.32 | 17.35 | 19 | 0 | | |
| 5 | QPSK | 1 | 12 | 17.08 | 17.26 | 17.35 | | | | |
| 5 | QPSK | 1 | 24 | 17.30 | 17.27 | 17.24 | | | | |
| 5 | QPSK | 12 | 0 | 17.08 | 17.29 | 17.16 | 19 | 0 | | |
| 5 | QPSK | 12 | 7 | 17.19 | 17.16 | 17.36 | | | | |
| 5 | QPSK | 12 | 13 | 17.01 | 17.12 | 17.27 | | | | |
| 5 | QPSK | 25 | 0 | 17.20 | 17.31 | 17.29 | | | | |
| 5 | 16QAM | 1 | 0 | 17.17 | 17.14 | 17.31 | 19 | 0 | | |
| 5 | 16QAM | 1 | 12 | 17.03 | 17.32 | 17.27 | | | | |
| 5 | 16QAM | 1 | 24 | 17.24 | 17.31 | 17.25 | | | | |
| 5 | 16QAM | 12 | 0 | 17.11 | 17.32 | 17.69 | 19 | 0 | | |
| 5 | 16QAM | 12 | 7 | 17.16 | 17.07 | 17.16 | | | | |
| 5 | 16QAM | 12 | 13 | 17.07 | 17.16 | 17.26 | | | | |
| 5 | 16QAM | 25 | 0 | 17.07 | 17.20 | 17.67 | | | | |
| 5 | 84QAM | 1 | 0 | 17.14 | 17.15 | 17.69 | 19 | 0 | | |
| 5 | 84QAM | 1 | 12 | 17.13 | 17.04 | 17.13 | | | | |
| 5 | 84QAM | 1 | 24 | 17.04 | 17.13 | 17.68 | | | | |
| 5 | 84QAM | 12 | 0 | 17.13 | 17.26 | 17.34 | 19 | 0 | | |
| 5 | 84QAM | 12 | 7 | 17.10 | 17.31 | 17.10 | | | | |
| 5 | 84QAM | 12 | 13 | 17.21 | 17.28 | 17.20 | | | | |
| 5 | 84QAM | 25 | 0 | 17.28 | 17.39 | 17.18 | | | | |
| 5 | 256QAM | 1 | 0 | 16.80 | 16.92 | 16.73 | 18.5 | 0.5 | | |
| 5 | 256QAM | 1 | 12 | 16.57 | 16.90 | 16.79 | | | | |
| 5 | 256QAM | 1 | 24 | 16.78 | 16.85 | 16.51 | | | | |
| 5 | 256QAM | 12 | 0 | 16.86 | 16.74 | 16.63 | | | | |
| 5 | 256QAM | 12 | 7 | 16.55 | 16.66 | 16.68 | 18.5 | 0.5 | | |
| 5 | 256QAM | 12 | 13 | 16.74 | 16.71 | 16.55 | | | | |
| 5 | 256QAM | 25 | 0 | 16.57 | 16.68 | 16.59 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 17.22 | 17.30 | 17.50 | 19 | 0 | | |
| 3 | QPSK | 1 | 8 | 17.21 | 17.35 | 17.28 | | | | |
| 3 | QPSK | 1 | 14 | 17.15 | 17.38 | 17.26 | | | | |
| 3 | QPSK | 8 | 0 | 17.17 | 17.26 | 17.18 | 19 | 0 | | |
| 3 | QPSK | 8 | 4 | 17.12 | 17.09 | 17.31 | | | | |
| 3 | QPSK | 8 | 7 | 17.06 | 17.15 | 17.17 | | | | |
| 3 | QPSK | 15 | 0 | 17.05 | 17.24 | 17.26 | | | | |
| 3 | 16QAM | 1 | 0 | 17.25 | 17.33 | 17.17 | 19 | 0 | | |
| 3 | 16QAM | 1 | 8 | 17.06 | 17.25 | 17.29 | | | | |
| 3 | 16QAM | 1 | 14 | 17.22 | 17.23 | 17.22 | | | | |
| 3 | 16QAM | 8 | 0 | 17.21 | 17.23 | 17.16 | 19 | 0 | | |
| 3 | 16QAM | 8 | 4 | 17.11 | 17.12 | 17.63 | | | | |
| 3 | 16QAM | 8 | 7 | 17.17 | 17.16 | 17.13 | | | | |
| 3 | 84QAM | 15 | 0 | 17.13 | 17.06 | 17.69 | 19 | 0 | | |
| 3 | 84QAM | 1 | 0 | 17.10 | 17.07 | 17.60 | | | | |



| Band 38 Main PA Ant3 DSI0 ENDC | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RI Size | RI Offset | Power Low Ch. (Freq) | Power Mid Ch. (Freq) | Power High Ch. (Freq) | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 18.13 | 18.33 | 18.20 | | | | |
| 20 | QPSK | 1 | 49 | 17.92 | 18.18 | 18.05 | 19.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 17.98 | 17.96 | 18.01 | | | | |
| 20 | QPSK | 1 | 0 | 18.05 | 18.03 | 18.09 | | | | |
| 20 | QPSK | 50 | 24 | 17.93 | 18.18 | 18.12 | 19.5 | 0 | | |
| 20 | QPSK | 50 | 50 | 17.88 | 18.02 | 17.94 | | | | |
| 20 | QPSK | 100 | 0 | 18.05 | 18.03 | 17.78 | | | | |
| 20 | HQAM | 1 | 0 | 17.85 | 17.94 | 17.82 | | | | |
| 20 | HQAM | 1 | 49 | 17.74 | 18.01 | 17.79 | 19.5 | 0 | | |
| 20 | HQAM | 1 | 99 | 17.88 | 17.76 | 17.94 | | | | |
| 20 | HQAM | 50 | 0 | 18.23 | 18.25 | 18.25 | | | | |
| 20 | HQAM | 50 | 24 | 18.02 | 18.10 | 18.02 | 19.5 | 0 | | |
| 20 | HQAM | 50 | 50 | 18.01 | 18.32 | 18.11 | | | | |
| 20 | HQAM | 100 | 0 | 17.93 | 17.98 | 17.87 | | | | |
| 20 | 64QAM | 1 | 0 | 17.91 | 17.98 | 17.73 | | | | |
| 20 | 64QAM | 1 | 49 | 17.85 | 17.74 | 17.78 | 19.5 | 0 | | |
| 20 | 64QAM | 1 | 99 | 17.87 | 17.89 | 17.78 | | | | |
| 20 | 64QAM | 50 | 0 | 18.08 | 18.28 | 18.09 | | | | |
| 20 | 64QAM | 50 | 24 | 18.05 | 18.25 | 17.97 | 19.5 | 0 | | |
| 20 | 64QAM | 50 | 50 | 18.31 | 18.20 | 18.16 | | | | |
| 20 | 64QAM | 100 | 0 | 18.02 | 18.14 | 18.14 | | | | |
| 20 | 256QAM | 1 | 0 | 17.93 | 18.09 | 17.82 | | | | |
| 20 | 256QAM | 1 | 49 | 17.86 | 17.86 | 17.78 | 19.5 | 0 | | |
| 20 | 256QAM | 1 | 99 | 17.87 | 18.01 | 17.77 | | | | |
| 20 | 256QAM | 50 | 0 | 18.18 | 18.21 | 18.05 | | | | |
| 20 | 256QAM | 50 | 24 | 17.84 | 18.04 | 17.92 | 19.5 | 0 | | |
| 20 | 256QAM | 50 | 50 | 18.11 | 18.00 | 18.08 | | | | |
| 20 | 256QAM | 100 | 0 | 17.85 | 18.10 | 18.03 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 18.17 | 18.19 | 18.13 | | | | |
| 15 | QPSK | 1 | 39 | 17.95 | 18.16 | 17.83 | 19.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 17.83 | 18.08 | 18.09 | | | | |
| 15 | QPSK | 36 | 0 | 18.05 | 18.28 | 18.15 | | | | |
| 15 | QPSK | 36 | 20 | 18.08 | 18.11 | 18.03 | 19.5 | 0 | | |
| 15 | QPSK | 36 | 39 | 17.77 | 17.99 | 17.87 | | | | |
| 15 | QPSK | 75 | 0 | 17.98 | 18.11 | 17.98 | | | | |
| 15 | HQAM | 1 | 0 | 17.98 | 17.93 | 17.89 | | | | |
| 15 | HQAM | 1 | 37 | 17.70 | 17.89 | 17.89 | 19.5 | 0 | | |
| 15 | HQAM | 1 | 74 | 17.86 | 17.89 | 18.05 | | | | |
| 15 | HQAM | 36 | 0 | 18.20 | 18.19 | 18.20 | | | | |
| 15 | HQAM | 36 | 20 | 18.03 | 18.17 | 18.00 | 19.5 | 0 | | |
| 15 | HQAM | 36 | 39 | 18.00 | 18.18 | 18.00 | | | | |
| 15 | HQAM | 75 | 0 | 17.97 | 17.95 | 18.00 | | | | |
| 15 | 64QAM | 1 | 0 | 17.90 | 17.96 | 17.73 | | | | |
| 15 | 64QAM | 1 | 37 | 17.77 | 17.84 | 17.74 | 19.5 | 0 | | |
| 15 | 64QAM | 1 | 74 | 17.83 | 17.92 | 17.82 | | | | |
| 15 | 64QAM | 36 | 0 | 18.17 | 18.20 | 18.04 | | | | |
| 15 | 64QAM | 36 | 20 | 17.85 | 18.24 | 18.03 | 19.5 | 0 | | |
| 15 | 64QAM | 36 | 39 | 18.30 | 18.24 | 18.05 | | | | |
| 15 | 64QAM | 75 | 0 | 17.90 | 17.86 | 18.21 | | | | |
| 15 | 256QAM | 1 | 0 | 17.91 | 17.84 | 17.84 | 19.5 | 0 | | |
| 15 | 256QAM | 1 | 37 | 17.99 | 17.83 | 17.86 | | | | |
| 15 | 256QAM | 1 | 74 | 17.82 | 17.81 | 17.77 | | | | |
| 15 | 256QAM | 36 | 0 | 18.09 | 18.27 | 17.84 | | | | |
| 15 | 256QAM | 36 | 20 | 17.89 | 18.05 | 17.86 | 19.5 | 0 | | |
| 15 | 256QAM | 36 | 39 | 18.08 | 18.06 | 18.08 | | | | |
| 15 | 256QAM | 75 | 0 | 18.03 | 17.96 | 17.98 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 18.11 | 18.25 | 18.23 | | | | |
| 10 | QPSK | 1 | 25 | 18.04 | 18.25 | 18.01 | 19.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 17.83 | 18.11 | 18.08 | | | | |
| 10 | QPSK | 25 | 0 | 17.97 | 18.30 | 18.08 | | | | |
| 10 | QPSK | 25 | 12 | 18.06 | 18.24 | 18.02 | 19.5 | 0 | | |
| 10 | QPSK | 25 | 25 | 17.91 | 18.33 | 18.03 | | | | |
| 10 | QPSK | 60 | 0 | 17.90 | 18.12 | 17.91 | | | | |
| 10 | HQAM | 1 | 0 | 17.87 | 17.86 | 17.88 | | | | |
| 10 | HQAM | 1 | 25 | 18.07 | 17.79 | 17.99 | 19.5 | 0 | | |
| 10 | HQAM | 1 | 49 | 17.77 | 17.84 | 17.84 | | | | |
| 10 | HQAM | 25 | 0 | 18.06 | 18.16 | 18.27 | | | | |
| 10 | HQAM | 25 | 12 | 17.94 | 18.05 | 18.12 | 19.5 | 0 | | |
| 10 | HQAM | 25 | 25 | 18.04 | 18.31 | 18.12 | | | | |
| 10 | HQAM | 50 | 0 | 18.03 | 18.03 | 18.10 | | | | |
| 10 | 64QAM | 1 | 0 | 17.76 | 17.86 | 17.75 | 19.5 | 0 | | |
| 10 | 64QAM | 1 | 25 | 17.87 | 17.74 | 17.87 | | | | |
| 10 | 64QAM | 1 | 49 | 17.53 | 17.82 | 17.63 | | | | |
| 10 | 64QAM | 25 | 0 | 17.86 | 18.24 | 18.03 | 19.5 | 0 | | |
| 10 | 64QAM | 25 | 12 | 18.08 | 18.09 | 17.92 | | | | |
| 10 | 64QAM | 25 | 25 | 18.08 | 18.23 | 17.88 | | | | |
| 10 | 64QAM | 50 | 0 | 18.07 | 17.99 | 18.00 | | | | |
| 10 | 256QAM | 1 | 0 | 17.75 | 17.86 | 18.05 | 19.5 | 0 | | |
| 10 | 256QAM | 1 | 25 | 17.84 | 17.85 | 17.78 | | | | |
| 10 | 256QAM | 1 | 49 | 17.82 | 17.83 | 17.88 | | | | |
| 10 | 256QAM | 25 | 0 | 17.96 | 18.25 | 18.08 | | | | |
| 10 | 256QAM | 25 | 12 | 17.88 | 18.17 | 18.07 | 19.5 | 0 | | |
| 10 | 256QAM | 25 | 25 | 17.86 | 18.13 | 18.05 | | | | |
| 10 | 256QAM | 50 | 0 | 17.95 | 18.10 | 17.87 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 18.05 | 18.33 | 18.22 | | | | |
| 5 | QPSK | 1 | 12 | 17.91 | 18.15 | 17.83 | 19.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 17.88 | 18.10 | 18.18 | | | | |
| 5 | QPSK | 12 | 0 | 18.05 | 18.11 | 18.14 | | | | |
| 5 | QPSK | 12 | 7 | 17.97 | 18.21 | 18.22 | 19.5 | 0 | | |
| 5 | QPSK | 12 | 13 | 17.80 | 17.88 | 17.83 | | | | |
| 5 | QPSK | 25 | 0 | 17.93 | 18.07 | 17.81 | | | | |
| 5 | HQAM | 1 | 0 | 18.02 | 17.86 | 17.87 | | | | |
| 5 | HQAM | 1 | 12 | 17.71 | 17.97 | 17.85 | 19.5 | 0 | | |
| 5 | HQAM | 1 | 24 | 17.74 | 17.71 | 18.05 | | | | |
| 5 | HQAM | 12 | 0 | 18.11 | 18.14 | 18.24 | | | | |
| 5 | HQAM | 12 | 7 | 17.88 | 18.14 | 18.03 | 19.5 | 0 | | |
| 5 | HQAM | 12 | 13 | 18.01 | 18.17 | 18.23 | | | | |
| 5 | HQAM | 25 | 0 | 18.10 | 18.07 | 17.97 | | | | |
| 5 | 64QAM | 1 | 0 | 17.91 | 17.90 | 17.75 | 19.5 | 0 | | |
| 5 | 64QAM | 1 | 12 | 17.75 | 17.86 | 17.79 | | | | |
| 5 | 64QAM | 1 | 24 | 17.87 | 17.89 | 17.80 | | | | |
| 5 | 64QAM | 12 | 0 | 18.08 | 18.17 | 18.09 | | | | |
| 5 | 64QAM | 12 | 7 | 17.93 | 18.23 | 17.99 | 19.5 | 0 | | |
| 5 | 64QAM | 12 | 13 | 18.23 | 18.30 | 17.97 | | | | |
| 5 | 64QAM | 25 | 0 | 18.08 | 18.02 | 18.08 | | | | |
| 5 | 256QAM | 1 | 0 | 17.94 | 17.93 | 17.91 | 19.5 | 0 | | |
| 5 | 256QAM | 1 | 12 | 17.79 | 17.83 | 17.85 | | | | |
| 5 | 256QAM | 1 | 24 | 17.88 | 17.88 | 17.78 | | | | |
| 5 | 256QAM | 12 | 0 | 18.14 | 18.28 | 18.02 | 19.5 | 0 | | |
| 5 | 256QAM | 12 | 7 | 17.95 | 18.18 | 17.93 | | | | |
| 5 | 256QAM | 12 | 13 | 17.98 | 18.03 | 17.92 | | | | |
| 5 | 256QAM | 25 | 0 | 17.88 | 17.88 | 17.92 | | | | |

| Band 41 Main PA Ant3 DSI0 ENDC | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|----------------------|-----------------------------|-----------------------|------------------------------|-----------------------|---------------------|----------|
| BW (MHz) | Modulation | RI Size | RI Offset | Power Low Ch. (Freq) | Power Low Middle Ch. (Freq) | Power High Ch. (Freq) | Power High Middle Ch. (Freq) | Power High Ch. (Freq) | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 18.18 | 18.23 | 18.20 | 18.27 | 18.25 | | |
| 20 | QPSK | 1 | 49 | 18.03 | 18.13 | 18.20 | 18.03 | 18.10 | 19.5 | 0 |
| 20 | QPSK | 1 | 99 | 18.17 | 17.95 | 18.12 | 18.16 | 18.01 | | |
| 20 | QPSK | 1 | 0 | 18.08 | 18.12 | 18.03 | 18.14 | 18.19 | | |
| 20 | QPSK | 50 | 24 | 18.00 | 18.10 | 18.23 | 18.21 | 18.11 | 19.5 | 0 |
| 20 | QPSK | 50 | 50 | 18.03 | 17.93 | 18.04 | 18.02 | 17.83 | | |
| 20 | QPSK | 100 | 0 | 18.00 | 18.00 | 18.00 | 18.00 | 17.89 | | |
| 20 | HQAM | 1 | 0 | 18.00 | 18.01 | 18.00 | 18.02 | 17.84 | | |
| 20 | HQAM | 1 | 49 | 17.98 | 17.88 | 18.10 | 17.91 | 17.78 | 19.5 | 0 |
| 20 | HQAM | 1 | 99 | 17.88 | 17.90 | 17.82 | 18.06 | 17.80 | | |
| 20 | HQAM | 50 | 0 | 18.20 | 18.27 | 18.20 | 18.26 | 18.14 | | |
| 20 | HQAM | 50 | 24 | 18.10 | 18.12 | | | | | |



| Band 38 Main PA Ant4 DSI0 ENDC | | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. (Freq) | Power Middle Ch. (Freq) | Power High Ch. (Freq) | Tune-up limit (dBm) | MPR (dB) | | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | 37850 | 38000 | 38150 | | |
| 20 | QPSK | 1 | 0 | 19.23 | 19.31 | 19.39 | | | | | |
| 20 | QPSK | 1 | 49 | 19.02 | 19.27 | 19.31 | 19.7 | 0 | | | |
| 20 | QPSK | 1 | 99 | 19.18 | 18.95 | 19.09 | | | | | |
| 20 | QPSK | 50 | 24 | 19.04 | 19.15 | 19.09 | | | | | |
| 20 | QPSK | 50 | 24 | 19.01 | 19.14 | 18.94 | 19.7 | 0 | | | |
| 20 | QPSK | 50 | 50 | 19.02 | 18.85 | 19.01 | | | | | |
| 20 | QPSK | 100 | 0 | 18.98 | 19.12 | 18.97 | | | | | |
| 20 | HQAM | 1 | 0 | 19.11 | 19.17 | 19.20 | | | | | |
| 20 | HQAM | 1 | 49 | 19.06 | 19.27 | 19.29 | 19.7 | 0 | | | |
| 20 | HQAM | 1 | 99 | 19.15 | 19.02 | 18.97 | | | | | |
| 20 | HQAM | 50 | 0 | 18.96 | 19.09 | 18.95 | | | | | |
| 20 | HQAM | 50 | 24 | 18.98 | 18.97 | 18.79 | 19.7 | 0 | | | |
| 20 | HQAM | 100 | 0 | 18.90 | 19.04 | 19.02 | | | | | |
| 20 | HQAM | 1 | 0 | 18.71 | 18.71 | 18.64 | | | | | |
| 20 | HQAM | 1 | 49 | 18.92 | 18.73 | 18.59 | 19.7 | 0 | | | |
| 20 | HQAM | 1 | 99 | 18.77 | 18.73 | 18.65 | | | | | |
| 20 | HQAM | 50 | 0 | 19.02 | 19.21 | 19.13 | | | | | |
| 20 | HQAM | 50 | 24 | 18.86 | 18.96 | 18.88 | 19.7 | 0 | | | |
| 20 | HQAM | 100 | 0 | 19.00 | 19.27 | 19.21 | | | | | |
| 20 | HQAM | 100 | 0 | 19.11 | 19.02 | 19.14 | | | | | |
| 20 | 256QAM | 1 | 0 | 18.92 | 19.07 | 19.18 | | | | | |
| 20 | 256QAM | 1 | 49 | 19.02 | 19.07 | 18.97 | 19.7 | 0 | | | |
| 20 | 256QAM | 1 | 99 | 19.08 | 18.98 | 18.89 | | | | | |
| 20 | 256QAM | 50 | 0 | 19.03 | 19.00 | 18.93 | | | | | |
| 20 | 256QAM | 50 | 24 | 18.95 | 18.88 | 18.81 | 19.7 | 0 | | | |
| 20 | 256QAM | 50 | 50 | 19.02 | 18.97 | 18.81 | | | | | |
| 20 | 256QAM | 100 | 0 | 19.04 | 19.09 | 18.93 | | | | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | 2617.5 | 2695 | 2612.5 | | |
| 15 | QPSK | 1 | 0 | 19.35 | 19.29 | 19.10 | | | | | |
| 15 | QPSK | 3 | 3 | 18.86 | 18.95 | 18.15 | 19.7 | 0 | | | |
| 15 | QPSK | 1 | 74 | 18.99 | 18.93 | 18.98 | | | | | |
| 15 | QPSK | 36 | 0 | 18.97 | 19.19 | 18.95 | 19.7 | 0 | | | |
| 15 | QPSK | 36 | 39 | 18.98 | 19.12 | 18.87 | | | | | |
| 15 | QPSK | 36 | 39 | 19.08 | 19.00 | 18.94 | | | | | |
| 15 | QPSK | 75 | 0 | 19.01 | 19.21 | 19.02 | | | | | |
| 15 | QPSK | 75 | 49 | 19.05 | 19.07 | 18.98 | | | | | |
| 15 | HQAM | 1 | 37 | 19.08 | 19.07 | 19.23 | 19.7 | 0 | | | |
| 15 | HQAM | 1 | 74 | 19.23 | 19.14 | 19.00 | | | | | |
| 15 | HQAM | 36 | 0 | 18.98 | 19.12 | 18.99 | | | | | |
| 15 | HQAM | 36 | 20 | 18.95 | 18.94 | 18.92 | 19.7 | 0 | | | |
| 15 | HQAM | 36 | 39 | 19.00 | 19.17 | 19.12 | | | | | |
| 15 | HQAM | 75 | 0 | 18.75 | 18.13 | 18.07 | | | | | |
| 15 | HQAM | 1 | 0 | 18.71 | 18.71 | 18.68 | | | | | |
| 15 | HQAM | 1 | 37 | 18.58 | 18.71 | 18.55 | 19.7 | 0 | | | |
| 15 | HQAM | 1 | 74 | 18.73 | 18.68 | 18.76 | | | | | |
| 15 | HQAM | 36 | 0 | 19.08 | 19.15 | 19.15 | | | | | |
| 15 | HQAM | 36 | 20 | 18.85 | 18.91 | 18.96 | 19.7 | 0 | | | |
| 15 | HQAM | 36 | 39 | 18.99 | 19.21 | 19.19 | | | | | |
| 15 | HQAM | 75 | 0 | 18.91 | 19.13 | 19.01 | | | | | |
| 15 | 256QAM | 1 | 0 | 19.09 | 19.14 | 19.11 | | | | | |
| 15 | 256QAM | 1 | 37 | 18.92 | 19.15 | 18.93 | 19.7 | 0 | | | |
| 15 | 256QAM | 1 | 74 | 19.01 | 19.19 | 19.08 | | | | | |
| 15 | 256QAM | 36 | 0 | 19.13 | 19.05 | 18.93 | | | | | |
| 15 | 256QAM | 36 | 20 | 18.83 | 18.92 | 18.89 | 19.7 | 0 | | | |
| 15 | 256QAM | 36 | 39 | 18.93 | 19.07 | 18.91 | | | | | |
| 15 | 256QAM | 75 | 0 | 18.97 | 19.03 | 18.93 | | | | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | 37800 | 38000 | 38200 | | |
| 10 | QPSK | 1 | 0 | 19.15 | 19.32 | 19.25 | | | | | |
| 10 | QPSK | 1 | 25 | 18.95 | 19.20 | 19.20 | 19.7 | 0 | | | |
| 10 | QPSK | 1 | 49 | 19.22 | 19.04 | 19.09 | | | | | |
| 10 | QPSK | 25 | 0 | 19.01 | 19.14 | 19.02 | | | | | |
| 10 | QPSK | 25 | 12 | 19.06 | 19.09 | 18.74 | 19.7 | 0 | | | |
| 10 | QPSK | 50 | 0 | 19.02 | 19.07 | 19.06 | | | | | |
| 10 | QPSK | 50 | 0 | 19.08 | 19.09 | 19.04 | | | | | |
| 10 | HQAM | 1 | 0 | 19.15 | 19.11 | 19.02 | | | | | |
| 10 | HQAM | 1 | 25 | 18.98 | 19.12 | 18.97 | 19.7 | 0 | | | |
| 10 | HQAM | 1 | 49 | 19.25 | 19.05 | 19.00 | | | | | |
| 10 | HQAM | 25 | 0 | 18.87 | 19.10 | 18.95 | | | | | |
| 10 | HQAM | 25 | 12 | 18.94 | 19.09 | 18.95 | 19.7 | 0 | | | |
| 10 | HQAM | 25 | 25 | 19.07 | 19.19 | 19.14 | | | | | |
| 10 | HQAM | 50 | 0 | 18.73 | 18.97 | 18.94 | | | | | |
| 10 | HQAM | 1 | 0 | 18.61 | 18.66 | 18.69 | | | | | |
| 10 | HQAM | 1 | 25 | 18.97 | 18.65 | 18.57 | 19.7 | 0 | | | |
| 10 | HQAM | 1 | 49 | 18.71 | 18.56 | 18.73 | | | | | |
| 10 | HQAM | 25 | 0 | 19.09 | 19.19 | 18.97 | | | | | |
| 10 | HQAM | 25 | 12 | 18.92 | 19.02 | 18.99 | 19.7 | 0 | | | |
| 10 | HQAM | 25 | 25 | 19.05 | 19.07 | 19.25 | | | | | |
| 10 | HQAM | 50 | 0 | 19.12 | 19.04 | 18.95 | | | | | |
| 10 | 256QAM | 1 | 0 | 18.97 | 19.04 | 19.11 | | | | | |
| 10 | 256QAM | 1 | 25 | 18.94 | 19.23 | 18.89 | 19.7 | 0 | | | |
| 10 | 256QAM | 1 | 49 | 18.90 | 18.98 | 18.99 | | | | | |
| 10 | 256QAM | 25 | 0 | 18.96 | 18.96 | 18.98 | | | | | |
| 10 | 256QAM | 25 | 12 | 19.03 | 18.98 | 18.98 | 19.7 | 0 | | | |
| 10 | 256QAM | 25 | 25 | 18.85 | 18.14 | 18.88 | | | | | |
| 10 | 256QAM | 50 | 0 | 19.04 | 19.01 | 19.10 | | | | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | 37775 | 38000 | 38225 | | |
| 5 | QPSK | 1 | 0 | 19.21 | 19.31 | 19.15 | | | | | |
| 5 | QPSK | 1 | 24 | 19.04 | 19.03 | 18.85 | 19.7 | 0 | | | |
| 5 | QPSK | 1 | 49 | 19.06 | 19.27 | 18.96 | | | | | |
| 5 | QPSK | 12 | 7 | 18.90 | 18.95 | 18.94 | 19.7 | 0 | | | |
| 5 | QPSK | 12 | 13 | 19.07 | 19.02 | 18.89 | | | | | |
| 5 | QPSK | 25 | 0 | 19.14 | 19.14 | 18.91 | | | | | |
| 5 | HQAM | 1 | 0 | 19.06 | 19.06 | 19.19 | | | | | |
| 5 | HQAM | 1 | 12 | 18.95 | 19.31 | 19.22 | 19.7 | 0 | | | |
| 5 | HQAM | 1 | 24 | 19.29 | 19.07 | 19.00 | | | | | |
| 5 | HQAM | 12 | 0 | 18.86 | 19.08 | 19.02 | | | | | |
| 5 | HQAM | 12 | 7 | 18.82 | 18.88 | 18.94 | 19.7 | 0 | | | |
| 5 | HQAM | 12 | 13 | 19.06 | 19.05 | 19.03 | | | | | |
| 5 | HQAM | 25 | 0 | 18.74 | 18.97 | 19.04 | | | | | |
| 5 | HQAM | 1 | 0 | 18.49 | 18.67 | 18.60 | | | | | |
| 5 | HQAM | 1 | 12 | 18.49 | 18.64 | 18.54 | 19.7 | 0 | | | |
| 5 | HQAM | 1 | 24 | 18.65 | 18.59 | 18.75 | | | | | |
| 5 | HQAM | 12 | 0 | 19.15 | 19.17 | 19.15 | | | | | |
| 5 | HQAM | 12 | 7 | 18.92 | 18.90 | 19.06 | 19.7 | 0 | | | |
| 5 | HQAM | 12 | 13 | 18.94 | 19.25 | 19.25 | | | | | |
| 5 | HQAM | 25 | 0 | 18.96 | 19.02 | 18.99 | | | | | |
| 5 | 256QAM | 1 | 0 | 18.91 | 19.04 | 19.18 | | | | | |
| 5 | 256QAM | 1 | 12 | 19.09 | 19.16 | 18.98 | 19.7 | 0 | | | |
| 5 | 256QAM | 1 | 24 | 18.95 | 19.14 | 19.08 | | | | | |
| 5 | 256QAM | 12 | 0 | 19.03 | 19.02 | 18.91 | | | | | |
| 5 | 256QAM | 12 | 7 | 18.90 | 18.89 | 18.81 | 19.7 | 0 | | | |
| 5 | 256QAM | 12 | 13 | 18.92 | 19.00 | 18.89 | | | | | |
| 5 | 256QAM | 25 | 0 | 18.88 | 18.89 | 18.98 | | | | | |

| Band 41 Main PA Ant4 DSI0 ENDC | | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|-------|-------|-------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. (Freq) | Power Middle Ch. (Freq) | Power High Ch. (Freq) | Tune-up limit (dBm) | MPR (dB) | | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | 39750 | 40165 | 40600 | 41055 | 41490 |
| 20 | QPSK | 1 | 0 | 19.28 | 19.24 | 19.24 | | | | | |
| 20 | QPSK | 1 | 49 | 19.25 | 19.08 | 19.38 | 19.29 | 19.04 | | | |
| 20 | QPSK | 1 | 99 | 18.99 | 19.20 | 19.15 | 19.02 | 19.18 | | | |
| 20 | QPSK | 50 | 0 | 19.33 | 19.11 | 19.24 | 19.02 | 19.39 | | | |
| 20 | QPSK | 50 | 24 | 19.18 | 19.10 | 19.10 | 18.95 | 19.09 | 19.7 | 0 | |
| 20 | QPSK | 50 | 50 | 19.10 | 19.09 | 19.05 | 19.01 | 18.90 | | | |
| 20 | QPSK | 100 | 0 | 19.08 | 19.05 | 19.06 | 18.95 | 18.93 | | | |
| 20 | HQAM | 1 | 0 | 19.27 | 19.24 | 19.20 | 19.19 | 19.32 | | | |
| 20 | HQAM | 1 | 49 | 19.15 | 19.15 | 19.29 | 19.20 | 19.20 | 19.7 | 0 | |
| 20 | HQAM | 1 | 99 | 19.28 | 19.20 | 19.23 | 19.16 | 19.25 | | | |
| 20 | HQAM | 50 | 0 | 19.05 | 19.08 | 19.20 | 19.03 | 19.17 | | | |
| 20 | HQAM | 50 | 24 | 18.93 | 18.99 | 19.08 | 18.98 | 19.13 | 19.7 | 0 | |
| 20 | HQAM | 50 | 50 | 19.05 | 19.14 | 19.24 | 19.14 | 18.93 | | | |
| 20 | HQAM | 100 | 0 | 18.99 | 18.84 | 19.15 | 19.13 | 18.97 | | | |
| 20 | HQAM | 1 | 0 | 18.77 | 18.69 | 18.75 | 18.72 | 18.64 | | | |
| 20 | HQAM | 1 | 49 | 18.70 | 18.69 | 18.79 | 18.60 | 18.78 | 19.7 | 0 | |
| 20 | HQAM | 1 | 99 | 18.88 | 18.75 | 18.75 | 18.75 | 18.83 | | | |
| 20 | HQAM | 50 | 0 | 19.11 | 19.16 | 19.35 | 19.15 | 19.10 | | | |
| 20 | HQAM | 50 | 24 | 19.05 | 18.96 | 19.08 | 19.05 | 19.04 | 19.7 | 0 | |
| 20 | HQAM | 50 | 50 | 19.09 | 19.09 | 19.25 | 19.25 | 19.25 | | | |
| 20 | HQAM | 100 | 0 | 19.09 | 19.11 | 19.15 | 19.13 | 19.32 | | | |
| 20 | 256QAM | 1 | 0 | 19.20 | 19.13 | 19.29 | 19.22 | 19.12 | 19.7 | 0 | |
| 20 | 256QAM | 1 | 49 | 19.18 | 19.11 | 19.22 | 19.09 | 19.12 | | | |
| 20 | 256QAM | 1 | 99 | 19.09 | 19.10 | 19.17 | 19.08 | 19.10 | | | |
| 20 | 256QAM | 50 | 0 | 19.12 | 19.13 | 19.16 | 19.04 | 19.08 | 19.7 | 0 | |
| 20 | 256QAM | 50 | 24 | 18.91 | 18.92 | 19.06 | 18.98 | 19.01 | | | |
| 20 | 256QAM | 50 | 50 | 19.07 | 19.08 | 19.12 | 19.02 | 19.07 | | | |
| 20 | 256QAM | 100 | 0 | 19.05 | 19.04 | 19.14 | 19.11 | 19.08 | | | |
| Channel | | | | | | | | | | | |



DSI 1 Power for WWAN Main PA

| GSM850 Ant0 Default | | | | | | | | |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| TX Channel | 824.2 | 836.4 | 848.8 | 34.00 | 824.2 | 836.4 | 848.8 | 25.00 |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 34.00 | 824.2 | 836.4 | 848.8 | 25.00 |
| GSM 1 Tx slot | 32.93 | 33.09 | 33.05 | 34.00 | 23.93 | 24.09 | 24.05 | 25.00 |
| GPRS 1 Tx slot | 32.97 | 33.13 | 33.07 | 34.00 | 23.97 | 24.13 | 24.07 | 25.00 |
| GPRS 2 Tx slots | 30.09 | 30.12 | 30.04 | 31.00 | 24.09 | 24.12 | 24.04 | 25.00 |
| GPRS 3 Tx slots | 28.23 | 28.34 | 28.18 | 29.20 | 23.97 | 24.08 | 23.93 | 24.94 |
| GPRS 4 Tx slots | 28.91 | 28.95 | 28.88 | 29.00 | 23.91 | 23.95 | 23.88 | 25.00 |
| EDGE 1 Tx slot | 27.01 | 27.13 | 27.08 | 28.00 | 18.01 | 18.13 | 18.08 | 19.00 |
| EDGE 2 Tx slots | 24.17 | 24.25 | 24.10 | 25.00 | 18.17 | 18.25 | 18.10 | 19.00 |
| EDGE 3 Tx slots | 22.31 | 22.41 | 22.28 | 23.20 | 18.05 | 18.15 | 18.02 | 18.94 |
| EDGE 4 Tx slots | 21.12 | 21.17 | 21.04 | 22.00 | 18.12 | 18.17 | 18.04 | 19.00 |

| WCDMA V Ant0 Default | | | | | |
|----------------------|-------------------------|-------|-------|---------------------|-------|
| Band | WCDMA V | | | Tune-up Limit (dBm) | |
| | 4192 | 4192 | 4238 | | |
| TX Channel | 4357 | 4407 | 4453 | | |
| Rx Channel | 4357 | 4407 | 4453 | | |
| Frequency (MHz) | 826.4 | 836.4 | 846.6 | | |
| 3GPP Rel 99 | AMR 12.2kbps | 23.98 | 24.11 | 24.08 | 25.00 |
| 3GPP Rel 99 | RMC 12.2kbps | 24.04 | 24.16 | 24.13 | 25.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 23.15 | 23.15 | 23.11 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 23.09 | 23.15 | 23.07 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 22.54 | 22.69 | 22.61 | 23.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 22.56 | 22.63 | 22.57 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 23.03 | 23.14 | 23.10 | 24.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 23.04 | 23.14 | 23.06 | 24.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 22.45 | 22.60 | 22.53 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 22.43 | 22.58 | 22.50 | 23.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 22.98 | 23.03 | 23.05 | 24.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 21.08 | 21.21 | 21.06 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 22.09 | 22.26 | 22.21 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 21.06 | 21.11 | 21.03 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 23.02 | 23.11 | 23.05 | 24.00 |
| 3GPP Rel 7 | HSPA+ (10QAM) Subtest-1 | 20.57 | 20.76 | 20.64 | 21.50 |



| Band 5 Main PA Ant0 | | | | | | | | | | |
|---------------------|------------|---------|-----------|----------------------|-----------------------|----------------------|--------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power Mid Ch / Freq. | Turn-up time (sec) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.45 | 24.56 | 24.50 | | | | |
| 10 | QPSK | 1 | 25 | 24.52 | 24.48 | 24.51 | | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.35 | 24.52 | 24.34 | | | | |
| 10 | QPSK | 25 | 0 | 23.48 | 23.59 | 23.54 | | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 23.51 | 23.47 | 23.50 | | | | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.50 | 23.40 | | | | |
| 10 | QPSK | 50 | 0 | 23.43 | 23.54 | 23.47 | | | | |
| 10 | 16QAM | 1 | 0 | 23.79 | 23.84 | 23.79 | | | | |
| 10 | 16QAM | 1 | 25 | 23.72 | 23.71 | 23.68 | | 24.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 23.68 | 23.73 | 23.69 | | | | |
| 10 | 16QAM | 25 | 0 | 22.39 | 22.52 | 22.41 | | | | |
| 10 | 16QAM | 25 | 12 | 22.37 | 22.48 | 22.33 | | 23.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 22.36 | 22.44 | 22.34 | | | | |
| 10 | 16QAM | 50 | 0 | 22.30 | 22.46 | 22.31 | | | | |
| 10 | 64QAM | 1 | 0 | 22.69 | 22.68 | 22.58 | | | | |
| 10 | 64QAM | 1 | 25 | 22.49 | 22.69 | 22.61 | | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.51 | 22.67 | 22.44 | | | | |
| 10 | 64QAM | 25 | 0 | 21.38 | 21.46 | 21.39 | | | | |
| 10 | 64QAM | 25 | 12 | 21.52 | 21.48 | 21.38 | | 22.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 21.28 | 21.57 | 21.36 | | | | |
| 10 | 64QAM | 50 | 0 | 21.23 | 21.51 | 21.28 | | | | |
| 10 | 256QAM | 1 | 0 | 19.44 | 19.56 | 19.41 | | | | |
| 10 | 256QAM | 1 | 25 | 19.38 | 19.56 | 19.43 | | 20.5 | 5 | |
| 10 | 256QAM | 1 | 49 | 19.38 | 19.56 | 19.44 | | | | |
| 10 | 256QAM | 25 | 0 | 19.28 | 19.36 | 19.27 | | | | |
| 10 | 256QAM | 25 | 12 | 19.24 | 19.49 | 19.24 | | 20.5 | 5 | |
| 10 | 256QAM | 25 | 25 | 19.34 | 19.40 | 19.34 | | | | |
| 10 | 256QAM | 50 | 0 | 19.43 | 19.49 | 19.43 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.32 | 24.52 | 24.41 | | | | |
| 5 | QPSK | 1 | 12 | 24.31 | 24.43 | 24.40 | | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.29 | 24.40 | 24.22 | | | | |
| 5 | QPSK | 12 | 0 | 23.30 | 23.53 | 23.45 | | | | |
| 5 | QPSK | 12 | 7 | 23.39 | 23.36 | 23.38 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.20 | 23.37 | 23.26 | | | | |
| 5 | QPSK | 25 | 0 | 23.36 | 23.48 | 23.38 | | | | |
| 5 | 16QAM | 1 | 0 | 23.76 | 23.79 | 23.72 | | | | |
| 5 | 16QAM | 1 | 12 | 23.69 | 23.60 | 23.54 | | 24.5 | 1 | |
| 5 | 16QAM | 1 | 24 | 23.58 | 23.61 | 23.61 | | | | |
| 5 | 16QAM | 12 | 0 | 22.20 | 22.44 | 22.52 | | | | |
| 5 | 16QAM | 12 | 7 | 22.27 | 22.39 | 22.27 | | 23.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 22.35 | 22.37 | 22.27 | | | | |
| 5 | 16QAM | 25 | 0 | 22.27 | 22.38 | 22.20 | | | | |
| 5 | 64QAM | 1 | 0 | 22.48 | 22.81 | 22.53 | | | | |
| 5 | 64QAM | 1 | 12 | 22.46 | 22.82 | 22.42 | | 23.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 22.44 | 22.82 | 22.35 | | | | |
| 5 | 64QAM | 12 | 0 | 21.33 | 21.34 | 21.53 | | | | |
| 5 | 64QAM | 12 | 7 | 21.38 | 21.41 | 21.28 | | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.19 | 21.25 | 21.25 | | | | |
| 5 | 64QAM | 25 | 0 | 21.14 | 21.48 | 21.14 | | | | |
| 5 | 256QAM | 1 | 0 | 19.38 | 19.51 | 19.28 | | | | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.57 | 19.31 | | 20.5 | 5 | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.51 | 19.36 | | | | |
| 5 | 256QAM | 12 | 0 | 19.28 | 19.36 | 19.27 | | | | |
| 5 | 256QAM | 12 | 7 | 19.20 | 19.34 | 19.19 | | 20.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 19.31 | 19.29 | 19.27 | | | | |
| 5 | 256QAM | 25 | 0 | 19.33 | 19.43 | 19.29 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.17 | 24.59 | 24.47 | | | | |
| 3 | QPSK | 1 | 8 | 24.35 | 24.43 | 24.29 | | 25.5 | 0 | |
| 3 | QPSK | 1 | 14 | 24.22 | 24.45 | 24.29 | | | | |
| 3 | QPSK | 8 | 0 | 23.37 | 23.51 | 23.41 | | | | |
| 3 | QPSK | 8 | 4 | 23.35 | 23.38 | 23.41 | | 24.5 | 1 | |
| 3 | QPSK | 8 | 7 | 23.26 | 23.47 | 23.26 | | | | |
| 3 | 16QAM | 1 | 0 | 23.38 | 23.44 | 23.38 | | | | |
| 3 | 16QAM | 1 | 8 | 23.70 | 23.71 | 23.68 | | 24.5 | 1 | |
| 3 | 16QAM | 1 | 14 | 23.65 | 23.68 | 23.64 | | | | |
| 3 | 16QAM | 8 | 0 | 22.26 | 22.42 | 22.37 | | | | |
| 3 | 16QAM | 8 | 4 | 22.32 | 22.42 | 22.20 | | 23.5 | 2 | |
| 3 | 16QAM | 8 | 7 | 22.30 | 22.38 | 22.24 | | | | |
| 3 | 16QAM | 15 | 0 | 22.17 | 22.34 | 22.17 | | | | |
| 3 | 64QAM | 1 | 0 | 22.66 | 22.83 | 22.63 | | | | |
| 3 | 64QAM | 1 | 8 | 22.44 | 22.54 | 22.40 | | 23.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 22.44 | 22.35 | 22.40 | | | | |
| 3 | 64QAM | 8 | 0 | 21.25 | 21.41 | 21.36 | | | | |
| 3 | 64QAM | 8 | 4 | 21.24 | 21.35 | 21.15 | | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.17 | 21.27 | 21.27 | | | | |
| 3 | 256QAM | 1 | 0 | 19.35 | 19.47 | 19.28 | | | | |
| 3 | 256QAM | 1 | 8 | 19.27 | 19.54 | 19.33 | | 20.5 | 5 | |
| 3 | 256QAM | 1 | 14 | 19.34 | 19.43 | 19.33 | | | | |
| 3 | 256QAM | 8 | 0 | 19.27 | 19.32 | 19.22 | | | | |
| 3 | 256QAM | 8 | 4 | 19.12 | 19.39 | 19.18 | | 20.5 | 5 | |
| 3 | 256QAM | 8 | 7 | 19.30 | 19.36 | 19.30 | | | | |
| 3 | 256QAM | 15 | 0 | 19.35 | 19.46 | 19.35 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.34 | 24.42 | 24.43 | | | | |
| 1.4 | QPSK | 1 | 3 | 24.30 | 24.41 | 24.37 | | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 5 | 24.31 | 24.48 | 24.26 | | | | |
| 1.4 | QPSK | 3 | 0 | 24.38 | 24.42 | 24.37 | | | | |
| 1.4 | QPSK | 3 | 1 | 24.36 | 24.41 | 24.36 | | | | |
| 1.4 | QPSK | 3 | 3 | 24.20 | 24.45 | 24.23 | | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 0 | 23.42 | 23.50 | 23.41 | | | | |
| 1.4 | 16QAM | 1 | 3 | 23.39 | 23.39 | 23.35 | | | | |
| 1.4 | 16QAM | 1 | 3 | 23.21 | 23.40 | 23.35 | | 24.5 | 1 | |
| 1.4 | 16QAM | 3 | 0 | 23.38 | 23.39 | 23.32 | | | | |
| 1.4 | 16QAM | 3 | 0 | 23.72 | 23.76 | 23.70 | | | | |
| 1.4 | 16QAM | 3 | 1 | 23.66 | 23.67 | 23.54 | | | | |
| 1.4 | 16QAM | 3 | 3 | 23.62 | 23.67 | 23.63 | | | | |
| 1.4 | 16QAM | 6 | 0 | 22.24 | 22.46 | 22.38 | | 23.5 | 2 | |
| 1.4 | 16QAM | 1 | 0 | 22.28 | 22.36 | 22.26 | | | | |
| 1.4 | 16QAM | 1 | 3 | 22.29 | 22.36 | 22.28 | | | | |
| 1.4 | 64QAM | 1 | 5 | 22.26 | 22.38 | 22.23 | | 23.5 | 2 | |
| 1.4 | 64QAM | 3 | 0 | 22.46 | 22.60 | 22.44 | | | | |
| 1.4 | 64QAM | 3 | 1 | 22.41 | 22.61 | 22.45 | | | | |
| 1.4 | 64QAM | 3 | 3 | 22.39 | 22.60 | 22.34 | | | | |
| 1.4 | 256QAM | 1 | 0 | 21.26 | 21.34 | 21.29 | | 22.5 | 3 | |
| 1.4 | 256QAM | 1 | 0 | 19.32 | 19.49 | 19.27 | | | | |
| 1.4 | 256QAM | 1 | 3 | 19.28 | 19.40 | 19.37 | | | | |
| 1.4 | 256QAM | 1 | 5 | 19.34 | 19.46 | 19.29 | | 20.5 | 5 | |
| 1.4 | 256QAM | 3 | 0 | 19.23 | 19.34 | 19.27 | | | | |
| 1.4 | 256QAM | 3 | 1 | 19.17 | 19.35 | 19.11 | | | | |
| 1.4 | 256QAM | 3 | 3 | 19.20 | 19.39 | 19.21 | | 20.5 | 5 | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.30 | | | | |

| Band 13 Main PA Ant0 | | | | | | | | | | |
|----------------------|------------|---------|-----------|----------------------|-----------------------|----------------------|--------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power Mid Ch / Freq. | Turn-up time (sec) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.54 | | | | | | |
| 10 | QPSK | 1 | 25 | 24.59 | | | | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.52 | | | | | | |
| 10 | QPSK | 25 | 0 | 23.56 | | | | | | |
| 10 | QPSK | 25 | 12 | 23.58 | | | | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.77 | | | | | | |
| 10 | QPSK | 50 | 0 | 23.50 | | | | | | |
| 10 | 16QAM | 1 | 0 | 23.86 | | | | | | |
| 10 | 16QAM | 1 | 25 | 23.81 | | | | 24.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 23.78 | | | | | | |
| 10 | 16QAM | 25 | 0 | 22.77 | | | | | | |
| 10 | 16QAM | 25 | 12 | 22.92 | | | | 23.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 22.71 | | | | | | |
| 10 | 16QAM | 50 | 0 | 22.88 | | | | | | |
| 10 | 64QAM | 1 | 0 | 22.58 | | | | | | |
| 10 | 64QAM | 1 | 25 | 22.59 | | | | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.54 | | | | | | |
| 10 | | | | | | | | | | |



| Band 26 Main PA Ant0 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|--------------------|----------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Turn-up limit (dB) | APR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 821.5 | 831.8 | 841.5 | | | |
| 15 | QPSK | 1 | 0 | 24.52 | 24.58 | 24.49 | 25.5 | 0 | |
| 15 | QPSK | 1 | 31 | 24.42 | 24.51 | 24.43 | | | |
| 15 | QPSK | 1 | 74 | 24.41 | 24.53 | 24.47 | | | |
| 15 | QPSK | 36 | 0 | 23.48 | 23.63 | 23.52 | 24.5 | 1 | |
| 15 | QPSK | 36 | 20 | 23.43 | 23.55 | 23.51 | | | |
| 15 | QPSK | 36 | 39 | 23.52 | 23.60 | 23.51 | | | |
| 15 | QPSK | 75 | 0 | 23.54 | 23.57 | 23.47 | | | |
| 15 | 16QAM | 1 | 0 | 23.48 | 23.56 | 23.45 | 24.5 | 1 | |
| 15 | 16QAM | 1 | 37 | 23.35 | 23.51 | 23.37 | | | |
| 15 | 16QAM | 1 | 74 | 23.42 | 23.54 | 23.47 | | | |
| 15 | 16QAM | 36 | 0 | 22.42 | 22.47 | 22.42 | 23.5 | 2 | |
| 15 | 16QAM | 36 | 20 | 22.45 | 22.50 | 22.52 | | | |
| 15 | 16QAM | 36 | 39 | 22.53 | 22.57 | 22.43 | | | |
| 15 | 16QAM | 75 | 0 | 22.50 | 22.54 | 22.49 | | | |
| 15 | 64QAM | 1 | 0 | 22.59 | 22.70 | 22.58 | 23.5 | 2 | |
| 15 | 64QAM | 1 | 37 | 22.63 | 22.68 | 22.54 | | | |
| 15 | 64QAM | 1 | 74 | 22.63 | 22.66 | 22.50 | | | |
| 15 | 64QAM | 36 | 0 | 21.25 | 21.37 | 21.34 | 22.5 | 3 | |
| 15 | 64QAM | 36 | 20 | 21.41 | 21.55 | 21.43 | | | |
| 15 | 64QAM | 36 | 39 | 21.45 | 21.53 | 21.44 | | | |
| 15 | 64QAM | 75 | 0 | 21.41 | 21.54 | 21.43 | | | |
| 15 | 256QAM | 1 | 0 | 19.58 | 19.69 | 19.61 | 20.5 | 5 | |
| 15 | 256QAM | 1 | 37 | 19.42 | 19.57 | 19.49 | | | |
| 15 | 256QAM | 1 | 74 | 19.60 | 19.74 | 19.69 | | | |
| 15 | 256QAM | 36 | 0 | 19.35 | 19.42 | 19.38 | 20.5 | 5 | |
| 15 | 256QAM | 36 | 20 | 19.48 | 19.52 | 19.43 | | | |
| 15 | 256QAM | 36 | 39 | 19.46 | 19.55 | 19.50 | | | |
| 15 | 256QAM | 75 | 0 | 19.38 | 19.51 | 19.47 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 819 | 831.8 | 844 | | | APR (dB) |
| 10 | QPSK | 1 | 0 | 24.42 | 24.44 | 24.36 | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.39 | 24.46 | 24.31 | | | |
| 10 | QPSK | 1 | 49 | 24.28 | 24.42 | 24.42 | | | |
| 10 | QPSK | 25 | 0 | 23.43 | 23.52 | 23.46 | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 23.29 | 23.45 | 23.40 | | | |
| 10 | QPSK | 25 | 25 | 23.48 | 23.48 | 23.47 | | | |
| 10 | QPSK | 50 | 0 | 23.42 | 23.49 | 23.43 | | | |
| 10 | 16QAM | 1 | 0 | 23.41 | 23.49 | 23.39 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 25 | 23.33 | 23.47 | 23.31 | | | |
| 10 | 16QAM | 1 | 49 | 23.35 | 23.51 | 23.44 | | | |
| 10 | 16QAM | 25 | 0 | 22.36 | 22.51 | 22.38 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 12 | 22.35 | 22.56 | 22.42 | | | |
| 10 | 16QAM | 25 | 25 | 22.48 | 22.44 | 22.38 | | | |
| 10 | 16QAM | 50 | 0 | 22.36 | 22.45 | 22.35 | | | |
| 10 | 64QAM | 1 | 0 | 22.51 | 22.58 | 22.52 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 25 | 22.50 | 22.56 | 22.45 | | | |
| 10 | 64QAM | 1 | 49 | 22.63 | 22.61 | 22.54 | | | |
| 10 | 64QAM | 25 | 0 | 21.18 | 21.31 | 21.25 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 12 | 21.32 | 21.53 | 21.37 | | | |
| 10 | 64QAM | 25 | 25 | 21.32 | 21.33 | 21.34 | | | |
| 10 | 64QAM | 50 | 0 | 21.34 | 21.50 | 21.53 | | | |
| 10 | 256QAM | 1 | 0 | 19.45 | 19.53 | 19.50 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 25 | 19.32 | 19.42 | 19.42 | | | |
| 10 | 256QAM | 1 | 49 | 19.54 | 19.65 | 19.58 | | | |
| 10 | 256QAM | 25 | 0 | 19.36 | 19.26 | 19.33 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 12 | 19.43 | 19.41 | 19.29 | | | |
| 10 | 256QAM | 25 | 25 | 19.39 | 19.48 | 19.36 | | | |
| 10 | 256QAM | 50 | 0 | 19.35 | 19.40 | 19.38 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 816.5 | 831.8 | 846.5 | | | APR (dB) |
| 5 | QPSK | 1 | 0 | 24.44 | 24.46 | 24.38 | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.32 | 24.38 | 24.25 | | | |
| 5 | QPSK | 1 | 24 | 24.34 | 24.45 | 24.39 | | | |
| 5 | QPSK | 12 | 0 | 23.46 | 23.57 | 23.48 | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.28 | 23.45 | 23.45 | | | |
| 5 | QPSK | 12 | 13 | 23.48 | 23.53 | 23.38 | | | |
| 5 | QPSK | 25 | 0 | 23.42 | 23.47 | 23.38 | | | |
| 5 | 16QAM | 1 | 0 | 23.41 | 23.44 | 23.33 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 12 | 23.21 | 23.44 | 23.22 | | | |
| 5 | 16QAM | 1 | 24 | 23.37 | 23.46 | 23.34 | | | |
| 5 | 16QAM | 12 | 0 | 22.34 | 22.44 | 22.34 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 7 | 22.35 | 22.55 | 22.42 | | | |
| 5 | 16QAM | 12 | 13 | 22.47 | 22.46 | 22.38 | | | |
| 5 | 16QAM | 25 | 0 | 22.38 | 22.39 | 22.45 | | | |
| 5 | 64QAM | 1 | 0 | 22.54 | 22.59 | 22.53 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 12 | 22.56 | 22.54 | 22.46 | | | |
| 5 | 64QAM | 1 | 24 | 22.62 | 22.69 | 22.76 | | | |
| 5 | 64QAM | 12 | 0 | 21.20 | 21.30 | 21.21 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 7 | 21.31 | 21.43 | 21.37 | | | |
| 5 | 64QAM | 12 | 13 | 21.38 | 21.42 | 21.37 | | | |
| 5 | 64QAM | 25 | 0 | 21.27 | 21.49 | 21.59 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.51 | 19.45 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 19.29 | 19.53 | 19.36 | | | |
| 5 | 256QAM | 1 | 24 | 19.54 | 19.66 | 19.55 | | | |
| 5 | 256QAM | 12 | 0 | 19.24 | 19.31 | 19.29 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.36 | 19.41 | 19.37 | | | |
| 5 | 256QAM | 12 | 13 | 19.35 | 19.42 | 19.43 | | | |
| 5 | 256QAM | 25 | 0 | 19.32 | 19.35 | 19.38 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 817.5 | 831.8 | 847.5 | | | APR (dB) |
| 3 | QPSK | 1 | 0 | 24.42 | 24.42 | 24.37 | 25.5 | 0 | |
| 3 | QPSK | 1 | 8 | 24.37 | 24.42 | 24.32 | | | |
| 3 | QPSK | 1 | 14 | 24.34 | 24.45 | 24.43 | | | |
| 3 | QPSK | 8 | 0 | 23.34 | 23.51 | 23.43 | 24.5 | 1 | |
| 3 | QPSK | 8 | 4 | 23.29 | 23.45 | 23.36 | | | |
| 3 | QPSK | 8 | 7 | 23.37 | 23.46 | 23.43 | | | |
| 3 | QPSK | 15 | 0 | 23.46 | 23.52 | 23.42 | | | |
| 3 | 16QAM | 1 | 0 | 23.44 | 23.52 | 23.37 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 8 | 23.27 | 23.45 | 23.31 | | | |
| 3 | 16QAM | 1 | 14 | 23.30 | 23.45 | 23.36 | | | |
| 3 | 16QAM | 8 | 0 | 22.34 | 22.42 | 22.32 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 4 | 22.42 | 22.64 | 22.42 | | | |
| 3 | 16QAM | 8 | 7 | 22.43 | 22.53 | 22.38 | | | |
| 3 | 64QAM | 1 | 0 | 22.46 | 22.57 | 22.44 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 8 | 22.48 | 22.61 | 22.50 | | | |
| 3 | 64QAM | 1 | 14 | 22.79 | 22.86 | 22.76 | | | |
| 3 | 64QAM | 8 | 0 | 21.13 | 21.28 | 21.21 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 4 | 21.37 | 21.45 | 21.38 | | | |
| 3 | 64QAM | 8 | 7 | 21.36 | 21.38 | 21.34 | | | |
| 3 | 64QAM | 15 | 0 | 21.28 | 21.45 | 21.36 | | | |
| 3 | 256QAM | 1 | 0 | 19.43 | 19.56 | 19.55 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 8 | 19.30 | 19.45 | 19.39 | | | |
| 3 | 256QAM | 1 | 14 | 19.46 | 19.71 | 19.61 | | | |
| 3 | 256QAM | 8 | 0 | 19.26 | 19.36 | 19.35 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 4 | 19.38 | 19.39 | 19.29 | | | |
| 3 | 256QAM | 8 | 7 | 19.34 | 19.32 | 19.40 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.45 | 19.43 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 816.7 | 831.8 | 847.3 | | | APR (dB) |
| 1.4 | QPSK | 1 | 0 | 24.44 | 24.54 | 24.45 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.26 | | | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.50 | 24.41 | | | |
| 1.4 | QPSK | 3 | 0 | 24.41 | 24.45 | 24.44 | 24.5 | 1 | |
| 1.4 | QPSK | 3 | 1 | 24.37 | 24.45 | 24.48 | | | |
| 1.4 | QPSK | 3 | 3 | 24.34 | 24.39 | 24.34 | | | |
| 1.4 | QPSK | 6 | 0 | 23.34 | 23.59 | 23.48 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 0 | 23.33 | 23.43 | 23.35 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.42 | 23.45 | 23.36 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 5 | 23.47 | 23.54 | 23.34 | | | |
| 1.4 | 16QAM | 3 | 0 | 23.38 | 23.42 | 23.40 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.24 | 23.43 | 23.32 | 23.5 | 2 | |
| 1.4 | 16QAM | 3 | 3 | 23.30 | 23.45 | 23.40 | | | |
| 1.4 | 64QAM | 1 | 0 | 22.38 | 22.40 | 22.32 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 3 | 22.35 | 22.49 | 22.41 | | | |
| 1.4 | 64QAM | 1 | 5 | 22.43 | 22.47 | 22.30 | | | |
| 1.4 | 64QAM | 3 | 0 | 22.43 | 22.48 | 22.38 | 23.5 | 2 | |
| 1.4 | 64QAM | 3 | 1 | 22.50 | 22.59 | 22.49 | | | |
| 1.4 | 64QAM | 3 | 3 | 22.50 | 22.56 | 22.47 | | | |
| 1.4 | 64QAM | 6 | 0 | 21.35 | 21.47 | 21.40 | 22.5 | 3 | |
| 1 | | | | | | | | | |



| GSM850 Ant1 Default | | | | | | | | |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 128 | 199 | 251 | | 128 | 199 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 33.50 | 23.02 | 23.11 | 23.02 | 24.50 |
| GSM 1 Tx slot | 32.02 | 32.11 | 32.02 | 33.50 | 23.02 | 23.11 | 23.02 | 24.50 |
| GPRS 1 Tx slot | 32.05 | 32.16 | 32.08 | 33.50 | 23.05 | 23.16 | 23.08 | 24.50 |
| GPRS 2 Tx slots | 29.21 | 29.24 | 29.17 | 30.50 | 23.21 | 23.24 | 23.17 | 24.50 |
| GPRS 3 Tx slots | 27.40 | 27.44 | 27.34 | 28.50 | 23.14 | 23.18 | 23.08 | 24.24 |
| GPRS 4 Tx slots | 25.97 | 26.07 | 26.00 | 27.50 | 22.97 | 23.07 | 23.00 | 24.50 |
| EDGE 1 Tx slot | 26.21 | 26.25 | 26.11 | 27.50 | 17.21 | 17.25 | 17.11 | 18.50 |
| EDGE 2 Tx slots | 23.24 | 23.29 | 23.16 | 24.50 | 17.24 | 17.29 | 17.16 | 18.50 |
| EDGE 3 Tx slots | 21.40 | 21.53 | 21.48 | 22.70 | 17.14 | 17.27 | 17.22 | 18.44 |
| EDGE 4 Tx slots | 20.15 | 20.28 | 20.24 | 21.50 | 17.15 | 17.28 | 17.24 | 18.50 |

| GSM1900 Ant1 Default | | | | | | | | |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 30.00 | 1850.2 | 1880 | 1909.8 | 21.00 |
| GSM 1 Tx slot | 28.13 | 28.19 | 28.15 | 30.00 | 19.13 | 19.19 | 19.15 | 21.00 |
| GPRS 1 Tx slot | 28.16 | 28.24 | 28.22 | 30.00 | 19.16 | 19.24 | 19.22 | 21.00 |
| GPRS 2 Tx slots | 25.27 | 25.31 | 25.25 | 27.00 | 19.27 | 19.31 | 19.25 | 21.00 |
| GPRS 3 Tx slots | 23.88 | 23.96 | 23.87 | 25.20 | 19.82 | 19.70 | 19.61 | 20.94 |
| GPRS 4 Tx slots | 22.35 | 22.47 | 22.37 | 24.00 | 19.35 | 19.47 | 19.37 | 21.00 |
| EDGE 1 Tx slot | 24.79 | 24.88 | 24.82 | 26.00 | 15.79 | 15.88 | 15.82 | 17.00 |
| EDGE 2 Tx slots | 21.97 | 22.07 | 21.93 | 23.00 | 15.97 | 16.07 | 15.93 | 17.00 |
| EDGE 3 Tx slots | 19.90 | 20.03 | 19.89 | 21.20 | 15.64 | 15.77 | 15.63 | 16.94 |
| EDGE 4 Tx slots | 19.20 | 19.26 | 19.21 | 20.00 | 16.20 | 16.26 | 16.21 | 17.00 |

| Band | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) | WCDMA V | | | Tune-up Limit (dBm) | |
|-----------------|-------------------------|-------|--------|---------------------------|----------|--------|-------|---------------------------|---------|-------|-------|---------------------------|-------|
| | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | | 4132 | 4182 | 4233 | | |
| TX Channel | 9262 | 9400 | 9538 | 1312 | 1413 | 1513 | 4132 | 4182 | 4233 | | | | |
| Rx Channel | 9662 | 9800 | 9938 | 1637 | 1638 | 1738 | 4357 | 4407 | 4458 | | | | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | 826.4 | 836.4 | 846.6 | | | | |
| 3GPP Rel 99 | AMR 12.2kbps | 19.53 | 19.55 | 19.53 | 21.50 | 22.02 | 22.12 | 22.07 | 24.00 | 23.22 | 23.32 | 23.29 | 25.00 |
| 3GPP Rel 99 | RMC 12.2kbps | 19.52 | 19.67 | 19.58 | 21.50 | 22.10 | 22.19 | 22.13 | 24.00 | 23.27 | 23.36 | 23.35 | 25.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 18.55 | 18.62 | 18.50 | 20.50 | 21.15 | 21.23 | 21.20 | 23.00 | 22.36 | 22.34 | 22.35 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 18.51 | 18.59 | 18.56 | 20.50 | 21.06 | 21.09 | 21.06 | 23.00 | 22.23 | 22.35 | 22.31 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 18.04 | 18.07 | 18.15 | 20.00 | 20.60 | 20.69 | 20.65 | 22.50 | 21.76 | 21.84 | 21.88 | 23.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 18.01 | 18.07 | 18.01 | 20.00 | 20.50 | 20.61 | 20.55 | 22.50 | 21.72 | 21.85 | 21.83 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 18.59 | 18.58 | 18.52 | 20.50 | 21.04 | 21.16 | 21.09 | 23.00 | 22.28 | 22.31 | 22.34 | 24.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 18.53 | 18.53 | 18.59 | 20.50 | 21.16 | 21.13 | 21.02 | 23.00 | 22.17 | 22.29 | 22.19 | 24.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 18.07 | 18.10 | 18.02 | 20.00 | 20.56 | 20.59 | 20.52 | 22.50 | 21.73 | 21.81 | 21.86 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 18.06 | 18.24 | 18.06 | 20.00 | 20.56 | 20.60 | 20.54 | 22.50 | 21.65 | 21.82 | 21.72 | 23.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 18.60 | 18.55 | 18.57 | 20.50 | 21.01 | 21.10 | 21.01 | 23.00 | 22.15 | 22.22 | 22.19 | 24.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 16.58 | 16.53 | 16.57 | 18.50 | 19.11 | 19.16 | 19.05 | 21.00 | 20.24 | 20.38 | 20.35 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 17.61 | 17.66 | 17.68 | 19.50 | 20.13 | 20.24 | 20.24 | 22.00 | 21.39 | 21.45 | 21.43 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 16.53 | 16.50 | 16.52 | 18.50 | 19.06 | 19.03 | 19.07 | 21.00 | 20.20 | 20.24 | 20.26 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 18.55 | 18.53 | 18.63 | 20.50 | 21.05 | 21.11 | 21.04 | 23.00 | 22.14 | 22.33 | 22.18 | 24.00 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 16.07 | 16.30 | 16.08 | 18.00 | 18.62 | 18.70 | 18.63 | 20.50 | 19.78 | 20.00 | 19.84 | 21.50 |



| Band 4 Main PA Ant1 DS1 | | | | | | | | | | |
|-------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (min) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.50 | 22.57 | 22.43 | | | | |
| 20 | QPSK | 1 | 49 | 22.37 | 22.44 | 22.48 | 24 | 0 | | |
| 20 | QPSK | 1 | 99 | 22.29 | 22.34 | 22.28 | | | | |
| 20 | QPSK | 50 | 0 | 21.75 | 21.80 | 21.73 | | | | |
| 20 | QPSK | 50 | 24 | 21.65 | 21.70 | 21.73 | 23.5 | 0.5 | | |
| 20 | QPSK | 50 | 50 | 21.84 | 21.74 | 21.59 | | | | |
| 20 | QPSK | 100 | 0 | 21.72 | 21.83 | 21.68 | | | | |
| 20 | 16QAM | 1 | 0 | 21.80 | 21.87 | 21.82 | | | | |
| 20 | 16QAM | 1 | 49 | 21.71 | 21.81 | 21.77 | 23.5 | 0.5 | | |
| 20 | 16QAM | 1 | 99 | 21.72 | 21.77 | 21.68 | | | | |
| 20 | 16QAM | 50 | 0 | 20.80 | 20.84 | 20.73 | | | | |
| 20 | 16QAM | 50 | 24 | 20.71 | 20.76 | 20.87 | 22.5 | 1.5 | | |
| 20 | 16QAM | 50 | 50 | 20.69 | 20.80 | 20.69 | | | | |
| 20 | 16QAM | 100 | 0 | 20.65 | 20.84 | 20.61 | | | | |
| 20 | 64QAM | 1 | 0 | 20.82 | 20.86 | 20.71 | | | | |
| 20 | 64QAM | 1 | 49 | 20.76 | 20.80 | 20.76 | 22.5 | 1.5 | | |
| 20 | 64QAM | 50 | 0 | 19.84 | 19.79 | 19.67 | | | | |
| 20 | 64QAM | 50 | 24 | 19.58 | 19.70 | 19.58 | 21.5 | 2.5 | | |
| 20 | 64QAM | 50 | 50 | 19.72 | 19.76 | 19.68 | | | | |
| 20 | 64QAM | 100 | 0 | 19.52 | 19.67 | 19.58 | | | | |
| 20 | 256QAM | 1 | 49 | 17.80 | 17.68 | 17.56 | 19.5 | 4.5 | | |
| 20 | 256QAM | 1 | 99 | 17.57 | 17.63 | 17.54 | | | | |
| 20 | 256QAM | 50 | 0 | 17.61 | 17.67 | 17.61 | | | | |
| 20 | 256QAM | 50 | 24 | 17.54 | 17.63 | 17.52 | 19.5 | 4.5 | | |
| 20 | 256QAM | 50 | 50 | 17.66 | 17.69 | 17.66 | | | | |
| 20 | 256QAM | 100 | 0 | 17.52 | 17.61 | 17.52 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.41 | 22.48 | 22.46 | | | | |
| 15 | QPSK | 1 | 37 | 22.44 | 22.48 | 22.41 | 24 | 0 | | |
| 15 | QPSK | 1 | 74 | 22.27 | 22.38 | 22.25 | | | | |
| 15 | QPSK | 36 | 0 | 21.72 | 21.71 | 21.67 | | | | |
| 15 | QPSK | 36 | 25 | 21.56 | 21.66 | 21.69 | 23.5 | 0.5 | | |
| 15 | QPSK | 36 | 39 | 21.57 | 21.64 | 21.64 | | | | |
| 15 | QPSK | 75 | 0 | 21.59 | 21.78 | 21.58 | | | | |
| 15 | 16QAM | 1 | 0 | 21.66 | 21.86 | 21.75 | | | | |
| 15 | 16QAM | 1 | 37 | 21.60 | 21.72 | 21.72 | 23.5 | 0.5 | | |
| 15 | 16QAM | 1 | 74 | 21.66 | 21.77 | 21.67 | | | | |
| 15 | 16QAM | 36 | 0 | 20.68 | 20.67 | 20.69 | | | | |
| 15 | 16QAM | 36 | 25 | 20.65 | 20.70 | 20.63 | 22.5 | 1.5 | | |
| 15 | 16QAM | 36 | 39 | 20.68 | 20.71 | 20.68 | | | | |
| 15 | 16QAM | 75 | 0 | 20.61 | 20.70 | 20.58 | | | | |
| 15 | 64QAM | 1 | 0 | 20.70 | 20.81 | 20.60 | | | | |
| 15 | 64QAM | 1 | 37 | 20.65 | 20.76 | 20.68 | 22.5 | 1.5 | | |
| 15 | 64QAM | 1 | 74 | 20.60 | 20.65 | 20.51 | | | | |
| 15 | 64QAM | 36 | 0 | 19.55 | 19.68 | 19.62 | | | | |
| 15 | 64QAM | 36 | 25 | 19.66 | 19.75 | 19.68 | 21.5 | 2.5 | | |
| 15 | 64QAM | 36 | 39 | 19.53 | 19.71 | 19.61 | | | | |
| 15 | 64QAM | 75 | 0 | 19.66 | 19.65 | 19.54 | | | | |
| 15 | 256QAM | 1 | 37 | 17.56 | 17.52 | 17.56 | 19.5 | 4.5 | | |
| 15 | 256QAM | 1 | 74 | 17.63 | 17.66 | 17.61 | | | | |
| 15 | 256QAM | 36 | 0 | 17.61 | 17.66 | 17.59 | | | | |
| 15 | 256QAM | 36 | 25 | 17.58 | 17.58 | 17.52 | 19.5 | 4.5 | | |
| 15 | 256QAM | 36 | 39 | 17.71 | 17.70 | 17.63 | | | | |
| 15 | 256QAM | 75 | 0 | 17.56 | 17.72 | 17.56 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.60 | 22.66 | 22.60 | | | | |
| 20 | QPSK | 1 | 25 | 22.42 | 22.48 | 22.42 | 24 | 0 | | |
| 20 | QPSK | 1 | 49 | 22.19 | 22.33 | 22.22 | | | | |
| 20 | QPSK | 50 | 0 | 21.54 | 21.66 | 21.53 | | | | |
| 20 | QPSK | 50 | 24 | 21.54 | 21.73 | 21.67 | 23.5 | 0.5 | | |
| 20 | QPSK | 50 | 50 | 21.72 | 21.72 | 21.72 | | | | |
| 20 | 16QAM | 1 | 0 | 21.64 | 21.68 | 21.71 | | | | |
| 20 | 16QAM | 1 | 49 | 21.60 | 21.67 | 21.67 | 23.5 | 0.5 | | |
| 20 | 16QAM | 1 | 99 | 21.60 | 21.67 | 21.67 | | | | |
| 20 | 16QAM | 50 | 0 | 20.66 | 20.80 | 20.69 | | | | |
| 20 | 16QAM | 50 | 24 | 20.66 | 20.68 | 20.63 | 22.5 | 1.5 | | |
| 20 | 16QAM | 50 | 50 | 20.65 | 20.70 | 20.63 | | | | |
| 20 | 16QAM | 100 | 0 | 20.61 | 20.68 | 20.59 | | | | |
| 20 | 64QAM | 1 | 0 | 20.71 | 20.73 | 20.68 | | | | |
| 20 | 64QAM | 1 | 25 | 20.72 | 20.77 | 20.67 | 22.5 | 1.5 | | |
| 20 | 64QAM | 1 | 49 | 20.61 | 20.70 | 20.55 | | | | |
| 20 | 64QAM | 25 | 0 | 19.59 | 19.70 | 19.64 | | | | |
| 20 | 64QAM | 25 | 12 | 19.54 | 19.64 | 19.61 | 21.5 | 2.5 | | |
| 20 | 64QAM | 25 | 25 | 19.60 | 19.61 | 19.63 | | | | |
| 20 | 64QAM | 50 | 0 | 19.53 | 19.63 | 19.59 | | | | |
| 20 | 256QAM | 1 | 25 | 17.71 | 17.66 | 17.60 | 19.5 | 4.5 | | |
| 20 | 256QAM | 1 | 49 | 17.64 | 17.63 | 17.61 | | | | |
| 20 | 256QAM | 1 | 99 | 17.58 | 17.62 | 17.60 | | | | |
| 20 | 256QAM | 50 | 0 | 17.65 | 17.66 | 17.60 | | | | |
| 20 | 256QAM | 50 | 12 | 17.56 | 17.61 | 17.63 | 19.5 | 4.5 | | |
| 20 | 256QAM | 50 | 25 | 17.67 | 17.64 | 17.63 | | | | |
| 20 | 256QAM | 50 | 0 | 17.51 | 17.71 | 17.58 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.47 | 22.46 | 22.47 | | | | |
| 5 | QPSK | 1 | 12 | 22.42 | 22.37 | 22.35 | 24 | 0 | | |
| 5 | QPSK | 1 | 24 | 22.20 | 22.33 | 22.31 | | | | |
| 5 | QPSK | 12 | 0 | 21.65 | 21.64 | 21.64 | | | | |
| 5 | QPSK | 12 | 7 | 21.58 | 21.64 | 21.67 | 23.5 | 0.5 | | |
| 5 | QPSK | 12 | 13 | 21.63 | 21.60 | 21.52 | | | | |
| 5 | QPSK | 25 | 0 | 21.67 | 21.67 | 21.67 | | | | |
| 5 | 16QAM | 1 | 0 | 21.74 | 21.79 | 21.74 | | | | |
| 5 | 16QAM | 1 | 12 | 21.60 | 21.72 | 21.74 | 23.5 | 0.5 | | |
| 5 | 16QAM | 1 | 24 | 21.67 | 21.65 | 21.65 | | | | |
| 5 | 16QAM | 12 | 0 | 20.65 | 20.61 | 20.66 | | | | |
| 5 | 16QAM | 12 | 7 | 20.63 | 20.71 | 20.56 | 22.5 | 1.5 | | |
| 5 | 16QAM | 12 | 13 | 20.64 | 20.72 | 20.63 | | | | |
| 5 | 16QAM | 25 | 0 | 20.57 | 20.61 | 20.67 | | | | |
| 5 | 64QAM | 1 | 0 | 20.72 | 20.72 | 20.59 | | | | |
| 5 | 64QAM | 1 | 12 | 20.69 | 20.71 | 20.61 | 22.5 | 1.5 | | |
| 5 | 64QAM | 1 | 24 | 20.57 | 20.64 | 20.66 | | | | |
| 5 | 64QAM | 12 | 0 | 19.50 | 19.65 | 19.58 | | | | |
| 5 | 64QAM | 12 | 7 | 19.53 | 19.62 | 19.60 | 21.5 | 2.5 | | |
| 5 | 64QAM | 12 | 13 | 19.64 | 19.64 | 19.56 | | | | |
| 5 | 64QAM | 25 | 0 | 19.57 | 19.65 | 19.62 | | | | |
| 5 | 256QAM | 1 | 0 | 17.65 | 17.77 | 17.60 | 19.5 | 4.5 | | |
| 5 | 256QAM | 1 | 12 | 17.64 | 17.73 | 17.61 | | | | |
| 5 | 256QAM | 1 | 24 | 17.56 | 17.60 | 17.57 | | | | |
| 5 | 256QAM | 12 | 0 | 17.65 | 17.76 | 17.66 | | | | |
| 5 | 256QAM | 12 | 7 | 17.60 | 17.63 | 17.63 | 19.5 | 4.5 | | |
| 5 | 256QAM | 12 | 13 | 17.69 | 17.75 | 17.65 | | | | |
| 5 | 256QAM | 25 | 0 | 17.55 | 17.66 | 17.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 22.50 | 22.54 | 22.43 | | | | |
| 1.4 | QPSK | 1 | 8 | 22.33 | 22.43 | 22.44 | 24 | 0 | | |
| 1.4 | QPSK | 1 | 14 | 22.20 | 22.36 | 22.25 | | | | |
| 1.4 | QPSK | 8 | 0 | 21.65 | 21.66 | 21.63 | | | | |
| 1.4 | QPSK | 8 | 4 | 21.60 | 21.71 | 21.69 | 23.5 | 0.5 | | |
| 1.4 | QPSK | 8 | 7 | 21.60 | 21.71 | 21.58 | | | | |
| 1.4 | QPSK | 15 | 0 | 21.56 | 21.67 | 21.63 | | | | |
| 1.4 | 16QAM | 1 | 0 | 21.75 | 21.82 | 21.70 | | | | |
| 1.4 | 16QAM | 1 | 8 | 21.62 | 21.74 | 21.68 | 23.5 | 0.5 | | |
| 1.4 | 16QAM | 1 | 16 | 21.68 | 21.72 | 21.67 | | | | |
| 1.4 | 16QAM | 8 | 0 | 20.73 | 20.77 | 20.64 | | | | |
| 1.4 | 16QAM | 8 | 4 | 20.60 | 20.63 | 20.63 | 22.5 | 1.5 | | |
| 1.4 | 16QAM | 8 | 7 | 20.64 | 20.71 | 20.63 | | | | |
| 1.4 | 16QAM | 15 | 0 | 20.52 | 20.66 | 20.56 | | | | |
| 1.4 | 64QAM | 1 | 0 | 20.73 | 20.79 | 20.61 | | | | |
| 1.4 | 64QAM | 1 | 8 | 20.66 | 20.66 | 20.71 | 22.5 | 1.5 | | |
| 1.4 | 64QAM | 1 | 14 | 20.51 | 20.62 | 20.64 | | | | |
| 1.4 | 64QAM | 8 | 0 | 19.68 | 19.79 | | | | | |



| Band 13 Main PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 752 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.60 | 23.60 | 23.60 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.85 | 23.85 | 23.85 | | | | |
| 10 | QPSK | 25 | 0 | 23.60 | 23.60 | 23.60 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 49 | 23.85 | 23.85 | 23.85 | | | | |
| 10 | QPSK | 25 | 25 | 22.79 | 22.79 | 22.79 | | | | |
| 10 | QPSK | 50 | 0 | 22.67 | 22.67 | 22.67 | 24.5 | 1 | | |
| 10 | QPSK | 50 | 49 | 22.86 | 22.86 | 22.86 | | | | |
| 10 | 16QAM | 1 | 25 | 22.79 | 22.79 | 22.79 | | | | |
| 10 | 16QAM | 1 | 49 | 22.75 | 22.75 | 22.75 | | | | |
| 10 | 16QAM | 1 | 25 | 21.81 | 21.81 | 21.81 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.85 | 21.85 | 21.85 | | | | |
| 10 | 16QAM | 50 | 0 | 21.79 | 21.79 | 21.79 | | | | |
| 10 | 16QAM | 1 | 0 | 22.07 | 22.07 | 22.07 | | | | |
| 10 | 64QAM | 1 | 25 | 22.01 | 22.01 | 22.01 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.97 | 21.97 | 21.97 | | | | |
| 10 | 64QAM | 25 | 0 | 20.87 | 20.87 | 20.87 | | | | |
| 10 | 64QAM | 25 | 12 | 20.76 | 20.76 | 20.76 | 22.5 | 3 | | |
| 10 | 64QAM | 50 | 0 | 20.75 | 20.75 | 20.75 | | | | |
| 10 | 256QAM | 1 | 0 | 18.94 | 18.94 | 18.94 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.88 | 18.88 | 18.88 | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.88 | 18.88 | | | | |
| 10 | 256QAM | 25 | 12 | 18.78 | 18.78 | 18.78 | 20.5 | 5 | | |
| 10 | 256QAM | 50 | 0 | 18.84 | 18.84 | 18.84 | | | | |
| 10 | 256QAM | 50 | 49 | 18.81 | 18.81 | 18.81 | | | | |
| Channel | | | | | | | | | | |
| 2305 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.84 | 23.84 | 23.84 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 16 | 23.87 | 23.87 | 23.87 | | | | |
| 5 | QPSK | 1 | 24 | 23.78 | 23.80 | 23.77 | | | | |
| 5 | QPSK | 12 | 0 | 22.87 | 22.78 | 22.89 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.72 | 22.70 | 22.73 | | | | |
| 5 | QPSK | 12 | 13 | 22.73 | 22.72 | 22.68 | | | | |
| 5 | QPSK | 25 | 0 | 22.84 | 22.71 | 22.78 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.74 | 22.71 | 22.78 | | | | |
| 5 | 16QAM | 1 | 12 | 22.65 | 22.71 | 22.72 | | | | |
| 5 | 16QAM | 12 | 7 | 21.73 | 21.70 | 21.73 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.78 | 21.84 | 21.78 | | | | |
| 5 | 16QAM | 25 | 0 | 21.69 | 21.68 | 21.74 | | | | |
| 5 | 64QAM | 1 | 0 | 21.69 | 21.68 | 21.64 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 21.94 | 21.82 | 21.83 | | | | |
| 5 | 64QAM | 12 | 0 | 20.74 | 20.74 | 20.78 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.67 | 20.63 | 20.65 | | | | |
| 5 | 64QAM | 12 | 13 | 20.76 | 20.73 | 20.70 | | | | |
| 5 | 64QAM | 25 | 0 | 20.68 | 20.64 | 20.60 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 0 | 18.84 | 18.81 | 18.84 | | | | |
| 5 | 256QAM | 1 | 12 | 18.77 | 18.87 | 18.82 | | | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.72 | 18.78 | | | | |
| 5 | 256QAM | 12 | 0 | 18.74 | 18.76 | 18.84 | | | | |
| 5 | 256QAM | 12 | 7 | 18.72 | 18.73 | 18.84 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.69 | 18.76 | 18.79 | | | | |
| 5 | 256QAM | 25 | 0 | 18.71 | 18.70 | 18.68 | | | | |

| Band 26 Main PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 821.5 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.70 | 23.77 | 23.66 | 25.5 | 0 | | |
| 15 | QPSK | 1 | 31 | 23.81 | 23.84 | 23.82 | | | | |
| 15 | QPSK | 1 | 74 | 23.81 | 23.84 | 23.82 | | | | |
| 15 | QPSK | 36 | 0 | 22.62 | 22.74 | 22.66 | 24.5 | 1 | | |
| 15 | QPSK | 36 | 29 | 22.63 | 22.63 | 22.64 | | | | |
| 15 | QPSK | 36 | 38 | 22.54 | 22.63 | 22.58 | | | | |
| 15 | QPSK | 75 | 0 | 22.60 | 22.67 | 22.60 | 24.5 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.66 | 22.67 | 22.72 | | | | |
| 15 | 16QAM | 1 | 37 | 22.81 | 22.78 | 22.83 | | | | |
| 15 | 16QAM | 1 | 74 | 22.67 | 22.71 | 22.60 | 23.5 | 2 | | |
| 15 | 16QAM | 36 | 0 | 22.63 | 22.76 | 22.62 | | | | |
| 15 | 16QAM | 36 | 20 | 21.83 | 21.88 | 21.98 | | | | |
| 15 | 16QAM | 36 | 39 | 21.88 | 21.72 | 21.89 | | | | |
| 15 | 16QAM | 75 | 0 | 21.84 | 21.89 | 21.88 | 23.5 | 2 | | |
| 15 | 64QAM | 1 | 0 | 21.82 | 21.92 | 21.84 | | | | |
| 15 | 64QAM | 1 | 37 | 21.78 | 21.86 | 21.80 | | | | |
| 15 | 64QAM | 1 | 74 | 21.73 | 21.82 | 21.81 | 22.5 | 3 | | |
| 15 | 64QAM | 36 | 0 | 20.84 | 20.89 | 20.79 | | | | |
| 15 | 64QAM | 36 | 20 | 20.74 | 20.89 | 20.72 | | | | |
| 15 | 64QAM | 36 | 39 | 20.72 | 20.86 | 20.70 | 22.5 | 3 | | |
| 15 | 64QAM | 75 | 0 | 20.69 | 20.77 | 20.67 | | | | |
| 15 | 256QAM | 1 | 0 | 18.61 | 18.76 | 18.63 | 20.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.58 | 18.72 | 18.64 | | | | |
| 15 | 256QAM | 1 | 74 | 18.64 | 18.67 | 18.60 | | | | |
| 15 | 256QAM | 12 | 0 | 18.59 | 18.64 | 18.62 | | | | |
| 15 | 256QAM | 12 | 20 | 18.54 | 18.58 | 18.51 | 20.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.60 | 18.62 | 18.55 | | | | |
| 15 | 256QAM | 75 | 0 | 18.60 | 18.63 | 18.56 | | | | |
| Channel | | | | | | | | | | |
| 810 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.60 | 23.74 | 23.62 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 29 | 23.68 | 23.64 | 23.62 | | | | |
| 10 | QPSK | 1 | 49 | 23.55 | 23.70 | 23.56 | | | | |
| 10 | QPSK | 26 | 0 | 22.63 | 22.67 | 22.70 | 24.5 | 1 | | |
| 10 | QPSK | 26 | 29 | 22.69 | 22.68 | 22.64 | | | | |
| 10 | QPSK | 26 | 29 | 22.59 | 22.56 | 22.58 | | | | |
| 10 | QPSK | 50 | 0 | 22.66 | 22.69 | 22.66 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.74 | 22.81 | 22.70 | | | | |
| 10 | 16QAM | 1 | 29 | 22.59 | 22.81 | 22.82 | | | | |
| 10 | 16QAM | 1 | 49 | 21.65 | 21.82 | 21.86 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 0 | 21.61 | 21.62 | 21.58 | | | | |
| 10 | 16QAM | 25 | 12 | 21.67 | 21.65 | 21.53 | | | | |
| 10 | 16QAM | 36 | 0 | 21.51 | 21.64 | 21.62 | 22.5 | 3 | | |
| 10 | 16QAM | 36 | 0 | 21.72 | 21.77 | 21.80 | | | | |
| 10 | 64QAM | 1 | 0 | 21.65 | 21.72 | 21.67 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 24 | 21.61 | 21.75 | 21.59 | | | | |
| 10 | 64QAM | 25 | 0 | 20.71 | 20.76 | 20.68 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 20.66 | 20.69 | 20.65 | | | | |
| 10 | 64QAM | 25 | 25 | 20.58 | 20.50 | 20.51 | | | | |
| 10 | 64QAM | 50 | 0 | 20.56 | 20.68 | 20.63 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 0 | 18.67 | 18.79 | 18.71 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 29 | 18.61 | 18.70 | 18.57 | | | | |
| 10 | 256QAM | 12 | 0 | 18.54 | 18.58 | 18.55 | | | | |
| 10 | 256QAM | 25 | 12 | 18.54 | 18.50 | 18.57 | 20.5 | 5 | | |
| 10 | 256QAM | 36 | 39 | 18.58 | 18.61 | 18.54 | | | | |
| 10 | 256QAM | 75 | 0 | 18.66 | 18.65 | 18.62 | | | | |
| Channel | | | | | | | | | | |
| 816.5 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.59 | 23.63 | 23.55 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.59 | 23.63 | 23.55 | | | | |
| 5 | QPSK | 1 | 24 | 23.55 | 23.65 | 23.52 | | | | |
| 5 | QPSK | 1 | 49 | 23.50 | 23.61 | 23.50 | | | | |
| 5 | QPSK | 12 | 0 | 22.53 | 22.74 | 22.54 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 22.56 | 22.62 | 22.58 | | | | |
| 5 | QPSK | 25 | 0 | 22.65 | 22.65 | 22.65 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.64 | 22.78 | 22.79 | | | | |
| 5 | 16QAM | 1 | 12 | 22.59 | 22.76 | 22.67 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 21.69 | 21.77 | 21.64 | | | | |
| 5 | 16QAM | 12 | 0 | 21.66 | 21.69 | 21.62 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.66 | 21.69 | 21.51 | | | | |
| 5 | 16QAM | 12 | 13 | 21.67 | 21.71 | 21.63 | | | | |
| 5 | 16QAM | 25 | 0 | 21.54 | 21.68 | 21.62 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 0 | 21.72 | 21.80 | 21.75 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.73 | 21.73 | 21.73 | | | | |
| 5 | 64QAM | 1 | 24 | 21.66 | 21.77 | 21.61 | | | | |
| 5 | 64QAM | 12 | 0 | 20.81 | 20.79 | 20.75 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.80 | 20.80 | 20.85 | | | | |
| 5 | 64QAM | 12 | 13 | 20.58 | 20.71 | 20.64 | | | | |
| 5 | 64QAM | 25 | 0 | 20.56 | 20.69 | 20.67 | 20.5 | 5 | | |



| Band 38 Main PA Ant1 DSI1 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.22 | 22.22 | 22.22 | 23.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 22.10 | 22.20 | 22.20 | | | | |
| 20 | QPSK | 50 | 0 | 22.22 | 22.22 | 22.22 | | | | |
| 20 | QPSK | 50 | 24 | 22.17 | 22.22 | 22.20 | 23.5 | 0 | | |
| 20 | QPSK | 100 | 0 | 22.17 | 22.18 | 22.15 | | | | |
| 20 | 16QAM | 1 | 0 | 22.09 | 22.18 | 22.12 | 23.5 | 0 | | |
| 20 | 16QAM | 1 | 49 | 21.97 | 22.13 | 22.03 | | | | |
| 20 | 16QAM | 1 | 99 | 22.02 | 22.15 | 22.11 | | | | |
| 20 | 16QAM | 50 | 0 | 21.99 | 21.90 | 21.76 | | | | |
| 20 | 16QAM | 50 | 24 | 21.77 | 21.84 | 21.89 | 23 | 0.5 | | |
| 20 | 16QAM | 100 | 0 | 21.77 | 21.89 | 21.77 | | | | |
| 20 | 64QAM | 1 | 0 | 21.45 | 21.54 | 21.45 | | | | |
| 20 | 64QAM | 1 | 49 | 21.43 | 21.55 | 21.42 | 23 | 0.5 | | |
| 20 | 64QAM | 1 | 99 | 21.33 | 21.45 | 21.34 | | | | |
| 20 | 64QAM | 50 | 0 | 20.78 | 20.91 | 20.84 | | | | |
| 20 | 64QAM | 50 | 24 | 20.74 | 20.78 | 20.89 | | | | |
| 20 | 64QAM | 50 | 50 | 20.74 | 20.79 | 20.71 | 22 | 1.5 | | |
| 20 | 64QAM | 100 | 0 | 20.61 | 20.68 | 20.67 | | | | |
| 20 | 256QAM | 1 | 0 | 18.51 | 18.55 | 18.56 | | | | |
| 20 | 256QAM | 1 | 49 | 18.48 | 18.56 | 18.52 | | | | |
| 20 | 256QAM | 1 | 99 | 18.48 | 18.52 | 18.57 | 20 | 3.5 | | |
| 20 | 256QAM | 50 | 0 | 18.48 | 18.57 | 18.51 | | | | |
| 20 | 256QAM | 50 | 24 | 18.54 | 18.57 | 18.73 | 20 | 3.5 | | |
| 20 | 256QAM | 50 | 50 | 18.51 | 18.56 | 18.89 | | | | |
| 20 | 256QAM | 100 | 0 | 18.52 | 18.75 | 18.74 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.12 | 22.12 | 22.03 | 23.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 22.12 | 22.25 | 22.07 | | | | |
| 15 | QPSK | 1 | 74 | 21.97 | 22.12 | 22.00 | | | | |
| 15 | QPSK | 36 | 0 | 22.26 | 22.20 | 22.05 | | | | |
| 15 | QPSK | 36 | 20 | 22.12 | 22.24 | 22.11 | 23.5 | 0 | | |
| 15 | QPSK | 75 | 0 | 22.20 | 22.25 | 22.15 | | | | |
| 15 | 16QAM | 1 | 0 | 22.03 | 22.21 | 22.18 | 23.5 | 0 | | |
| 15 | 16QAM | 1 | 37 | 22.03 | 22.09 | 22.06 | | | | |
| 15 | 16QAM | 1 | 74 | 22.03 | 22.09 | 22.06 | | | | |
| 15 | 16QAM | 36 | 0 | 21.74 | 21.86 | 21.71 | | | | |
| 15 | 16QAM | 36 | 20 | 21.62 | 21.82 | 21.73 | 23 | 0.5 | | |
| 15 | 16QAM | 36 | 59 | 21.70 | 21.76 | 21.84 | | | | |
| 15 | 16QAM | 75 | 0 | 21.88 | 21.80 | 21.84 | | | | |
| 15 | 64QAM | 1 | 0 | 21.36 | 21.50 | 21.34 | | | | |
| 15 | 64QAM | 1 | 37 | 21.34 | 21.41 | 21.38 | 23 | 0.5 | | |
| 15 | 64QAM | 1 | 74 | 21.27 | 21.33 | 21.24 | | | | |
| 15 | 64QAM | 36 | 0 | 20.63 | 20.66 | 20.78 | | | | |
| 15 | 64QAM | 36 | 20 | 20.69 | 20.71 | 20.59 | 22 | 1.5 | | |
| 15 | 64QAM | 36 | 59 | 20.67 | 20.72 | 20.64 | | | | |
| 15 | 64QAM | 75 | 0 | 20.25 | 20.35 | 20.45 | | | | |
| 15 | 256QAM | 1 | 0 | 18.39 | 18.51 | 18.42 | | | | |
| 15 | 256QAM | 1 | 37 | 18.35 | 18.52 | 18.45 | 20 | 3.5 | | |
| 15 | 256QAM | 1 | 74 | 18.45 | 18.57 | 18.51 | | | | |
| 15 | 256QAM | 36 | 0 | 18.54 | 18.55 | 18.58 | | | | |
| 15 | 256QAM | 36 | 20 | 18.54 | 18.53 | 18.61 | 20 | 3.5 | | |
| 15 | 256QAM | 36 | 59 | 18.86 | 18.86 | 18.86 | | | | |
| 15 | 256QAM | 75 | 0 | 18.80 | 18.88 | 18.86 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.18 | 22.18 | 22.16 | 23.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 22.11 | 22.19 | 22.02 | | | | |
| 10 | QPSK | 1 | 49 | 22.01 | 22.13 | 22.07 | | | | |
| 10 | QPSK | 25 | 0 | 22.26 | 22.25 | 22.06 | | | | |
| 10 | QPSK | 25 | 12 | 22.18 | 22.18 | 22.07 | 23.5 | 0 | | |
| 10 | QPSK | 25 | 25 | 22.00 | 22.24 | 22.12 | | | | |
| 10 | 16QAM | 1 | 0 | 22.11 | 22.16 | 22.14 | 23.5 | 0 | | |
| 10 | 16QAM | 1 | 25 | 21.98 | 22.19 | 22.04 | | | | |
| 10 | 16QAM | 1 | 49 | 21.96 | 22.19 | 22.06 | | | | |
| 10 | 16QAM | 25 | 0 | 21.79 | 21.82 | 21.70 | | | | |
| 10 | 16QAM | 25 | 12 | 21.68 | 21.76 | 21.64 | | | | |
| 10 | 16QAM | 25 | 25 | 21.73 | 21.80 | 21.89 | 23 | 0.5 | | |
| 10 | 64QAM | 1 | 0 | 21.44 | 21.50 | 21.38 | | | | |
| 10 | 64QAM | 1 | 25 | 21.30 | 21.43 | 21.30 | 23 | 0.5 | | |
| 10 | 64QAM | 1 | 49 | 21.27 | 21.31 | 21.27 | | | | |
| 10 | 64QAM | 25 | 0 | 20.70 | 20.78 | 20.78 | | | | |
| 10 | 64QAM | 25 | 12 | 20.62 | 20.63 | 20.57 | 22 | 1.5 | | |
| 10 | 64QAM | 25 | 25 | 20.60 | 20.67 | 20.61 | | | | |
| 10 | 256QAM | 1 | 0 | 18.42 | 18.59 | 18.47 | | | | |
| 10 | 256QAM | 1 | 25 | 18.45 | 18.61 | 18.47 | 20 | 3.5 | | |
| 10 | 256QAM | 1 | 49 | 18.43 | 18.48 | 18.51 | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.88 | 18.77 | | | | |
| 10 | 256QAM | 25 | 12 | 18.77 | 18.83 | 18.66 | 20 | 3.5 | | |
| 10 | 256QAM | 25 | 25 | 18.87 | 18.86 | 18.76 | | | | |
| 10 | 256QAM | 50 | 0 | 18.88 | 18.71 | 18.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.26 | 22.22 | 22.11 | 23.5 | 0 | | |
| 5 | QPSK | 1 | 19 | 22.10 | 22.24 | 22.11 | | | | |
| 5 | QPSK | 1 | 24 | 21.94 | 22.08 | 22.04 | | | | |
| 5 | QPSK | 12 | 0 | 22.29 | 22.16 | 22.04 | | | | |
| 5 | QPSK | 12 | 7 | 22.21 | 22.20 | 22.00 | 23.5 | 0 | | |
| 5 | QPSK | 12 | 19 | 21.97 | 22.13 | 22.15 | | | | |
| 5 | QPSK | 25 | 0 | 22.21 | 22.25 | 22.16 | | | | |
| 5 | 16QAM | 1 | 0 | 22.09 | 22.14 | 22.07 | | | | |
| 5 | 16QAM | 1 | 12 | 22.03 | 22.17 | 22.03 | 23.5 | 0 | | |
| 5 | 16QAM | 1 | 24 | 22.04 | 22.10 | 22.14 | | | | |
| 5 | 16QAM | 12 | 0 | 21.74 | 21.88 | 21.85 | | | | |
| 5 | 16QAM | 12 | 7 | 21.64 | 21.79 | 21.66 | 23 | 0.5 | | |
| 5 | 16QAM | 12 | 13 | 21.74 | 21.78 | 21.72 | | | | |
| 5 | 16QAM | 25 | 0 | 21.74 | 21.74 | 21.72 | | | | |
| 5 | 64QAM | 1 | 0 | 21.30 | 21.43 | 21.38 | | | | |
| 5 | 64QAM | 1 | 12 | 21.30 | 21.42 | 21.38 | 23 | 0.5 | | |
| 5 | 64QAM | 1 | 24 | 21.27 | 21.32 | 21.22 | | | | |
| 5 | 64QAM | 12 | 0 | 20.73 | 20.84 | 20.86 | | | | |
| 5 | 64QAM | 12 | 7 | 20.67 | 20.74 | 20.55 | 22 | 1.5 | | |
| 5 | 64QAM | 12 | 13 | 20.69 | 20.74 | 20.67 | | | | |
| 5 | 64QAM | 25 | 0 | 20.74 | 20.74 | 20.45 | | | | |
| 5 | 256QAM | 1 | 0 | 18.40 | 18.57 | 18.45 | | | | |
| 5 | 256QAM | 1 | 12 | 18.54 | 18.58 | 18.41 | 20 | 3.5 | | |
| 5 | 256QAM | 1 | 24 | 18.37 | 18.58 | 18.43 | | | | |
| 5 | 256QAM | 12 | 0 | 18.87 | 18.83 | 18.72 | | | | |
| 5 | 256QAM | 12 | 7 | 18.80 | 18.84 | 18.60 | 20 | 3.5 | | |
| 5 | 256QAM | 12 | 13 | 18.85 | 18.89 | 18.77 | | | | |
| 5 | 256QAM | 25 | 0 | 18.83 | 18.88 | 18.61 | | | | |

| Band 41 Main PA Ant1 DSI1 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.20 | 22.20 | 22.21 | 23 | 0 | | |
| 20 | QPSK | 1 | 49 | 22.19 | 22.20 | 22.20 | | | | |
| 20 | QPSK | 50 | 0 | 22.20 | 22.20 | 22.20 | | | | |
| 20 | QPSK | 50 | 24 | 22.15 | 22.27 | 22.20 | 23 | 0 | | |
| 20 | QPSK | 100 | 0 | 22.14 | 22.25 | 22.34 | | | | |
| 20 | 16QAM | 1 | 0 | 22.19 | 22.19 | 22.26 | 23 | 0 | | |
| 20 | 16QAM | 1 | 49 | 22.08 | 22.25 | 22.22 | | | | |
| 20 | 16QAM | 1 | 99 | 22.10 | 22.27 | 22.21 | | | | |
| 20 | 16QAM | 50 | 0 | 21.88 | 21.94 | 22.01 | | | | |
| 20 | 16QAM | 50 | 24 | 21.81 | 21.92 | 21.89 | 22.5 | 0.5 | | |
| 20 | 16QAM | 50 | 50 | 21.88 | 21.84 | 22.05 | | | | |
| 20 | 16QAM | 100 | 0 | 21.88 | 21.87 | 21.88 | | | | |
| 20 | 64QAM | 1 | 0 | 21.50 | 21.54 | 21.61 | | | | |
| 20 | 64QAM | 1 | 49 | 21.48 | 21.57 | 21.62 | 22.5 | 0.5 | | |
| 20 | 64QAM | 1 | 99 | 21.47 | 21.47 | 21.52 | | | | |
| 20 | 64QAM | 50 | 0 | 20.91 | 20.98 | 21.02 | | | | |
| 20 | 64QAM | 50 | 24 | 20.78 | 20.81 | 20.89 | | | | |
| 20 | 64QAM | 50 | 50 | 20.78 | 20.85 | 20.87 | 21.5 | 1.5 | | |
| 20 | 64QAM | 100 | 0 | 20.71 | 20.68 | 20.61 | | | | |
| | | | | | | | | | | |



| Band 42 FCC Part27Q Main PA Ant1 DS1 | | | | | | | | | | |
|--------------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | 42190 | 42690 | 42990 | | | | |
| Frequency (MHz) | | | | 3642 | 3700 | 3642 | | | | |
| 20 | QPSK | 1 | 0 | 20.44 | 20.45 | 20.42 | | | | |
| 20 | QPSK | 1 | 49 | 20.34 | 20.45 | 20.32 | 22 | 0 | | |
| 20 | QPSK | 1 | 99 | 20.35 | 20.35 | 20.33 | | | | |
| 20 | QPSK | 50 | 0 | 20.39 | 20.40 | 20.42 | | | | |
| 20 | QPSK | 50 | 24 | 20.33 | 20.37 | 20.34 | 22 | 0 | | |
| 20 | QPSK | 100 | 0 | 20.31 | 20.34 | 20.34 | | | | |
| 20 | QPSK | 100 | 0 | 20.42 | 20.51 | 20.33 | | | | |
| 20 | 16QAM | 1 | 0 | 20.34 | 20.37 | 20.29 | | | | |
| 20 | 16QAM | 1 | 49 | 20.41 | 20.42 | 20.23 | 22 | 0 | | |
| 20 | 16QAM | 1 | 99 | 20.35 | 20.40 | 20.38 | | | | |
| 20 | 16QAM | 50 | 0 | 20.39 | 20.46 | 20.30 | | | | |
| 20 | 16QAM | 50 | 24 | 20.40 | 20.38 | 20.34 | 22 | 0 | | |
| 20 | 16QAM | 50 | 50 | 20.45 | 20.48 | 20.34 | | | | |
| 20 | 16QAM | 100 | 0 | 20.32 | 20.44 | 20.29 | | | | |
| 20 | 16QAM | 100 | 0 | 20.31 | 20.45 | 20.29 | | | | |
| 20 | 16QAM | 1 | 49 | 20.40 | 20.38 | 20.38 | 22 | 0 | | |
| 20 | 16QAM | 1 | 99 | 20.30 | 20.38 | 20.29 | | | | |
| 20 | 16QAM | 50 | 0 | 20.37 | 20.36 | 20.25 | | | | |
| 20 | 16QAM | 50 | 24 | 20.40 | 20.47 | 20.42 | 22 | 0 | | |
| 20 | 16QAM | 50 | 50 | 20.34 | 20.37 | 20.33 | | | | |
| 20 | 16QAM | 100 | 0 | 20.37 | 20.43 | 20.29 | | | | |
| 20 | 25QAM | 1 | 0 | 18.18 | 18.27 | 18.22 | | | | |
| 20 | 25QAM | 1 | 49 | 18.20 | 18.23 | 18.21 | 20 | 2 | | |
| 20 | 25QAM | 1 | 99 | 18.21 | 18.26 | 18.17 | | | | |
| 20 | 25QAM | 50 | 0 | 18.20 | 18.26 | 18.14 | | | | |
| 20 | 25QAM | 50 | 24 | 18.11 | 18.21 | 18.20 | 20 | 2 | | |
| 20 | 25QAM | 50 | 50 | 18.19 | 18.24 | 18.12 | | | | |
| 20 | 25QAM | 100 | 0 | 18.23 | 18.23 | 18.23 | | | | |
| Channel | | | | 42165 | 42690 | 43015 | | | | |
| Frequency (MHz) | | | | 3623 | 3700 | 3623 | | | | |
| 15 | QPSK | 1 | 0 | 20.33 | 20.40 | 20.42 | | | | |
| 15 | QPSK | 1 | 37 | 20.38 | 20.42 | 20.32 | 22 | 0 | | |
| 15 | QPSK | 1 | 74 | 20.37 | 20.37 | 20.30 | | | | |
| 15 | QPSK | 36 | 0 | 20.35 | 20.48 | 20.33 | | | | |
| 15 | QPSK | 36 | 20 | 20.33 | 20.45 | 20.26 | 22 | 0 | | |
| 15 | QPSK | 36 | 38 | 20.39 | 20.38 | 20.29 | | | | |
| 15 | QPSK | 75 | 0 | 20.38 | 20.41 | 20.37 | | | | |
| 15 | 16QAM | 1 | 0 | 20.41 | 20.38 | 20.33 | | | | |
| 15 | 16QAM | 1 | 37 | 20.39 | 20.34 | 20.24 | 22 | 0 | | |
| 15 | 16QAM | 1 | 74 | 20.40 | 20.41 | 20.38 | | | | |
| 15 | 16QAM | 36 | 0 | 20.39 | 20.42 | 20.27 | | | | |
| 15 | 16QAM | 36 | 20 | 20.30 | 20.44 | 20.29 | 22 | 0 | | |
| 15 | 16QAM | 36 | 38 | 20.38 | 20.50 | 20.34 | | | | |
| 15 | 16QAM | 75 | 0 | 20.37 | 20.46 | 20.27 | | | | |
| 15 | 16QAM | 75 | 0 | 20.39 | 20.44 | 20.29 | | | | |
| 15 | 16QAM | 1 | 37 | 20.41 | 20.47 | 20.38 | 22 | 0 | | |
| 15 | 16QAM | 1 | 74 | 20.34 | 20.45 | 20.26 | | | | |
| 15 | 16QAM | 36 | 0 | 20.36 | 20.40 | 20.25 | | | | |
| 15 | 16QAM | 36 | 20 | 20.40 | 20.42 | 20.43 | 22 | 0 | | |
| 15 | 16QAM | 36 | 38 | 20.38 | 20.42 | 20.25 | | | | |
| 15 | 16QAM | 75 | 0 | 20.30 | 20.42 | 20.25 | | | | |
| 15 | 25QAM | 1 | 0 | 18.13 | 18.24 | 18.08 | | | | |
| 15 | 25QAM | 1 | 37 | 18.16 | 18.24 | 18.15 | 20 | 2 | | |
| 15 | 25QAM | 1 | 74 | 18.18 | 18.20 | 18.08 | | | | |
| 15 | 25QAM | 36 | 0 | 18.09 | 18.26 | 18.21 | | | | |
| 15 | 25QAM | 36 | 20 | 18.01 | 18.09 | 18.08 | 20 | 2 | | |
| 15 | 25QAM | 36 | 38 | 18.07 | 18.16 | 18.10 | | | | |
| 15 | 25QAM | 75 | 0 | 18.16 | 18.18 | 18.09 | | | | |
| Channel | | | | 42165 | 42690 | 43015 | | | | |
| Frequency (MHz) | | | | 3655 | 3700 | 3645 | | | | |
| 10 | QPSK | 1 | 0 | 20.34 | 20.40 | 20.37 | | | | |
| 10 | QPSK | 1 | 25 | 20.33 | 20.37 | 20.31 | 22 | 0 | | |
| 10 | QPSK | 1 | 49 | 20.38 | 20.41 | 20.27 | | | | |
| 10 | QPSK | 12 | 0 | 20.35 | 20.46 | 20.38 | | | | |
| 10 | QPSK | 25 | 12 | 20.37 | 20.30 | 20.31 | 22 | 0 | | |
| 10 | QPSK | 25 | 25 | 20.39 | 20.35 | 20.21 | | | | |
| 10 | QPSK | 1 | 0 | 20.37 | 20.42 | 20.42 | | | | |
| 10 | 16QAM | 1 | 0 | 20.33 | 20.40 | 20.28 | | | | |
| 10 | 16QAM | 1 | 25 | 20.30 | 20.38 | 20.29 | 22 | 0 | | |
| 10 | 16QAM | 1 | 49 | 20.45 | 20.47 | 20.42 | | | | |
| 10 | 16QAM | 25 | 0 | 20.39 | 20.36 | 20.24 | | | | |
| 10 | 16QAM | 25 | 12 | 20.38 | 20.43 | 20.31 | 22 | 0 | | |
| 10 | 16QAM | 25 | 25 | 20.31 | 20.41 | 20.41 | | | | |
| 10 | 16QAM | 1 | 0 | 20.39 | 20.36 | 20.24 | | | | |
| 10 | 16QAM | 1 | 25 | 20.38 | 20.41 | 20.41 | 22 | 0 | | |
| 10 | 16QAM | 1 | 49 | 20.31 | 20.47 | 20.21 | | | | |
| 10 | 16QAM | 25 | 0 | 20.31 | 20.35 | 20.29 | | | | |
| 10 | 16QAM | 25 | 12 | 20.39 | 20.50 | 20.25 | 22 | 0 | | |
| 10 | 16QAM | 25 | 25 | 20.39 | 20.46 | 20.28 | | | | |
| 10 | 16QAM | 50 | 0 | 20.33 | 20.45 | 20.33 | | | | |
| 10 | 25QAM | 1 | 0 | 18.03 | 18.12 | 18.08 | | | | |
| 10 | 25QAM | 1 | 25 | 18.09 | 18.20 | 18.06 | 20 | 2 | | |
| 10 | 25QAM | 1 | 49 | 18.14 | 18.19 | 18.08 | | | | |
| 10 | 25QAM | 25 | 0 | 18.14 | 18.25 | 18.05 | | | | |
| 10 | 25QAM | 25 | 12 | 18.00 | 18.11 | 18.05 | 20 | 2 | | |
| 10 | 25QAM | 25 | 25 | 18.16 | 18.14 | 18.01 | | | | |
| 10 | 25QAM | 50 | 0 | 18.14 | 18.12 | 18.07 | | | | |
| Channel | | | | 42115 | 42690 | 42975 | | | | |
| Frequency (MHz) | | | | 3655 | 3700 | 3645 | | | | |
| 5 | QPSK | 1 | 0 | 20.44 | 20.50 | 20.41 | | | | |
| 5 | QPSK | 1 | 12 | 20.33 | 20.41 | 20.25 | 22 | 0 | | |
| 5 | QPSK | 1 | 24 | 20.37 | 20.44 | 20.35 | | | | |
| 5 | QPSK | 12 | 0 | 20.36 | 20.52 | 20.40 | | | | |
| 5 | QPSK | 12 | 7 | 20.37 | 20.36 | 20.34 | 22 | 0 | | |
| 5 | QPSK | 12 | 13 | 20.32 | 20.37 | 20.23 | | | | |
| 5 | QPSK | 1 | 0 | 20.35 | 20.44 | 20.27 | | | | |
| 5 | 16QAM | 1 | 0 | 20.34 | 20.45 | 20.32 | | | | |
| 5 | 16QAM | 1 | 12 | 20.40 | 20.53 | 20.23 | 22 | 0 | | |
| 5 | 16QAM | 1 | 24 | 20.36 | 20.52 | 20.42 | | | | |
| 5 | 16QAM | 12 | 0 | 20.33 | 20.42 | 20.31 | | | | |
| 5 | 16QAM | 12 | 7 | 20.38 | 20.43 | 20.29 | 22 | 0 | | |
| 5 | 16QAM | 12 | 13 | 20.38 | 20.52 | 20.41 | | | | |
| 5 | 16QAM | 25 | 0 | 20.38 | 20.41 | 20.38 | | | | |
| 5 | 16QAM | 1 | 0 | 20.33 | 20.38 | 20.21 | | | | |
| 5 | 16QAM | 1 | 12 | 20.45 | 20.47 | 20.41 | 22 | 0 | | |
| 5 | 16QAM | 1 | 24 | 20.39 | 20.37 | 20.29 | | | | |
| 5 | 16QAM | 12 | 0 | 20.35 | 20.38 | 20.27 | | | | |
| 5 | 16QAM | 12 | 7 | 20.39 | 20.42 | 20.41 | 22 | 0 | | |
| 5 | 16QAM | 12 | 13 | 20.35 | 20.36 | 20.31 | | | | |
| 5 | 16QAM | 25 | 0 | 20.35 | 20.34 | 20.25 | | | | |
| 5 | 25QAM | 1 | 0 | 18.06 | 18.23 | 18.10 | | | | |
| 5 | 25QAM | 1 | 12 | 18.12 | 18.29 | 18.08 | 20 | 2 | | |
| 5 | 25QAM | 1 | 24 | 18.06 | 18.16 | 18.03 | | | | |
| 5 | 25QAM | 12 | 0 | 18.11 | 18.21 | 18.10 | | | | |
| 5 | 25QAM | 12 | 7 | 18.00 | 18.13 | 18.00 | 20 | 2 | | |
| 5 | 25QAM | 12 | 13 | 18.15 | 18.17 | 18.02 | | | | |
| 5 | 25QAM | 25 | 0 | 18.08 | 18.14 | 18.01 | | | | |

| Band 48_FCC Main PA Ant1 DS1 | | | | | | | | | | |
|------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | 56590 | 56890 | 56190 | | | | |
| Frequency (MHz) | | | | 5660 | 5690 | 5660 | | | | |
| 20 | QPSK | 1 | 0 | 21.48 | 21.50 | 21.49 | 23 | 0 | | |
| 20 | QPSK | 1 | 49 | 21.38 | 21.52 | 21.44 | 21.47 | | | |
| 20 | QPSK | 1 | 99 | 21.48 | 21.59 | 21.40 | 21.41 | | | |
| 20 | QPSK | 50 | 0 | 21.52 | 21.50 | 21.48 | 21.52 | | | |
| 20 | QPSK | 50 | 24 | 21.45 | 21.56 | 21.44 | 21.45 | 23 | 0 | |
| 20 | QPSK | 100 | 0 | 21.43 | 21.52 | 21.41 | 21.43 | | | |
| 20 | QPSK | 100 | 0 | 21.48 | 21.50 | 21.41 | 21.48 | | | |
| 20 | 16QAM | 1 | 0 | 21.38 | 21.45 | 21.48 | 21.52 | 23 | 0 | |
| 20 | 16QAM | 1 | 49 | 21.48 | 21.56 | 21.41 | 21.34 | | | |
| 20 | 16QAM | 1 | 99 | 21.48 | 21.55 | 21.50 | 21.49 | | | |
| 20 | 16QAM | 50 | 0 | 21.41 | 21.49 | 21.44 | 21.50 | | | |
| 20 | 16QAM | 50 | 24 | 21.48 | 21.57 | 21.39 | 21.39 | 23 | 0 | |
| 20 | 16QAM | 50 | 50 | 21.57 | 21.54 | 21.50 | 21.59 | | | |
| 20 | 16QAM | 100 | 0 | 21.46 | 21.48 | 21.37 | 21.49 | | | |
| 20 | 16QAM | 100 | 0 | 21.41 | 21.52 | 21.39 | 21.31 | | | |
| 20 | 16QAM | 1 | 49 | 21.40 | 21.53 | 21.37 | 21.45 | 23 | 0 | |
| 20 | 16QAM | 1 | 99 | 21.49 | 21.57 | 21.45 | 21.41 | | | |
| 20 | 16QAM | 50 | 0 | 20.38 | 20.50 | 20.37 | 20.27 | | | |
| 20 | 16QAM | 50 | 24 | 20.23 | 20.36 | 20.27 | 20.30 | 22 | 1 | |
| 20 | 16QAM | 50 | 50 | 20.30 | 20.42 | 20.33 | 20.30 | | | |
| 20 | 16QAM | 100 | 0 | 20.38 | 20.38 | 20.24 | 20.22 | | | |
| 20 | 25QAM | 1 | 0 | 18.20 | 18.32 | 18.22 | 18.30 | | | |
| 20 | 25QAM | 1 | 49 | 18.26 | 18.47 | 18.44 | 18.33 | 20 | 3 | |
| 20 | 25QAM | 1 | 99 | 18.27 | 18.42 | 18.36 | 18.26 | | | |
| 20 | 25QAM | 50 | 0 | 18.21 | 18.37 | 18.26 | 18.20 | | | |
| 20 | 25QAM | 50 | 24 | 18.21 | 18.30 | 18.23 | 18.27 | 20 | 3 | |
| 20 | 25 | | | | | | | | | |

GSM1900 Ant2 Default

| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| | 512 | 661 | 910 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 31.00 | 1850.2 | 1880 | 1909.8 | 22.00 |
| GSM 1 Tx slot | 29.89 | 29.95 | 29.93 | 31.00 | 20.89 | 20.95 | 20.93 | 22.00 |
| GPRS 1 Tx slot | 29.92 | 30.01 | 29.95 | 31.00 | 20.92 | 21.01 | 20.95 | 22.00 |
| GPRS 2 Tx slots | 27.08 | 27.11 | 27.03 | 28.00 | 21.08 | 21.11 | 21.03 | 22.00 |
| GPRS 3 Tx slots | 25.21 | 25.34 | 25.26 | 26.20 | 20.95 | 21.08 | 21.00 | 21.94 |
| GPRS 4 Tx slots | 23.92 | 24.02 | 23.90 | 25.00 | 20.82 | 21.02 | 20.90 | 22.00 |
| EDGE 1 Tx slot | 26.15 | 26.26 | 26.18 | 27.00 | 17.15 | 17.26 | 17.18 | 18.00 |
| EDGE 2 Tx slots | 23.36 | 23.44 | 23.35 | 24.00 | 17.36 | 17.44 | 17.35 | 18.00 |
| EDGE 3 Tx slots | 21.53 | 21.56 | 21.50 | 22.20 | 17.27 | 17.30 | 17.24 | 17.94 |
| EDGE 4 Tx slots | 20.54 | 20.68 | 20.60 | 21.00 | 17.54 | 17.68 | 17.60 | 18.00 |

WCDMA II Ant2 DSI1

WCDMA IV Ant2 DSI1

| Band TX Channel | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) |
|------------------------------------|----------|-------|--------|---------------------------|----------|--------|--------|---------------------------|
| | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| Rx Channel | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | | 1712.4 | 1732.6 | 1752.6 | |
| 3GPP Rel 99 AMR 12.2kbps | 20.51 | 20.59 | 20.52 | 22.00 | 21.45 | 21.52 | 21.50 | 23.00 |
| 3GPP Rel 99 RMC 12.2kbps | 20.54 | 20.60 | 20.51 | 22.00 | 21.50 | 21.56 | 21.50 | 23.00 |
| 3GPP Rel 6 HSDPA Subtest-1 | 19.47 | 19.73 | 19.58 | 21.00 | 20.47 | 20.53 | 20.57 | 22.00 |
| 3GPP Rel 6 HSDPA Subtest-2 | 19.60 | 19.49 | 19.52 | 21.00 | 20.60 | 20.65 | 20.55 | 22.00 |
| 3GPP Rel 6 HSDPA Subtest-3 | 19.10 | 19.05 | 19.01 | 20.50 | 20.02 | 20.11 | 20.05 | 21.50 |
| 3GPP Rel 6 HSDPA Subtest-4 | 18.94 | 18.96 | 19.02 | 20.50 | 20.00 | 20.03 | 20.04 | 21.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 19.61 | 19.49 | 19.55 | 21.00 | 20.59 | 20.56 | 20.48 | 22.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 19.49 | 19.59 | 19.45 | 21.00 | 20.51 | 20.53 | 20.41 | 22.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 18.86 | 19.08 | 18.96 | 20.50 | 19.88 | 20.09 | 19.99 | 21.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 18.88 | 19.07 | 18.99 | 20.50 | 19.82 | 19.94 | 19.92 | 21.50 |
| 3GPP Rel 6 HSUPA Subtest-1 | 19.31 | 19.47 | 19.48 | 21.00 | 20.40 | 20.45 | 20.53 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-2 | 17.61 | 17.67 | 17.58 | 19.00 | 18.59 | 18.62 | 18.59 | 20.00 |
| 3GPP Rel 6 HSUPA Subtest-3 | 18.58 | 18.66 | 18.62 | 20.00 | 19.59 | 19.57 | 19.58 | 21.00 |
| 3GPP Rel 6 HSUPA Subtest-4 | 17.44 | 17.46 | 17.47 | 19.00 | 18.46 | 18.55 | 18.44 | 20.00 |
| 3GPP Rel 6 HSUPA Subtest-5 | 19.43 | 19.62 | 19.43 | 21.00 | 20.42 | 20.64 | 20.50 | 22.00 |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 17.02 | 17.08 | 17.02 | 18.50 | 18.07 | 18.25 | 18.08 | 19.50 |



| Band 2 Main PA Ant2 DSI1 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Time-up (min) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.10 | 21.22 | 21.62 | | | | |
| 20 | QPSK | 1 | 49 | 20.94 | 20.97 | 20.93 | 22.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 20.84 | 20.97 | 20.93 | | | | |
| 20 | QPSK | 50 | 0 | 21.06 | 21.13 | 20.93 | | | | |
| 20 | QPSK | 50 | 24 | 21.02 | 21.05 | 20.93 | | | | |
| 20 | QPSK | 50 | 50 | 20.87 | 20.99 | 20.94 | 22.5 | 0 | | |
| 20 | QPSK | 100 | 0 | 21.02 | 21.11 | 20.97 | | | | |
| 20 | 16QAM | 50 | 0 | 21.00 | 20.99 | 20.96 | | | | |
| 20 | 16QAM | 1 | 49 | 20.88 | 20.92 | 20.93 | 22.5 | 0 | | |
| 20 | 16QAM | 1 | 99 | 21.08 | 21.11 | 20.99 | | | | |
| 20 | 16QAM | 50 | 0 | 21.01 | 21.01 | 20.95 | | | | |
| 20 | 16QAM | 50 | 24 | 20.85 | 20.93 | 20.99 | 22.5 | 0 | | |
| 20 | 16QAM | 100 | 0 | 21.03 | 21.05 | 21.04 | | | | |
| 20 | 16QAM | 100 | 0 | 20.98 | 21.19 | 21.00 | | | | |
| 20 | 64QAM | 1 | 49 | 20.96 | 20.98 | 20.94 | 22.5 | 0 | | |
| 20 | 64QAM | 50 | 0 | 20.95 | 20.98 | 20.98 | | | | |
| 20 | 64QAM | 50 | 0 | 20.75 | 20.79 | 20.75 | | | | |
| 20 | 64QAM | 50 | 24 | 20.96 | 20.79 | 20.61 | 22 | 0.5 | | |
| 20 | 64QAM | 50 | 50 | 21.09 | 20.93 | 20.95 | | | | |
| 20 | 64QAM | 100 | 0 | 20.99 | 20.99 | 20.95 | | | | |
| 20 | 256QAM | 1 | 49 | 18.58 | 18.72 | 18.58 | 20 | 2.5 | | |
| 20 | 256QAM | 1 | 99 | 18.70 | 18.80 | 18.70 | | | | |
| 20 | 256QAM | 50 | 0 | 18.60 | 18.69 | 18.67 | | | | |
| 20 | 256QAM | 50 | 24 | 18.58 | 18.68 | 18.54 | 20 | 2.5 | | |
| 20 | 256QAM | 50 | 50 | 18.50 | 18.60 | 18.45 | | | | |
| 20 | 256QAM | 100 | 0 | 18.50 | 18.60 | 18.57 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 21.04 | 21.08 | 20.91 | | | | |
| 15 | QPSK | 1 | 37 | 20.93 | 20.96 | 20.97 | 22.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 20.90 | 21.00 | 20.92 | | | | |
| 15 | QPSK | 36 | 0 | 20.99 | 21.13 | 20.93 | | | | |
| 15 | QPSK | 36 | 25 | 21.03 | 20.99 | 20.99 | | | | |
| 15 | QPSK | 36 | 39 | 20.88 | 20.97 | 20.97 | 22.5 | 0 | | |
| 15 | QPSK | 75 | 0 | 21.02 | 20.99 | 20.97 | | | | |
| 15 | 16QAM | 1 | 0 | 20.99 | 21.05 | 20.95 | | | | |
| 15 | 16QAM | 1 | 37 | 20.87 | 20.96 | 20.92 | 22.5 | 0 | | |
| 15 | 16QAM | 1 | 74 | 21.01 | 21.01 | 20.95 | | | | |
| 15 | 16QAM | 36 | 0 | 20.99 | 21.04 | 20.94 | | | | |
| 15 | 16QAM | 36 | 20 | 20.89 | 21.03 | 20.91 | 22.5 | 0 | | |
| 15 | 16QAM | 36 | 25 | 21.06 | 20.98 | 20.97 | | | | |
| 15 | 16QAM | 75 | 0 | 20.99 | 20.98 | 20.90 | | | | |
| 15 | 64QAM | 1 | 0 | 21.04 | 21.14 | 20.97 | 22.5 | 0 | | |
| 15 | 64QAM | 1 | 37 | 20.95 | 20.98 | 20.98 | | | | |
| 15 | 64QAM | 1 | 74 | 20.97 | 20.94 | 21.01 | | | | |
| 15 | 64QAM | 36 | 0 | 20.71 | 20.84 | 20.61 | 22 | 0.5 | | |
| 15 | 64QAM | 36 | 25 | 20.48 | 20.58 | 20.47 | | | | |
| 15 | 64QAM | 36 | 39 | 20.48 | 20.53 | 20.45 | | | | |
| 15 | 64QAM | 75 | 0 | 20.49 | 20.60 | 20.46 | | | | |
| 15 | 256QAM | 1 | 37 | 18.48 | 18.56 | 18.47 | 20 | 2.5 | | |
| 15 | 256QAM | 1 | 74 | 18.48 | 18.70 | 18.58 | | | | |
| 15 | 256QAM | 36 | 0 | 18.50 | 18.60 | 18.52 | | | | |
| 15 | 256QAM | 36 | 20 | 18.52 | 18.54 | 18.40 | 20 | 2.5 | | |
| 15 | 256QAM | 36 | 39 | 18.41 | 18.54 | 18.38 | | | | |
| 15 | 256QAM | 75 | 0 | 18.52 | 18.60 | 18.47 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 21.03 | 21.04 | 20.96 | | | | |
| 10 | QPSK | 1 | 25 | 20.95 | 20.96 | 20.96 | 22.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 20.87 | 20.98 | 20.92 | | | | |
| 10 | QPSK | 25 | 0 | 21.01 | 21.07 | 20.97 | | | | |
| 10 | QPSK | 25 | 12 | 21.04 | 21.07 | 20.98 | | | | |
| 10 | QPSK | 25 | 25 | 20.92 | 20.98 | 20.96 | 22.5 | 0 | | |
| 10 | 16QAM | 1 | 0 | 20.97 | 21.08 | 20.99 | | | | |
| 10 | 16QAM | 1 | 24 | 20.96 | 21.03 | 20.97 | 22.5 | 0 | | |
| 10 | 16QAM | 1 | 49 | 20.90 | 21.02 | 20.99 | | | | |
| 10 | 16QAM | 25 | 0 | 21.03 | 21.02 | 20.99 | | | | |
| 10 | 16QAM | 25 | 12 | 20.87 | 21.02 | 21.01 | 22.5 | 0 | | |
| 10 | 16QAM | 25 | 25 | 21.08 | 21.10 | 21.00 | | | | |
| 10 | 16QAM | 50 | 0 | 20.95 | 21.04 | 20.95 | | | | |
| 10 | 64QAM | 1 | 0 | 21.08 | 21.08 | 21.02 | 22.5 | 0 | | |
| 10 | 64QAM | 1 | 24 | 20.87 | 20.94 | 20.94 | | | | |
| 10 | 64QAM | 1 | 49 | 20.96 | 20.93 | 20.94 | | | | |
| 10 | 64QAM | 25 | 0 | 20.99 | 20.73 | 20.64 | 22 | 0.5 | | |
| 10 | 64QAM | 25 | 12 | 20.44 | 20.50 | 20.43 | | | | |
| 10 | 64QAM | 25 | 25 | 20.53 | 20.63 | 20.46 | | | | |
| 10 | 64QAM | 50 | 0 | 20.46 | 20.55 | 20.45 | | | | |
| 10 | 256QAM | 1 | 0 | 18.58 | 18.66 | 18.57 | 20 | 2.5 | | |
| 10 | 256QAM | 1 | 24 | 18.50 | 18.64 | 18.63 | | | | |
| 10 | 256QAM | 1 | 49 | 18.58 | 18.75 | 18.59 | | | | |
| 10 | 256QAM | 12 | 0 | 18.50 | 18.60 | 18.59 | | | | |
| 10 | 256QAM | 25 | 12 | 18.50 | 18.56 | 18.41 | 20 | 2.5 | | |
| 10 | 256QAM | 25 | 25 | 18.46 | 18.50 | 18.41 | | | | |
| 10 | 256QAM | 50 | 0 | 18.55 | 18.56 | 18.49 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 21.05 | 21.12 | 21.00 | | | | |
| 5 | QPSK | 1 | 12 | 21.01 | 21.05 | 20.93 | 22.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 20.87 | 21.01 | 20.98 | | | | |
| 5 | QPSK | 12 | 0 | 21.07 | 21.06 | 20.99 | | | | |
| 5 | QPSK | 12 | 7 | 20.97 | 20.96 | 20.89 | | | | |
| 5 | QPSK | 12 | 13 | 20.87 | 21.02 | 20.91 | 22.5 | 0 | | |
| 5 | QPSK | 12 | 24 | 21.04 | 21.08 | 20.92 | | | | |
| 5 | 16QAM | 1 | 0 | 20.95 | 21.03 | 20.96 | | | | |
| 5 | 16QAM | 1 | 12 | 20.94 | 20.92 | 20.96 | 22.5 | 0 | | |
| 5 | 16QAM | 1 | 24 | 21.03 | 21.13 | 21.00 | | | | |
| 5 | 16QAM | 12 | 0 | 21.03 | 21.07 | 20.87 | | | | |
| 5 | 16QAM | 12 | 7 | 20.93 | 20.94 | 21.00 | 22.5 | 0 | | |
| 5 | 16QAM | 12 | 13 | 21.04 | 21.09 | 20.95 | | | | |
| 5 | 16QAM | 25 | 0 | 21.03 | 21.06 | 20.93 | | | | |
| 5 | 64QAM | 1 | 0 | 21.02 | 21.10 | 20.96 | 22.5 | 0 | | |
| 5 | 64QAM | 1 | 12 | 20.93 | 20.96 | 20.99 | | | | |
| 5 | 64QAM | 1 | 24 | 20.88 | 20.97 | 20.94 | | | | |
| 5 | 64QAM | 12 | 0 | 20.61 | 20.74 | 20.69 | 22 | 0.5 | | |
| 5 | 64QAM | 12 | 7 | 20.51 | 20.62 | 20.64 | | | | |
| 5 | 64QAM | 12 | 13 | 20.63 | 20.54 | 20.43 | | | | |
| 5 | 64QAM | 25 | 0 | 20.96 | 20.97 | 20.41 | | | | |
| 5 | 256QAM | 1 | 0 | 18.71 | 18.75 | 18.63 | 20 | 2.5 | | |
| 5 | 256QAM | 1 | 12 | 18.50 | 18.58 | 18.48 | | | | |
| 5 | 256QAM | 1 | 24 | 18.59 | 18.74 | 18.55 | | | | |
| 5 | 256QAM | 12 | 0 | 18.54 | 18.70 | 18.64 | | | | |
| 5 | 256QAM | 12 | 7 | 18.54 | 18.53 | 18.49 | 20 | 2.5 | | |
| 5 | 256QAM | 12 | 13 | 18.38 | 18.54 | 18.52 | | | | |
| 5 | 256QAM | 25 | 0 | 18.48 | 18.56 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 21.04 | 21.15 | 21.01 | | | | |
| 3 | QPSK | 1 | 8 | 20.94 | 20.97 | 20.84 | 22.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 20.96 | 20.92 | 20.95 | | | | |
| 3 | QPSK | 8 | 0 | 21.06 | 21.14 | 21.01 | | | | |
| 3 | QPSK | 8 | 4 | 20.88 | 21.00 | 20.88 | 22.5 | 0 | | |
| 3 | QPSK | 8 | 7 | 20.94 | 21.00 | 20.90 | | | | |
| 3 | QPSK | 15 | 0 | 21.07 | 21.12 | 20.99 | | | | |
| 3 | 16QAM | 1 | 0 | 21.00 | 20.96 | 20.90 | 22.5 | 0 | | |
| 3 | 16QAM | 1 | 8 | 20.86 | 20.92 | 20.92 | | | | |
| 3 | 16QAM | 1 | 14 | 21.08 | 21.08 | 20.99 | | | | |
| 3 | 16QAM | 8 | 0 | 20.98 | 21.02 | 20.89 | 22.5 | 0 | | |
| 3 | 16QAM | 8 | 4 | 20.93 | 21.02 | 20.96 | | | | |
| 3 | 16QAM | 8 | 7 | 21.03 | 21.09 | 20.95 | | | | |
| 3 | 16QAM | 15 | 0 | 20.98 | 20.95 | 20.88 | | | | |
| 3 | 64QAM | 1 | 0 | 21.09 | 21.11 | 20.96 | 22.5 | 0 | | |
| 3 | 64QAM | 1 | 8 | 20.94 | 20.99 | 20.99 | | | | |
| 3 | 64QAM | 1 | 14 | 20.95 | 21.02 | 20.89 | | | | |
| 3 | 64QAM | 8 | 0 | 20.64 | 20.67 | 20.61 | 22 | 0.5 | | |
| 3 | 64QAM | 8 | 7 | 20.63 | | | | | | |



| Band 25 Main PA Ant2 DSI1 | | | | | | | | | | |
|---------------------------|-----------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Turn-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1850 | 1880 | 1905 | | | | |
| 20 | QPSK | 1 | 0 | 20.98 | 21.23 | 21.08 | 22.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 20.98 | 21.23 | 21.08 | 22.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 20.99 | 21.08 | 20.98 | 22.5 | 0 | | |
| 20 | QPSK | 50 | 0 | 21.05 | 21.10 | 21.11 | 22.5 | 0 | | |
| 20 | QPSK | 50 | 24 | 21.02 | 21.10 | 21.08 | 22.5 | 0 | | |
| 20 | QPSK | 50 | 50 | 20.85 | 21.03 | 20.94 | 22.5 | 0 | | |
| 20 | QPSK | 100 | 0 | 21.07 | 21.14 | 21.10 | 22.5 | 0 | | |
| 20 | 16QAM | 1 | 0 | 20.95 | 21.10 | 21.05 | 22.5 | 0 | | |
| 20 | 16QAM | 1 | 49 | 20.95 | 21.07 | 21.02 | 22.5 | 0 | | |
| 20 | 16QAM | 1 | 99 | 21.04 | 21.12 | 21.09 | 22.5 | 0 | | |
| 20 | 16QAM | 50 | 0 | 21.01 | 21.09 | 21.13 | 22.5 | 0 | | |
| 20 | 16QAM | 50 | 24 | 20.90 | 21.07 | 20.92 | 22.5 | 0 | | |
| 20 | 16QAM | 50 | 50 | 21.07 | 21.14 | 21.08 | 22.5 | 0 | | |
| 20 | 16QAM | 100 | 0 | 21.01 | 21.10 | 21.07 | 22.5 | 0 | | |
| 20 | 64QAM | 1 | 0 | 21.00 | 21.10 | 21.13 | 22.5 | 0 | | |
| 20 | 64QAM | 1 | 49 | 21.04 | 21.10 | 21.08 | 22.5 | 0 | | |
| 20 | 64QAM | 1 | 99 | 20.93 | 20.98 | 20.97 | 22.5 | 0 | | |
| 20 | 64QAM | 50 | 0 | 20.95 | 20.99 | 20.97 | 22.5 | 0 | | |
| 20 | 64QAM | 50 | 24 | 20.97 | 20.96 | 20.98 | 22.5 | 0.5 | | |
| 20 | 64QAM | 50 | 50 | 20.91 | 20.97 | 20.97 | 22.5 | 0.5 | | |
| 20 | 64QAM | 100 | 0 | 20.96 | 20.98 | 20.98 | 22.5 | 0.5 | | |
| 20 | 256QAM | 1 | 49 | 18.96 | 18.72 | 18.59 | 20 | 2.5 | | |
| 20 | 256QAM | 1 | 99 | 18.71 | 18.75 | 18.66 | 20 | 2.5 | | |
| 20 | 256QAM | 50 | 0 | 18.74 | 18.68 | 18.61 | 20 | 2.5 | | |
| 20 | 256QAM | 50 | 24 | 18.96 | 18.69 | 18.57 | 20 | 2.5 | | |
| 20 | 256QAM | 50 | 50 | 18.60 | 18.68 | 18.61 | 20 | 2.5 | | |
| 20 | 256QAM | 100 | 0 | 18.63 | 18.69 | 18.61 | 20 | 2.5 | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1875 | 1880 | 1907.5 | Turn-up (min) | MPR (dB) | | |
| 15 | QPSK | 1 | 0 | 21.08 | 21.21 | 21.11 | 22.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 20.96 | 21.18 | 21.08 | 22.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 20.84 | 21.06 | 20.97 | 22.5 | 0 | | |
| 15 | QPSK | 36 | 0 | 21.00 | 21.21 | 21.11 | 22.5 | 0 | | |
| 15 | QPSK | 36 | 20 | 21.06 | 21.16 | 21.08 | 22.5 | 0 | | |
| 15 | QPSK | 36 | 36 | 20.93 | 21.03 | 20.98 | 22.5 | 0 | | |
| 15 | QPSK | 75 | 0 | 21.02 | 21.20 | 21.11 | 22.5 | 0 | | |
| 15 | 16QAM | 1 | 0 | 21.03 | 21.14 | 21.02 | 22.5 | 0 | | |
| 15 | 16QAM | 1 | 37 | 20.98 | 21.03 | 21.02 | 22.5 | 0 | | |
| 15 | 16QAM | 1 | 74 | 21.07 | 21.20 | 21.11 | 22.5 | 0 | | |
| 15 | 16QAM | 36 | 0 | 21.05 | 21.18 | 21.13 | 22.5 | 0 | | |
| 15 | 16QAM | 36 | 20 | 20.85 | 21.01 | 20.92 | 22.5 | 0 | | |
| 15 | 16QAM | 36 | 36 | 21.07 | 21.16 | 21.07 | 22.5 | 0 | | |
| 15 | 16QAM | 75 | 0 | 21.05 | 21.08 | 21.13 | 22.5 | 0 | | |
| 15 | 64QAM | 1 | 0 | 21.02 | 21.20 | 21.13 | 22.5 | 0 | | |
| 15 | 64QAM | 1 | 37 | 20.96 | 21.08 | 21.08 | 22.5 | 0 | | |
| 15 | 64QAM | 1 | 74 | 20.88 | 21.04 | 20.93 | 22.5 | 0 | | |
| 15 | 64QAM | 36 | 0 | 20.44 | 20.55 | 20.46 | 22 | 0.5 | | |
| 15 | 64QAM | 36 | 20 | 20.49 | 20.46 | 20.43 | 22 | 0.5 | | |
| 15 | 64QAM | 36 | 36 | 20.47 | 20.57 | 20.59 | 22 | 0.5 | | |
| 15 | 64QAM | 75 | 0 | 20.43 | 20.61 | 20.43 | 22 | 0.5 | | |
| 15 | 256QAM | 1 | 37 | 18.84 | 18.72 | 18.67 | 20 | 2.5 | | |
| 15 | 256QAM | 1 | 74 | 18.54 | 18.65 | 18.45 | 20 | 2.5 | | |
| 15 | 256QAM | 1 | 74 | 18.83 | 18.70 | 18.52 | 20 | 2.5 | | |
| 15 | 256QAM | 36 | 0 | 18.53 | 18.58 | 18.58 | 20 | 2.5 | | |
| 15 | 256QAM | 36 | 20 | 18.57 | 18.60 | 18.47 | 20 | 2.5 | | |
| 15 | 256QAM | 36 | 36 | 18.48 | 18.53 | 18.53 | 20 | 2.5 | | |
| 15 | 256QAM | 75 | 0 | 18.56 | 18.55 | 18.42 | 20 | 2.5 | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1890 | 1894 | 1904 | Turn-up (min) | MPR (dB) | | |
| 10 | QPSK | 1 | 0 | 21.04 | 21.18 | 21.11 | 22.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 20.94 | 21.17 | 21.11 | 22.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 20.92 | 21.08 | 20.91 | 22.5 | 0 | | |
| 10 | QPSK | 25 | 0 | 21.01 | 21.18 | 21.11 | 22.5 | 0 | | |
| 10 | QPSK | 25 | 12 | 21.02 | 21.13 | 21.03 | 22.5 | 0 | | |
| 10 | QPSK | 25 | 25 | 20.93 | 21.00 | 21.00 | 22.5 | 0 | | |
| 10 | QPSK | 50 | 0 | 20.95 | 21.10 | 21.11 | 22.5 | 0 | | |
| 10 | 16QAM | 1 | 0 | 20.96 | 21.12 | 21.11 | 22.5 | 0 | | |
| 10 | 16QAM | 1 | 25 | 20.85 | 21.00 | 21.02 | 22.5 | 0 | | |
| 10 | 16QAM | 1 | 49 | 21.05 | 21.18 | 21.11 | 22.5 | 0 | | |
| 10 | 16QAM | 25 | 0 | 20.99 | 21.12 | 21.10 | 22.5 | 0 | | |
| 10 | 16QAM | 25 | 12 | 20.90 | 21.00 | 20.91 | 22.5 | 0 | | |
| 10 | 16QAM | 25 | 25 | 20.98 | 21.10 | 21.07 | 22.5 | 0 | | |
| 10 | 16QAM | 50 | 0 | 21.04 | 21.10 | 21.09 | 22.5 | 0 | | |
| 10 | 64QAM | 1 | 0 | 21.00 | 21.11 | 21.07 | 22.5 | 0 | | |
| 10 | 64QAM | 1 | 25 | 20.96 | 21.13 | 21.11 | 22.5 | 0 | | |
| 10 | 64QAM | 1 | 49 | 20.92 | 21.01 | 20.90 | 22.5 | 0 | | |
| 10 | 64QAM | 25 | 0 | 20.47 | 20.59 | 20.46 | 22 | 0.5 | | |
| 10 | 64QAM | 25 | 12 | 20.45 | 20.43 | 20.48 | 22 | 0.5 | | |
| 10 | 64QAM | 25 | 25 | 20.55 | 20.60 | 20.61 | 22 | 0.5 | | |
| 10 | 64QAM | 50 | 0 | 20.41 | 20.63 | 20.46 | 22 | 0.5 | | |
| 10 | 256QAM | 1 | 49 | 18.65 | 18.72 | 18.58 | 20 | 2.5 | | |
| 10 | 256QAM | 1 | 25 | 18.63 | 18.64 | 18.51 | 20 | 2.5 | | |
| 10 | 256QAM | 1 | 49 | 18.67 | 18.62 | 18.51 | 20 | 2.5 | | |
| 10 | 256QAM | 25 | 0 | 18.51 | 18.52 | 18.57 | 20 | 2.5 | | |
| 10 | 256QAM | 25 | 12 | 18.45 | 18.62 | 18.50 | 20 | 2.5 | | |
| 10 | 256QAM | 25 | 25 | 18.50 | 18.50 | 18.57 | 20 | 2.5 | | |
| 10 | 256QAM | 50 | 0 | 18.49 | 18.60 | 18.48 | 20 | 2.5 | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1890 | 1910 | Turn-up (min) | MPR (dB) | | |
| 5 | QPSK | 1 | 0 | 21.06 | 21.18 | 21.11 | 22.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 21.08 | 21.00 | 21.10 | 22.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 20.91 | 20.99 | 20.99 | 22.5 | 0 | | |
| 5 | QPSK | 12 | 0 | 21.01 | 21.18 | 21.13 | 22.5 | 0 | | |
| 5 | QPSK | 12 | 7 | 21.04 | 21.13 | 21.04 | 22.5 | 0 | | |
| 5 | QPSK | 12 | 13 | 20.91 | 20.99 | 20.98 | 22.5 | 0 | | |
| 5 | QPSK | 25 | 0 | 21.05 | 21.12 | 21.12 | 22.5 | 0 | | |
| 5 | 16QAM | 1 | 0 | 20.99 | 21.14 | 21.14 | 22.5 | 0 | | |
| 5 | 16QAM | 1 | 12 | 20.93 | 20.99 | 20.97 | 22.5 | 0 | | |
| 5 | 16QAM | 1 | 24 | 20.99 | 21.25 | 21.05 | 22.5 | 0 | | |
| 5 | 16QAM | 12 | 0 | 20.98 | 21.18 | 21.03 | 22.5 | 0 | | |
| 5 | 16QAM | 12 | 7 | 20.87 | 20.95 | 20.96 | 22.5 | 0 | | |
| 5 | 16QAM | 12 | 13 | 21.08 | 21.18 | 21.13 | 22.5 | 0 | | |
| 5 | 64QAM | 1 | 0 | 21.07 | 21.14 | 21.08 | 22.5 | 0 | | |
| 5 | 64QAM | 1 | 12 | 20.98 | 21.19 | 21.04 | 22.5 | 0 | | |
| 5 | 64QAM | 1 | 24 | 20.95 | 20.90 | 21.02 | 22.5 | 0 | | |
| 5 | 64QAM | 12 | 0 | 20.52 | 20.62 | 20.48 | 22 | 0.5 | | |
| 5 | 64QAM | 12 | 7 | 20.50 | 20.54 | 20.54 | 22 | 0.5 | | |
| 5 | 64QAM | 12 | 13 | 20.58 | 20.57 | 20.55 | 22 | 0.5 | | |
| 5 | 64QAM | 25 | 0 | 20.51 | 20.46 | 20.49 | 22 | 0.5 | | |
| 5 | 256QAM | 1 | 12 | 18.50 | 18.50 | 18.49 | 20 | 2.5 | | |
| 5 | 256QAM | 1 | 24 | 18.50 | 18.57 | 18.50 | 20 | 2.5 | | |
| 5 | 256QAM | 1 | 12 | 18.58 | 18.63 | 18.48 | 20 | 2.5 | | |
| 5 | 256QAM | 12 | 0 | 18.40 | 18.48 | 18.57 | 20 | 2.5 | | |
| 5 | 256QAM | 12 | 7 | 18.41 | 18.62 | 18.50 | 20 | 2.5 | | |
| 5 | 256QAM | 12 | 13 | 18.55 | 18.65 | 18.55 | 20 | 2.5 | | |
| 5 | 256QAM | 25 | 0 | 18.55 | 18.50 | 18.50 | 20 | 2.5 | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1915 | 1915 | 1915 | Turn-up (min) | MPR (dB) | | |
| 3 | QPSK | 1 | 0 | 21.00 | 21.15 | 21.10 | 22.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 21.00 | 21.18 | 21.03 | 22.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 20.91 | 21.02 | 20.94 | 22.5 | 0 | | |
| 3 | QPSK | 8 | 0 | 20.98 | 21.11 | 21.08 | 22.5 | 0 | | |
| 3 | QPSK | 8 | 4 | 21.06 | 21.18 | 21.11 | 22.5 | 0 | | |
| 3 | QPSK | 8 | 7 | 20.87 | 20.92 | 21.00 | 22.5 | 0 | | |
| 3 | QPSK | 15 | 0 | 21.08 | 21.14 | | | | | |



| Band 38 Main PA Ant2 DS1 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.22 | 23.27 | 23.13 | | | | |
| 20 | QPSK | 1 | 49 | 23.22 | 23.15 | 23.09 | | 23.5 | 0 | |
| 20 | QPSK | 50 | 24 | 23.10 | 23.15 | 23.08 | | | | |
| 20 | QPSK | 50 | 0 | 23.17 | 23.26 | 23.22 | | | | |
| 20 | QPSK | 50 | 24 | 23.10 | 23.15 | 23.15 | | 23.5 | 0 | |
| 20 | QPSK | 100 | 0 | 23.15 | 23.22 | 23.21 | | | | |
| 20 | 16QAM | 1 | 0 | 23.08 | 23.20 | 23.16 | | 23.5 | 0 | |
| 20 | 16QAM | 1 | 49 | 23.10 | 23.13 | 23.08 | | | | |
| 20 | 16QAM | 1 | 99 | 23.17 | 23.26 | 23.26 | | | | |
| 20 | 16QAM | 50 | 0 | 23.11 | 23.22 | 23.15 | | | | |
| 20 | 16QAM | 50 | 24 | 23.06 | 23.14 | 23.06 | | | | |
| 20 | 16QAM | 50 | 50 | 23.21 | 23.22 | 23.19 | | 23.5 | 0 | |
| 20 | 16QAM | 100 | 0 | 23.13 | 23.15 | 23.05 | | | | |
| 20 | 16QAM | 100 | 0 | 23.05 | 23.16 | 23.09 | | | | |
| 20 | 16QAM | 1 | 49 | 23.05 | 23.22 | 23.16 | | 23.5 | 0 | |
| 20 | 16QAM | 1 | 99 | 23.06 | 23.20 | 23.13 | | | | |
| 20 | 16QAM | 50 | 0 | 23.22 | 23.27 | 23.21 | | | | |
| 20 | 16QAM | 50 | 24 | 22.98 | 23.22 | 23.08 | | 22.5 | 1 | |
| 20 | 16QAM | 50 | 50 | 23.20 | 23.27 | 23.19 | | | | |
| 20 | 16QAM | 100 | 0 | 22.16 | 22.32 | 22.19 | | | | |
| 20 | 25QAM | 1 | 0 | 20.26 | 20.30 | 20.24 | | | | |
| 20 | 25QAM | 1 | 49 | 20.26 | 20.23 | 20.13 | | 20.5 | 3 | |
| 20 | 25QAM | 1 | 99 | 20.18 | 20.24 | 20.12 | | | | |
| 20 | 25QAM | 50 | 0 | 20.24 | 20.25 | 20.16 | | | | |
| 20 | 25QAM | 50 | 24 | 20.23 | 20.16 | 20.11 | | 20.5 | 3 | |
| 20 | 25QAM | 50 | 50 | 20.28 | 20.20 | 20.11 | | | | |
| 20 | 25QAM | 100 | 0 | 20.09 | 20.13 | 20.08 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.23 | 23.24 | 23.23 | | | | |
| 15 | QPSK | 1 | 37 | 23.04 | 23.14 | 23.14 | | 23.5 | 0 | |
| 15 | QPSK | 1 | 74 | 23.12 | 23.11 | 23.07 | | | | |
| 15 | QPSK | 36 | 0 | 23.22 | 23.25 | 23.19 | | | | |
| 15 | QPSK | 36 | 20 | 23.08 | 23.15 | 23.18 | | 23.5 | 0 | |
| 15 | 16QAM | 1 | 0 | 23.09 | 23.17 | 23.06 | | | | |
| 15 | 16QAM | 1 | 74 | 23.14 | 23.23 | 23.20 | | 23.5 | 0 | |
| 15 | 16QAM | 36 | 0 | 23.18 | 23.24 | 23.11 | | | | |
| 15 | 16QAM | 36 | 20 | 23.04 | 23.16 | 23.18 | | 23.5 | 0 | |
| 15 | 16QAM | 36 | 59 | 23.27 | 23.28 | 23.20 | | | | |
| 15 | 16QAM | 75 | 0 | 23.15 | 23.13 | 23.02 | | | | |
| 15 | 16QAM | 1 | 0 | 23.12 | 23.14 | 23.14 | | | | |
| 15 | 16QAM | 1 | 37 | 23.10 | 23.23 | 23.08 | | 23.5 | 0 | |
| 15 | 16QAM | 1 | 74 | 23.07 | 23.18 | 23.06 | | | | |
| 15 | 16QAM | 36 | 0 | 23.11 | 23.17 | 23.13 | | | | |
| 15 | 16QAM | 36 | 20 | 23.04 | 22.14 | 22.10 | | 22.5 | 1 | |
| 15 | 16QAM | 36 | 59 | 23.25 | 23.27 | 23.19 | | | | |
| 15 | 16QAM | 75 | 0 | 23.05 | 23.11 | 23.00 | | | | |
| 15 | 25QAM | 1 | 0 | 20.21 | 20.22 | 20.12 | | 20.5 | 3 | |
| 15 | 25QAM | 1 | 37 | 20.20 | 20.12 | 20.00 | | | | |
| 15 | 25QAM | 1 | 74 | 20.07 | 20.15 | 20.09 | | | | |
| 15 | 25QAM | 36 | 0 | 20.04 | 20.19 | 20.11 | | 20.5 | 3 | |
| 15 | 25QAM | 36 | 20 | 19.92 | 20.08 | 20.05 | | | | |
| 15 | 25QAM | 36 | 59 | 19.88 | 20.12 | 20.03 | | | | |
| 15 | 25QAM | 75 | 0 | 20.03 | 20.07 | 19.99 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.16 | 23.27 | 23.18 | | | | |
| 10 | QPSK | 1 | 25 | 23.08 | 23.19 | 23.13 | | 23.5 | 0 | |
| 10 | QPSK | 1 | 49 | 23.15 | 23.21 | 23.08 | | | | |
| 10 | QPSK | 25 | 0 | 23.22 | 23.30 | 23.17 | | | | |
| 10 | QPSK | 25 | 12 | 23.05 | 23.13 | 23.14 | | 23.5 | 0 | |
| 10 | QPSK | 25 | 25 | 23.04 | 23.16 | 23.00 | | | | |
| 10 | 16QAM | 1 | 0 | 23.16 | 23.25 | 23.15 | | | | |
| 10 | 16QAM | 1 | 0 | 23.10 | 23.25 | 23.15 | | | | |
| 10 | 16QAM | 1 | 25 | 23.06 | 23.16 | 23.08 | | 23.5 | 0 | |
| 10 | 16QAM | 1 | 49 | 23.18 | 23.26 | 23.11 | | | | |
| 10 | 16QAM | 25 | 0 | 23.08 | 23.27 | 23.19 | | | | |
| 10 | 16QAM | 25 | 12 | 23.05 | 23.16 | 23.05 | | 23.5 | 0 | |
| 10 | 16QAM | 25 | 19 | 23.05 | 23.16 | 23.05 | | | | |
| 10 | 16QAM | 25 | 26 | 23.22 | 23.20 | 23.23 | | | | |
| 10 | 16QAM | 50 | 0 | 23.11 | 23.13 | 23.02 | | | | |
| 10 | 16QAM | 1 | 0 | 23.07 | 23.12 | 23.05 | | | | |
| 10 | 16QAM | 1 | 25 | 23.00 | 23.20 | 23.12 | | 23.5 | 0 | |
| 10 | 16QAM | 1 | 49 | 22.99 | 23.18 | 23.07 | | | | |
| 10 | 16QAM | 25 | 0 | 22.12 | 22.18 | 22.12 | | 22.5 | 1 | |
| 10 | 16QAM | 25 | 12 | 22.02 | 22.13 | 21.96 | | | | |
| 10 | 16QAM | 25 | 19 | 22.11 | 22.17 | 22.05 | | | | |
| 10 | 16QAM | 50 | 0 | 22.24 | 22.14 | 22.07 | | | | |
| 10 | 25QAM | 1 | 0 | 20.20 | 20.18 | 20.11 | | | | |
| 10 | 25QAM | 1 | 25 | 20.11 | 20.13 | 20.01 | | 20.5 | 3 | |
| 10 | 25QAM | 1 | 49 | 20.14 | 20.15 | 20.03 | | | | |
| 10 | 25QAM | 25 | 0 | 20.04 | 20.17 | 20.10 | | | | |
| 10 | 25QAM | 25 | 12 | 19.91 | 20.04 | 19.97 | | 20.5 | 3 | |
| 10 | 25QAM | 25 | 19 | 19.93 | 20.06 | 20.00 | | | | |
| 10 | 25QAM | 50 | 0 | 19.98 | 20.09 | 19.91 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.18 | 23.26 | 23.12 | | | | |
| 5 | QPSK | 1 | 19 | 23.04 | 23.12 | 23.12 | | 23.5 | 0 | |
| 5 | QPSK | 1 | 24 | 23.09 | 23.10 | 23.05 | | | | |
| 5 | QPSK | 12 | 0 | 23.22 | 23.24 | 23.16 | | | | |
| 5 | QPSK | 12 | 7 | 23.13 | 23.21 | 23.15 | | 23.5 | 0 | |
| 5 | QPSK | 12 | 19 | 23.00 | 23.12 | 23.01 | | | | |
| 5 | QPSK | 25 | 0 | 23.16 | 23.21 | 23.26 | | | | |
| 5 | QPSK | 25 | 0 | 23.07 | 23.14 | 23.12 | | | | |
| 5 | 16QAM | 1 | 12 | 23.05 | 23.16 | 23.13 | | 23.5 | 0 | |
| 5 | 16QAM | 1 | 24 | 23.19 | 23.26 | 23.26 | | | | |
| 5 | 16QAM | 12 | 0 | 23.06 | 23.22 | 23.16 | | | | |
| 5 | 16QAM | 12 | 7 | 23.08 | 23.14 | 23.07 | | 23.5 | 0 | |
| 5 | 16QAM | 12 | 13 | 23.16 | 23.16 | 23.14 | | | | |
| 5 | 16QAM | 25 | 0 | 23.13 | 23.12 | 23.06 | | | | |
| 5 | 16QAM | 1 | 0 | 23.12 | 23.18 | 23.07 | | 23.5 | 0 | |
| 5 | 16QAM | 1 | 12 | 22.96 | 23.22 | 23.11 | | | | |
| 5 | 16QAM | 1 | 24 | 23.09 | 23.22 | 23.09 | | | | |
| 5 | 16QAM | 12 | 0 | 22.10 | 22.21 | 22.14 | | 22.5 | 1 | |
| 5 | 16QAM | 12 | 7 | 22.05 | 22.15 | 22.00 | | | | |
| 5 | 16QAM | 12 | 13 | 22.16 | 22.18 | 22.06 | | | | |
| 5 | 16QAM | 25 | 0 | 22.06 | 22.16 | 22.06 | | | | |
| 5 | 25QAM | 1 | 0 | 20.17 | 20.15 | 20.15 | | | | |
| 5 | 25QAM | 1 | 12 | 20.16 | 20.16 | 20.03 | | 20.5 | 3 | |
| 5 | 25QAM | 1 | 24 | 20.10 | 20.11 | 20.09 | | | | |
| 5 | 25QAM | 12 | 0 | 20.00 | 20.11 | 20.09 | | | | |
| 5 | 25QAM | 12 | 7 | 19.92 | 20.03 | 19.97 | | 20.5 | 3 | |
| 5 | 25QAM | 12 | 13 | 20.01 | 20.16 | 20.07 | | | | |
| 5 | 25QAM | 25 | 0 | 19.98 | 20.05 | 19.95 | | | | |

| Band 41 Main PA Ant2 DS1 | | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.23 | 23.25 | 23.19 | 23.15 | 23.22 | 23.22 | | |
| 20 | QPSK | 1 | 49 | 23.03 | 23.17 | 23.20 | 23.20 | 23.20 | 23.20 | | 23.5 |
| 20 | QPSK | 1 | 99 | 23.18 | 23.19 | 23.26 | 23.20 | 23.20 | 23.20 | | |
| 20 | QPSK | 50 | 0 | 23.10 | 23.20 | 23.22 | 23.26 | 23.22 | 23.22 | | |
| 20 | QPSK | 50 | 24 | 23.00 | 23.21 | 23.21 | 23.24 | 23.24 | 23.24 | | 23.5 |
| 20 | QPSK | 100 | 0 | 23.19 | 23.26 | 23.22 | 23.27 | 23.22 | 23.22 | | |
| 20 | 16QAM | 1 | 0 | 22.98 | 23.20 | 23.26 | 23.26 | 23.26 | 23.12 | | 23.5 |
| 20 | 16QAM | 1 | 49 | 23.14 | 23.21 | 23.26 | 23.26 | 23.27 | 23.12 | | |
| 20 | 16QAM | 1 | 99 | 23.17 | 23.22 | 23.29 | 23.26 | 23.26 | 23.26 | | |
| 20 | 16QAM | 50 | 0 | 23.09 | 23.26 | 23.27 | 23.20 | 23.20 | 23.13 | | |
| 20 | 16QAM | 50 | 24 | 23.12 | 23.19 | 23.26 | 23.24 | 23.24 | 23.19 | | 23.5 |
| 20 | 16QAM | 50 | 50 | 23.18 | 23.26 | 23.28 | 23.26 | 23.19 | 23.19 | | |
| 20 | 16QAM | 100 | 0 | 23.04 | 23.27 | 23.22 | 23.20 | 23.20 | 23.17 | | |
| 20 | 16QAM | 100 | 0 | 23.14 | 23.21 | 23.23 | 23.28 | 23.20 | 23.20 | | |
| 20 | 16QAM | 1 | 49 | 23.07 | 23.23 | 23.28 | 23.26 | 23.09 | 23.09 | | 23.5 |
| 20 | 16QAM | 1 | 99 | 23.17 | 23.19 | 23.28 | 23.22 | 23.16 | 23.16 | | |
| 20 | 16QAM | 50 | 0 | 22.20 | 23.24 | 23.29 | 23.20 | 22.26 | 22.26 | | |
| 20 | 16QAM | 50 | 24 | 22.09 | 23.25 | 23.29 | 23.20 | 22.15 | 22.15 | | 22.5 |
| 20 | 16QAM | 50 | 50 | 22.02 | 23.28 | 23.27 | 23.25 | 22.28 | 22.28 | | |
| 20 | 16QAM | 100 | 0 | 22.21 | 22.23 | 22.27 | 22.20 | 22.22 | 22.22 | | |
| 20 | 25QAM | 1 | 0 | 20.27 | 20.23 | 20.26 | 20.21 | 20.22 | 20.22 | | |
| 20 | 25QAM | 1 | 49 | 20.24 | 20.23 | 20.13 | 20.13 | 20.22 | 20.22 | | 20.5 |
| 20 | 25QAM | 1 | 99 | 20.21 | 20.26 | 20.26 | 20.22 | 20.24 | 20.24 | | |
| 20 | 25QAM | 50 | 0 | 20.27 | 20.22 | 20.27 | 20.20 | 20.24 | 20.24 | | |
| 20 | 25QAM | 50 | 24 | 20.14 | 20.14 | 20.20 | 20.20 | 20.21 | 20.21 | | 20.5 |
| 20 | 25QAM | 50 | 50 | 20.13 | 20.21 | 20.29 | 20.16 | 20.14 | 20.14 | | |
| 20 | 25QAM | 100 | 0 | 20.20 | 20.13 | 20.04 | 20.15 | 20.15 | 20.15 | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | |
| 16 | QPSK | 1</ | | | | | | | | | |



| Band 4 Main PA Ant3 | | | | | | | | | | |
|---------------------|------------|----------|------------|---------------------|---------------------|----------------------|--------------------|----------|------|-----|
| BW (MHz) | Modulation | RIS Size | RIS Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.52 | 22.61 | 22.67 | | | | |
| 20 | QPSK | 1 | 49 | 22.52 | 22.61 | 22.67 | | | 24.5 | 0 |
| 20 | QPSK | 1 | 99 | 22.52 | 22.61 | 22.67 | | | | |
| 20 | QPSK | 50 | 0 | 21.50 | 21.55 | 21.51 | | | | |
| 20 | QPSK | 50 | 24 | 21.51 | 21.51 | 21.50 | | | 23.5 | 1 |
| 20 | QPSK | 50 | 50 | 21.53 | 21.51 | 21.50 | | | | |
| 20 | QPSK | 100 | 0 | 21.50 | 21.57 | 21.52 | | | | |
| 20 | 16QAM | 100 | 0 | 21.51 | 21.61 | 21.55 | | | | |
| 20 | 16QAM | 1 | 49 | 21.53 | 21.55 | 21.59 | | | 23.5 | 1 |
| 20 | 16QAM | 1 | 99 | 21.54 | 21.51 | 21.53 | | | | |
| 20 | 16QAM | 50 | 0 | 20.74 | 20.75 | 20.75 | | | | |
| 20 | 16QAM | 50 | 24 | 20.69 | 20.73 | 20.67 | | | 22.5 | 2 |
| 20 | 16QAM | 50 | 50 | 20.73 | 20.77 | 20.73 | | | | |
| 20 | 16QAM | 100 | 0 | 20.68 | 20.74 | 20.63 | | | | |
| 20 | 84QAM | 1 | 0 | 20.54 | 20.55 | 20.62 | | | | |
| 20 | 84QAM | 1 | 49 | 20.57 | 20.59 | 20.50 | | | 22.5 | 2 |
| 20 | 84QAM | 50 | 0 | 20.59 | 20.51 | 20.51 | | | | |
| 20 | 84QAM | 50 | 24 | 19.58 | 19.57 | 19.57 | | | 21.5 | 3 |
| 20 | 84QAM | 50 | 50 | 19.52 | 19.52 | 19.59 | | | | |
| 20 | 84QAM | 100 | 0 | 17.56 | 17.59 | 17.64 | | | | |
| 20 | 84QAM | 100 | 24 | 17.58 | 17.58 | 17.58 | | | | |
| 20 | 84QAM | 100 | 50 | 17.54 | 17.54 | 17.54 | | | 19.5 | 5 |
| 20 | 256QAM | 1 | 49 | 17.55 | 17.51 | 17.52 | | | | |
| 20 | 256QAM | 1 | 99 | 17.55 | 17.51 | 17.52 | | | | |
| 20 | 256QAM | 50 | 0 | 17.56 | 17.52 | 17.52 | | | | |
| 20 | 256QAM | 50 | 24 | 17.54 | 17.58 | 17.58 | | | 19.5 | 5 |
| 20 | 256QAM | 50 | 50 | 17.50 | 17.72 | 17.67 | | | | |
| 20 | 256QAM | 100 | 0 | 17.41 | 17.68 | 17.65 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.57 | 22.56 | 22.54 | | | | |
| 15 | QPSK | 1 | 37 | 22.54 | 22.54 | 22.54 | | | 24.5 | 0 |
| 15 | QPSK | 1 | 74 | 22.54 | 22.56 | 22.54 | | | | |
| 15 | QPSK | 36 | 0 | 21.53 | 21.58 | 21.62 | | | | |
| 15 | QPSK | 36 | 25 | 21.58 | 21.51 | 21.64 | | | 23.5 | 1 |
| 15 | QPSK | 36 | 39 | 21.50 | 21.59 | 21.54 | | | | |
| 15 | QPSK | 75 | 0 | 21.52 | 21.59 | 21.56 | | | | |
| 15 | 16QAM | 75 | 0 | 21.60 | 21.55 | 21.65 | | | | |
| 15 | 16QAM | 1 | 37 | 21.58 | 21.57 | 21.73 | | | 23.5 | 1 |
| 15 | 16QAM | 1 | 74 | 21.57 | 21.59 | 21.72 | | | | |
| 15 | 16QAM | 36 | 0 | 20.79 | 20.84 | 20.72 | | | | |
| 15 | 16QAM | 36 | 25 | 20.75 | 20.80 | 20.70 | | | 22.5 | 2 |
| 15 | 16QAM | 36 | 39 | 20.79 | 20.82 | 20.72 | | | | |
| 15 | 16QAM | 75 | 0 | 20.84 | 20.84 | 20.79 | | | | |
| 15 | 84QAM | 1 | 0 | 20.38 | 20.38 | 20.30 | | | 22.5 | 2 |
| 15 | 84QAM | 1 | 37 | 20.39 | 20.41 | 20.32 | | | | |
| 15 | 84QAM | 1 | 74 | 20.35 | 20.40 | 20.32 | | | | |
| 15 | 84QAM | 36 | 0 | 19.59 | 19.65 | 19.60 | | | 21.5 | 3 |
| 15 | 84QAM | 36 | 25 | 19.63 | 19.58 | 19.63 | | | | |
| 15 | 84QAM | 36 | 39 | 19.57 | 19.53 | 19.57 | | | | |
| 15 | 84QAM | 75 | 0 | 19.65 | 19.70 | 19.62 | | | | |
| 15 | 256QAM | 1 | 37 | 17.50 | 17.51 | 17.51 | | | 19.5 | 5 |
| 15 | 256QAM | 1 | 74 | 17.58 | 17.53 | 17.52 | | | | |
| 15 | 256QAM | 36 | 0 | 17.56 | 17.52 | 17.52 | | | | |
| 15 | 256QAM | 36 | 25 | 17.52 | 17.72 | 17.65 | | | 19.5 | 5 |
| 15 | 256QAM | 36 | 39 | 17.74 | 17.76 | 17.69 | | | | |
| 15 | 256QAM | 75 | 0 | 17.61 | 17.69 | 17.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.00 | 22.11 | 22.03 | | | | |
| 10 | QPSK | 1 | 25 | 22.01 | 22.12 | 22.07 | | | 23.5 | 0 |
| 10 | QPSK | 1 | 49 | 21.88 | 22.00 | 21.98 | | | | |
| 10 | QPSK | 12 | 0 | 21.76 | 21.87 | 21.81 | | | | |
| 10 | QPSK | 25 | 12 | 21.82 | 21.82 | 21.84 | | | 23 | 0.5 |
| 10 | QPSK | 25 | 25 | 21.86 | 21.73 | 21.83 | | | | |
| 10 | QPSK | 50 | 0 | 20.54 | 20.52 | 20.58 | | | | |
| 10 | 16QAM | 1 | 0 | 21.74 | 21.71 | 21.68 | | | 23 | 0.5 |
| 10 | 16QAM | 1 | 25 | 21.52 | 21.68 | 21.58 | | | | |
| 10 | 16QAM | 12 | 0 | 20.52 | 20.58 | 20.52 | | | 22 | 1.5 |
| 10 | 16QAM | 25 | 12 | 20.47 | 20.63 | 20.48 | | | | |
| 10 | 16QAM | 25 | 25 | 20.56 | 20.69 | 20.57 | | | | |
| 10 | 16QAM | 50 | 0 | 20.49 | 20.63 | 20.50 | | | | |
| 10 | 84QAM | 1 | 0 | 20.39 | 20.47 | 20.37 | | | 22 | 1.5 |
| 10 | 84QAM | 1 | 25 | 20.31 | 20.43 | 20.32 | | | | |
| 10 | 84QAM | 1 | 49 | 20.25 | 20.42 | 20.32 | | | | |
| 10 | 84QAM | 25 | 0 | 19.68 | 19.65 | 19.59 | | | 21 | 2.5 |
| 10 | 84QAM | 25 | 12 | 19.50 | 19.62 | 19.50 | | | | |
| 10 | 84QAM | 50 | 0 | 19.40 | 19.35 | 19.43 | | | | |
| 10 | 84QAM | 50 | 25 | 19.48 | 19.62 | 19.50 | | | | |
| 10 | 84QAM | 100 | 0 | 17.71 | 17.84 | 17.72 | | | 19 | 4.5 |
| 10 | 256QAM | 1 | 25 | 17.72 | 17.82 | 17.68 | | | | |
| 10 | 256QAM | 1 | 49 | 17.63 | 17.86 | 17.62 | | | | |
| 10 | 256QAM | 12 | 0 | 17.79 | 17.75 | 17.64 | | | 19 | 4.5 |
| 10 | 256QAM | 25 | 12 | 17.43 | 17.59 | 17.58 | | | | |
| 10 | 256QAM | 25 | 25 | 17.68 | 17.70 | 17.64 | | | | |
| 10 | 256QAM | 50 | 0 | 17.57 | 17.61 | 17.58 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.00 | 22.11 | 22.03 | | | | |
| 5 | QPSK | 1 | 12 | 21.90 | 22.13 | 22.10 | | | 23.5 | 0 |
| 5 | QPSK | 1 | 24 | 21.84 | 22.02 | 21.96 | | | | |
| 5 | QPSK | 12 | 0 | 21.76 | 21.87 | 21.81 | | | | |
| 5 | QPSK | 12 | 7 | 21.72 | 21.83 | 21.83 | | | 23 | 0.5 |
| 5 | QPSK | 12 | 13 | 21.68 | 21.73 | 21.81 | | | | |
| 5 | QPSK | 25 | 0 | 21.74 | 21.83 | 21.79 | | | | |
| 5 | 16QAM | 1 | 0 | 21.84 | 21.77 | 21.84 | | | 23 | 0.5 |
| 5 | 16QAM | 1 | 12 | 21.48 | 21.66 | 21.62 | | | | |
| 5 | 16QAM | 12 | 0 | 20.83 | 20.71 | 20.65 | | | 22 | 1.5 |
| 5 | 16QAM | 12 | 7 | 20.45 | 20.61 | 20.51 | | | | |
| 5 | 16QAM | 25 | 12 | 20.83 | 20.71 | 20.65 | | | | |
| 5 | 16QAM | 25 | 0 | 20.48 | 20.58 | 20.51 | | | 22 | 1.5 |
| 5 | 84QAM | 1 | 0 | 20.32 | 20.41 | 20.41 | | | | |
| 5 | 84QAM | 1 | 12 | 20.23 | 20.44 | 20.27 | | | 22 | 1.5 |
| 5 | 84QAM | 1 | 24 | 20.31 | 20.39 | 20.28 | | | | |
| 5 | 84QAM | 12 | 0 | 19.68 | 19.74 | 19.57 | | | 21 | 2.5 |
| 5 | 84QAM | 12 | 7 | 19.48 | 19.60 | 19.54 | | | | |
| 5 | 84QAM | 12 | 13 | 19.56 | 19.63 | 19.63 | | | | |
| 5 | 84QAM | 25 | 0 | 19.44 | 19.61 | 19.49 | | | | |
| 5 | 84QAM | 25 | 0 | 17.74 | 17.78 | 17.75 | | | 19 | 4.5 |
| 5 | 256QAM | 1 | 12 | 17.75 | 17.75 | 17.63 | | | | |
| 5 | 256QAM | 1 | 24 | 17.58 | 17.72 | 17.70 | | | | |
| 5 | 256QAM | 12 | 0 | 17.69 | 17.68 | 17.62 | | | 19 | 4.5 |
| 5 | 256QAM | 12 | 7 | 17.49 | 17.57 | 17.54 | | | | |
| 5 | 256QAM | 12 | 13 | 17.55 | 17.73 | 17.69 | | | | |
| 5 | 256QAM | 50 | 0 | 17.53 | 17.75 | 17.63 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 22.54 | 22.57 | 22.51 | | | | |
| 3 | QPSK | 1 | 8 | 22.57 | 22.57 | 22.56 | | | 24.5 | 0 |
| 3 | QPSK | 1 | 14 | 22.54 | 22.54 | 22.55 | | | | |
| 3 | QPSK | 8 | 0 | 21.56 | 21.56 | 21.57 | | | | |
| 3 | QPSK | 8 | 4 | 21.56 | 21.56 | 21.63 | | | 23.5 | 1 |
| 3 | QPSK | 8 | 7 | 21.58 | 21.63 | 21.53 | | | | |
| 3 | QPSK | 15 | 0 | 21.59 | 21.65 | 21.65 | | | | |
| 3 | 16QAM | 1 | 0 | 21.58 | 21.74 | 21.58 | | | 23.5 | 1 |
| 3 | 16QAM | 1 | 8 | 21.58 | 21.54 | 21.66 | | | | |
| 3 | 16QAM | 8 | 0 | 20.81 | 20.94 | 20.70 | | | 22.5 | 2 |
| 3 | 16QAM | 8 | 4 | 20.77 | 20.78 | 20.78 | | | | |
| 3 | 16QAM | 15 | 0 | 20.67 | 20.68 | 20.72 | | | | |
| 3 | 16QAM | 15 | 0 | 20.73 | 20.73 | 20.84 | | | 22.5 | 2 |
| 3 | 84QAM | 1 | 0 | 20.64 | 20.66 | 20.74 | | | | |
| 3 | 84QAM | 1 | 8 | 20.59 | 20.55 | 20.58 | | | 22.5 | 2 |
| 3 | 84QAM | 1 | 14 | 20.69 | 20.64 | 20.53 | | | | |
| 3 | 84QAM | 8 | 0 | 19.58 | 19.74 | 19.61 | | | 21.5 | 3 |
| 3 | 84QAM | 8 | | | | | | | | |



| Band 38 Main PA Ant3 | | | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.94 | 23.12 | 23.30 | 24.5 | 0 | | | | |
| 20 | QPSK | 1 | 49 | 22.80 | 23.04 | 23.24 | | | | | | |
| 20 | QPSK | 50 | 24 | 22.80 | 23.04 | 23.24 | | | | | | |
| 20 | QPSK | 50 | 24 | 22.28 | 22.19 | 22.18 | | | | | | |
| 20 | QPSK | 100 | 0 | 22.07 | 22.17 | 22.07 | | | | | | |
| 20 | 16QAM | 1 | 0 | 22.94 | 23.10 | 23.26 | 23.5 | 1 | | | | |
| 20 | 16QAM | 1 | 49 | 21.95 | 21.97 | 21.99 | | | | | | |
| 20 | 16QAM | 1 | 99 | 21.95 | 22.00 | 21.95 | | | | | | |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.15 | 21.08 | | | | | | |
| 20 | 16QAM | 50 | 24 | 20.94 | 21.07 | 20.98 | | | | | | |
| 20 | 16QAM | 100 | 0 | 21.00 | 21.11 | 21.07 | 22.5 | 2 | | | | |
| 20 | 16QAM | 100 | 0 | 20.73 | 20.85 | 20.74 | | | | | | |
| 20 | 16QAM | 1 | 49 | 20.70 | 20.77 | 20.88 | | | | | | |
| 20 | 16QAM | 1 | 99 | 20.61 | 20.73 | 20.86 | | | | | | |
| 20 | 16QAM | 50 | 24 | 20.24 | 20.17 | 20.25 | | | | | | |
| 20 | 16QAM | 50 | 24 | 19.95 | 20.08 | 20.20 | 21.5 | 3 | | | | |
| 20 | 16QAM | 100 | 0 | 20.10 | 20.13 | 20.04 | | | | | | |
| 20 | 16QAM | 100 | 0 | 19.94 | 20.05 | 20.02 | | | | | | |
| 20 | 25QAM | 1 | 0 | 17.84 | 17.87 | 17.83 | | | | | | |
| 20 | 25QAM | 1 | 49 | 17.84 | 17.84 | 17.79 | | | | | | |
| 20 | 25QAM | 1 | 99 | 17.79 | 17.89 | 17.76 | 19.5 | 5 | | | | |
| 20 | 25QAM | 50 | 0 | 17.80 | 17.89 | 18.03 | | | | | | |
| 20 | 25QAM | 50 | 24 | 17.08 | 18.08 | 17.96 | | | | | | |
| 20 | 25QAM | 50 | 24 | 18.09 | 18.14 | 18.09 | | | | | | |
| 20 | 25QAM | 100 | 0 | 17.76 | 17.84 | 17.84 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.73 | 22.95 | 23.15 | 24.5 | 0 | | | | |
| 15 | QPSK | 1 | 37 | 22.82 | 22.80 | 22.86 | | | | | | |
| 15 | QPSK | 1 | 74 | 22.86 | 22.85 | 22.77 | | | | | | |
| 15 | QPSK | 36 | 20 | 21.94 | 22.06 | 22.12 | | | | | | |
| 15 | QPSK | 36 | 20 | 21.92 | 21.89 | 21.83 | | | | | | |
| 15 | QPSK | 75 | 0 | 22.00 | 22.08 | 21.94 | 23.5 | 1 | | | | |
| 15 | 16QAM | 1 | 0 | 22.21 | 22.26 | 21.88 | | | | | | |
| 15 | 16QAM | 1 | 37 | 21.88 | 21.92 | 21.82 | | | | | | |
| 15 | 16QAM | 1 | 74 | 21.88 | 21.90 | 21.82 | | | | | | |
| 15 | 16QAM | 36 | 0 | 20.95 | 21.08 | 20.94 | | | | | | |
| 15 | 16QAM | 36 | 20 | 20.83 | 20.92 | 20.88 | 22.5 | 2 | | | | |
| 15 | 16QAM | 75 | 0 | 20.71 | 20.75 | 20.81 | | | | | | |
| 15 | 16QAM | 75 | 0 | 20.58 | 20.68 | 20.80 | | | | | | |
| 15 | 16QAM | 1 | 37 | 20.58 | 20.68 | 20.80 | | | | | | |
| 15 | 16QAM | 1 | 74 | 20.51 | 20.60 | 20.58 | | | | | | |
| 15 | 16QAM | 36 | 0 | 19.96 | 20.02 | 19.92 | 21.5 | 3 | | | | |
| 15 | 16QAM | 36 | 20 | 19.87 | 20.04 | 19.93 | | | | | | |
| 15 | 16QAM | 75 | 0 | 19.84 | 19.94 | 19.90 | | | | | | |
| 15 | 16QAM | 75 | 0 | 19.73 | 19.82 | 19.80 | | | | | | |
| 15 | 16QAM | 1 | 37 | 17.73 | 17.82 | 17.73 | | | | | | |
| 15 | 25QAM | 1 | 0 | 17.69 | 17.81 | 17.65 | 19.5 | 5 | | | | |
| 15 | 25QAM | 36 | 0 | 18.02 | 18.06 | 17.93 | | | | | | |
| 15 | 25QAM | 36 | 20 | 17.90 | 17.99 | 17.92 | | | | | | |
| 15 | 25QAM | 36 | 39 | 18.04 | 18.01 | 18.02 | | | | | | |
| 15 | 25QAM | 75 | 0 | 17.82 | 17.96 | 17.82 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.28 | 22.19 | 22.10 | 24.5 | 0 | | | | |
| 10 | QPSK | 1 | 25 | 22.27 | 22.96 | 22.82 | | | | | | |
| 10 | QPSK | 1 | 49 | 22.82 | 22.81 | 22.74 | | | | | | |
| 10 | QPSK | 25 | 12 | 22.04 | 22.12 | 22.08 | | | | | | |
| 10 | QPSK | 25 | 12 | 22.01 | 22.07 | 22.00 | | | | | | |
| 10 | QPSK | 25 | 25 | 22.06 | 22.00 | 22.00 | 23.5 | 1 | | | | |
| 10 | QPSK | 25 | 25 | 22.02 | 22.12 | 22.01 | | | | | | |
| 10 | 16QAM | 1 | 0 | 21.96 | 22.05 | 21.96 | | | | | | |
| 10 | 16QAM | 1 | 25 | 21.96 | 21.98 | 21.88 | | | | | | |
| 10 | 16QAM | 1 | 49 | 21.87 | 21.93 | 21.89 | | | | | | |
| 10 | 16QAM | 25 | 0 | 20.95 | 21.08 | 20.96 | 22.5 | 2 | | | | |
| 10 | 16QAM | 25 | 19 | 20.87 | 20.83 | 20.89 | | | | | | |
| 10 | 16QAM | 25 | 26 | 20.85 | 20.97 | 21.00 | | | | | | |
| 10 | 16QAM | 1 | 0 | 20.68 | 20.72 | 20.68 | | | | | | |
| 10 | 16QAM | 1 | 25 | 20.65 | 20.70 | 20.59 | | | | | | |
| 10 | 16QAM | 1 | 49 | 20.57 | 20.62 | 20.62 | 22.5 | 2 | | | | |
| 10 | 16QAM | 25 | 0 | 20.09 | 20.14 | 20.07 | | | | | | |
| 10 | 16QAM | 25 | 12 | 19.91 | 20.00 | 19.98 | | | | | | |
| 10 | 16QAM | 25 | 25 | 20.06 | 20.07 | 19.95 | | | | | | |
| 10 | 16QAM | 50 | 0 | 19.81 | 19.91 | 19.92 | | | | | | |
| 10 | 25QAM | 1 | 0 | 17.79 | 17.85 | 17.81 | 19.5 | 5 | | | | |
| 10 | 25QAM | 1 | 25 | 17.73 | 17.82 | 17.73 | | | | | | |
| 10 | 25QAM | 1 | 49 | 17.76 | 17.82 | 17.83 | | | | | | |
| 10 | 25QAM | 25 | 0 | 17.59 | 18.05 | 17.93 | | | | | | |
| 10 | 25QAM | 25 | 12 | 17.66 | 18.00 | 17.96 | | | | | | |
| 10 | 25QAM | 25 | 25 | 17.07 | 18.02 | 17.99 | 19.5 | 5 | | | | |
| 10 | 25QAM | 50 | 0 | 17.86 | 17.87 | 17.82 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.90 | 23.01 | 22.99 | | | | 24.5 | 0 | |
| 5 | QPSK | 1 | 19 | 22.78 | 22.92 | 22.87 | | | | | | |
| 5 | QPSK | 1 | 24 | 22.78 | 22.84 | 22.82 | | | | | | |
| 5 | QPSK | 10 | 0 | 22.69 | 22.14 | 22.09 | | | | | | |
| 5 | QPSK | 10 | 7 | 22.03 | 22.12 | 22.09 | | | | | | |
| 5 | QPSK | 12 | 18 | 22.00 | 22.02 | 21.96 | 23.5 | 1 | | | | |
| 5 | QPSK | 25 | 0 | 21.97 | 22.05 | 21.96 | | | | | | |
| 5 | 16QAM | 1 | 0 | 21.93 | 22.04 | 21.89 | | | | | | |
| 5 | 16QAM | 1 | 12 | 21.84 | 21.95 | 21.90 | | | | | | |
| 5 | 16QAM | 1 | 24 | 21.84 | 21.86 | 21.80 | | | | | | |
| 5 | 16QAM | 12 | 7 | 20.87 | 20.99 | 20.94 | 22.5 | 2 | | | | |
| 5 | 16QAM | 12 | 13 | 20.85 | 20.97 | 20.93 | | | | | | |
| 5 | 16QAM | 25 | 0 | 20.84 | 20.91 | 20.80 | | | | | | |
| 5 | 16QAM | 1 | 0 | 20.89 | 20.74 | 20.88 | | | | | | |
| 5 | 16QAM | 1 | 12 | 20.97 | 20.84 | 20.98 | | | | | | |
| 5 | 16QAM | 1 | 24 | 20.94 | 20.70 | 20.95 | 22.5 | 2 | | | | |
| 5 | 16QAM | 12 | 13 | 20.97 | 20.10 | 19.91 | | | | | | |
| 5 | 16QAM | 25 | 0 | 19.96 | 20.09 | 19.98 | | | | | | |
| 5 | 16QAM | 25 | 0 | 19.81 | 19.95 | 19.88 | | | | | | |
| 5 | 16QAM | 25 | 0 | 19.63 | 19.94 | 19.92 | | | | | | |
| 5 | 25QAM | 1 | 0 | 17.80 | 17.88 | 17.79 | 19.5 | 5 | | | | |
| 5 | 25QAM | 1 | 12 | 17.79 | 17.81 | 17.75 | | | | | | |
| 5 | 25QAM | 1 | 24 | 17.74 | 17.82 | 17.83 | | | | | | |
| 5 | 25QAM | 12 | 0 | 18.00 | 18.14 | 17.92 | | | | | | |
| 5 | 25QAM | 12 | 7 | 17.94 | 18.02 | 17.86 | | | | | | |
| 5 | 25QAM | 12 | 13 | 17.97 | 18.11 | 18.03 | 19.5 | 5 | | | | |
| 5 | 25QAM | 25 | 0 | 17.82 | 17.94 | 17.86 | | | | | | |

| Band 41 Main PA Ant3 | | | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|----|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.12 | 23.30 | 23.48 | 24.5 | 0 | | | | |
| 20 | QPSK | 1 | 49 | 23.03 | 23.28 | 23.12 | | | | | | |
| 20 | QPSK | 50 | 24 | 23.01 | 23.12 | 23.07 | | | | | | |
| 20 | QPSK | 50 | 0 | 22.30 | 22.20 | 22.21 | | | | | | |
| 20 | QPSK | 50 | 24 | 22.63 | 22.15 | 22.30 | | | | | | |
| 20 | QPSK | 100 | 0 | 22.17 | 22.12 | 22.08 | 23.5 | 1 | | | | |
| 20 | QPSK | 100 | 0 | 22.18 | 22.15 | 22.30 | | | | | | |
| 20 | 16QAM | 1 | 0 | 22.11 | 22.17 | 22.17 | | | | | | |
| 20 | 16QAM | 1 | 49 | 22.14 | 22.05 | 22.19 | | | | | | |
| 20 | 16QAM | 1 | 99 | 22.02 | 22.08 | 22.14 | | | | | | |
| 20 | 16QAM | 50 | 24 | 21.17 | 21.26 | 21.28 | 22.5 | 2 | | | | |
| 20 | 16QAM | 50 | 24 | 21.07 | 21.09 | 21.18 | | | | | | |
| 20 | 16QAM | 50 | 50 | 21.17 | 21.11 | 21.27 | | | | | | |
| 20 | 16QAM | 100 | 0 | 21.08 | 21.09 | 21.05 | | | | | | |
| 20 | 16QAM | 100 | 0 | 20.85 | 20.95 | 20.97 | | | | | | |
| 20 | 16QAM | 1 | 49 | 20.71 | 20.78 | 20.83 | 22.5 | 2 | | | | |
| 20 | 16QAM | 1 | 99 | 20.78 | 20.83 | 20.78 | | | | | | |
| 20 | 16QAM | 50 | 24 | 20.18 | 20.12 | 20.25 | | | | | | |
| 20 | 16QAM | 50 | 24 | 20.08 | 20.09 | 20.21 | | | | | | |
| 20 | 16QAM | 100 | 0 | 20.07 | 20.03 | 20.11 | | | | | | |
| 20 | 25QAM | 1 | 0 | 18.06 | 17.94 | 18.09 | 19.5 | 5 | | | | |
| 20 | 25QAM | 1 | 49 | 17.80 | 18.00 | 17.87 | | | | | | |
| 20 | 25QAM | 1 | 99 | 17.89 | 17.82 | 18.02 | | | | | | |
| 20 | 25QAM | 50 | 0 | 18.08 | 18.14 | 18.03 | | | | | | |
| 20 | 25QAM | 50 | 24 | 18.11 | 18.06 | 18.20 | | | | | | |
| 20 | 25QAM | 50 | 24 | 18.12 | 18.17 | 18.21 | 19.5 | 5 | | | | |
| 20 | 25QAM | 100 | 0 | 18.05 | 18.10 | 18.04 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 22.93 | 23.10 | 23.27 | | | | 25 | 0 | |
| 16 | QPSK | 1 | 37 | 22.99 | 22.88 | 23.04 | | | | | | |
| 16 | QPSK | 1 | 74 | 22.94 | 22.89 | 23.01 | | | | | | |
| 16 | QPSK | 36 | 0 | 22.21 | 22.28 | 22.29 | | | | | | |
| 16 | QPSK | 36 | 20 | 22.13 | 22.08 | 22.16 | | | | | | |
| 16 | QPSK | 36 | 20 | 22.10 | 22.11 | 22.10 | 23.5 | 1 | | | | |
| 16 | QPSK | 75 | 0 | 22.00 | 22.11 | 22.10 | | | | | | |
| 16 | 16QAM | 1 | 0 | 22.00 | 22.11 | 22.07 | | | | | | |
| 16 | 16QAM | 1 | 37 | 22.04 | 22.06 | 22.10 | | | | | | |
| 16 | 16QAM | 1 | 74 | 21.87 | 21.94 | 22.00 | | | | | | |
| 16 | 16QAM | 36 | 0 | 21.09 | 21.16 | 21.15 | 22.5 | 2 | | | | |
| 16 | 16QAM | 36 | 20 | 21.02 | 20.98 | 21.04 | | | | | | |
| 16 | 16QAM | 36 | 39 | 21.03 | 21.02 | 21.24 | | | | | | |
| 16 | 16QAM | 75 | 0 | 20.93 | 21.00 | 20.90 | | | | | | |
| 16 | 16QAM | 75 | 0 | 20.73 | 20.78 | 20.89 | | | | | | |
| 16 | 16QAM | 1 | 37 | 20.71 | 20.74 | 20.73 | 22.5 | 2 | | | | |
| 16 | 16QAM | 1 | 74 | 20.73 | 20.66 | 20.79 | | | | | | |
| | | | | | | | | | | | | |



| Band 2 Main PA Ant4 | | | | | | | | | | |
|---------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------|----------|------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (sec) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 1860 1860 1900 | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.26 | 23.33 | 23.31 | | | 24.5 | 0 |
| 20 | QPSK | 1 | 49 | 23.18 | 23.22 | 23.16 | | | | |
| 20 | QPSK | 1 | 99 | 23.18 | 23.22 | 23.16 | | | | |
| 20 | QPSK | 50 | 0 | 22.36 | 22.42 | 22.36 | | | 23.5 | 1 |
| 20 | QPSK | 50 | 24 | 22.36 | 22.38 | 22.34 | | | | |
| 20 | QPSK | 50 | 50 | 22.16 | 22.31 | 22.23 | | | | |
| 20 | QPSK | 100 | 0 | 22.33 | 22.37 | 22.28 | | | | |
| 20 | 16QAM | 100 | 0 | 22.72 | 22.74 | 22.72 | | | | |
| 20 | 16QAM | 1 | 49 | 22.68 | 22.78 | 22.68 | | | 23.5 | 1 |
| 20 | 16QAM | 1 | 99 | 22.68 | 22.74 | 22.63 | | | | |
| 20 | 16QAM | 50 | 0 | 21.33 | 21.36 | 21.28 | | | 22.5 | 2 |
| 20 | 16QAM | 50 | 24 | 21.17 | 21.32 | 21.27 | | | | |
| 20 | 16QAM | 50 | 50 | 21.29 | 21.38 | 21.25 | | | | |
| 20 | 16QAM | 100 | 0 | 21.26 | 21.30 | 21.22 | | | | |
| 20 | 84QAM | 1 | 0 | 21.39 | 21.52 | 21.41 | | | 22.5 | 2 |
| 20 | 84QAM | 1 | 49 | 21.43 | 21.46 | 21.39 | | | | |
| 20 | 84QAM | 1 | 99 | 21.36 | 21.45 | 21.31 | | | | |
| 20 | 84QAM | 50 | 0 | 20.43 | 20.47 | 20.41 | | | 21.5 | 3 |
| 20 | 84QAM | 50 | 24 | 20.59 | 20.38 | 20.31 | | | | |
| 20 | 84QAM | 50 | 50 | 20.35 | 20.34 | 20.30 | | | | |
| 20 | 256QAM | 100 | 0 | 20.22 | 20.35 | 20.30 | | | | |
| 20 | 256QAM | 1 | 49 | 18.40 | 18.47 | 18.33 | | | 19.5 | 5 |
| 20 | 256QAM | 1 | 99 | 18.34 | 18.42 | 18.33 | | | | |
| 20 | 256QAM | 50 | 0 | 18.24 | 18.35 | 18.24 | | | 19.5 | 5 |
| 20 | 256QAM | 50 | 24 | 18.31 | 18.35 | 18.24 | | | | |
| 20 | 256QAM | 50 | 50 | 18.30 | 18.40 | 18.34 | | | | |
| 20 | 256QAM | 100 | 0 | 18.27 | 18.27 | 18.27 | | | | |
| Channel | | | | | | | | | | |
| 1867.5 1860 1902.5 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.21 | 23.28 | 23.18 | | | 24.5 | 0 |
| 15 | QPSK | 1 | 37 | 23.19 | 23.19 | 23.14 | | | | |
| 15 | QPSK | 1 | 74 | 23.15 | 23.12 | 23.06 | | | | |
| 15 | QPSK | 36 | 0 | 22.30 | 22.32 | 22.31 | | | 23.5 | 1 |
| 15 | QPSK | 36 | 25 | 22.18 | 22.26 | 22.20 | | | | |
| 15 | QPSK | 36 | 39 | 22.11 | 22.22 | 22.19 | | | | |
| 15 | QPSK | 75 | 0 | 22.19 | 22.25 | 22.19 | | | | |
| 15 | 16QAM | 1 | 0 | 22.60 | 22.66 | 22.57 | | | 23.5 | 1 |
| 15 | 16QAM | 1 | 37 | 22.62 | 22.70 | 22.62 | | | | |
| 15 | 16QAM | 1 | 74 | 22.61 | 22.65 | 22.59 | | | | |
| 15 | 16QAM | 36 | 0 | 21.20 | 21.30 | 21.16 | | | 22.5 | 2 |
| 15 | 16QAM | 36 | 20 | 21.13 | 21.20 | 21.12 | | | | |
| 15 | 84QAM | 1 | 0 | 21.37 | 21.47 | 21.37 | | | 22.5 | 2 |
| 15 | 84QAM | 1 | 37 | 21.36 | 21.43 | 21.33 | | | | |
| 15 | 84QAM | 1 | 74 | 21.29 | 21.35 | 21.23 | | | | |
| 15 | 84QAM | 36 | 0 | 20.36 | 20.35 | 20.33 | | | 21.5 | 3 |
| 15 | 84QAM | 36 | 20 | 20.36 | 20.36 | 20.30 | | | | |
| 15 | 84QAM | 36 | 39 | 20.32 | 20.35 | 20.25 | | | | |
| 15 | 84QAM | 75 | 0 | 20.12 | 20.21 | 20.15 | | | | |
| 15 | 256QAM | 1 | 0 | 18.28 | 18.32 | 18.28 | | | 19.5 | 5 |
| 15 | 256QAM | 1 | 37 | 18.27 | 18.41 | 18.30 | | | | |
| 15 | 256QAM | 1 | 74 | 18.30 | 18.39 | 18.19 | | | | |
| 15 | 256QAM | 36 | 0 | 18.26 | 18.35 | 18.26 | | | 19.5 | 5 |
| 15 | 256QAM | 36 | 20 | 18.18 | 18.25 | 18.11 | | | | |
| 15 | 256QAM | 36 | 39 | 18.17 | 18.34 | 18.27 | | | | |
| 15 | 256QAM | 75 | 0 | 18.23 | 18.27 | 18.21 | | | 20.5 | 5 |
| Channel | | | | | | | | | | |
| 1865 1860 1905 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.18 | 24.17 | 24.17 | | | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 24.14 | 24.14 | 24.16 | | | | |
| 10 | QPSK | 1 | 49 | 24.11 | 24.13 | 24.16 | | | | |
| 10 | QPSK | 1 | 74 | 24.11 | 24.16 | 24.12 | | | 24.5 | 1 |
| 10 | QPSK | 25 | 0 | 23.20 | 23.23 | 23.28 | | | | |
| 10 | QPSK | 25 | 12 | 23.20 | 23.33 | 23.28 | | | | |
| 10 | QPSK | 25 | 25 | 23.18 | 23.33 | 23.28 | | | | |
| 10 | QPSK | 75 | 0 | 23.26 | 23.32 | 23.32 | | | | |
| 10 | 16QAM | 1 | 0 | 22.61 | 22.72 | 22.62 | | | 24.5 | 1 |
| 10 | 16QAM | 1 | 25 | 22.61 | 22.73 | 22.56 | | | | |
| 10 | 16QAM | 1 | 49 | 22.60 | 22.66 | 22.60 | | | | |
| 10 | 16QAM | 25 | 0 | 21.27 | 21.29 | 21.19 | | | 22.5 | 2 |
| 10 | 16QAM | 25 | 12 | 21.09 | 21.23 | 21.15 | | | | |
| 10 | 16QAM | 25 | 49 | 21.18 | 21.27 | 21.14 | | | | |
| 10 | 16QAM | 50 | 0 | 21.17 | 21.16 | 21.15 | | | | |
| 10 | 84QAM | 1 | 0 | 21.26 | 21.43 | 21.33 | | | 22.5 | 2 |
| 10 | 84QAM | 1 | 25 | 21.37 | 21.47 | 21.37 | | | | |
| 10 | 84QAM | 1 | 49 | 21.24 | 21.28 | 21.27 | | | | |
| 10 | 84QAM | 25 | 0 | 20.35 | 20.43 | 20.36 | | | 21.5 | 3 |
| 10 | 84QAM | 25 | 12 | 20.36 | 20.38 | 20.29 | | | | |
| 10 | 84QAM | 25 | 25 | 20.28 | 20.39 | 20.29 | | | | |
| 10 | 84QAM | 50 | 0 | 20.09 | 20.22 | 20.23 | | | | |
| 10 | 256QAM | 1 | 0 | 18.34 | 18.44 | 18.27 | | | 19.5 | 5 |
| 10 | 256QAM | 1 | 25 | 18.32 | 18.42 | 18.22 | | | | |
| 10 | 256QAM | 1 | 49 | 18.34 | 18.33 | 18.23 | | | | |
| 10 | 256QAM | 25 | 0 | 18.30 | 18.35 | 18.25 | | | 19.5 | 5 |
| 10 | 256QAM | 25 | 12 | 18.26 | 18.28 | 18.16 | | | | |
| 10 | 256QAM | 25 | 25 | 18.22 | 18.29 | 18.19 | | | | |
| 10 | 256QAM | 50 | 0 | 18.23 | 18.34 | 18.21 | | | 20.5 | 5 |
| Channel | | | | | | | | | | |
| 1862.5 1860 1917.5 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.18 | 24.17 | 24.17 | | | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 24.13 | 24.13 | 24.16 | | | | |
| 5 | QPSK | 1 | 24 | 24.09 | 24.09 | 24.12 | | | | |
| 5 | QPSK | 12 | 0 | 23.14 | 23.14 | 23.16 | | | 24.5 | 1 |
| 5 | QPSK | 12 | 7 | 23.27 | 23.38 | 23.23 | | | | |
| 5 | QPSK | 12 | 13 | 23.14 | 23.28 | 23.28 | | | | |
| 5 | QPSK | 25 | 0 | 23.18 | 23.43 | 23.31 | | | | |
| 5 | 16QAM | 1 | 0 | 22.59 | 22.72 | 22.60 | | | 24.5 | 1 |
| 5 | 16QAM | 1 | 12 | 22.64 | 22.69 | 22.54 | | | | |
| 5 | 16QAM | 1 | 24 | 22.61 | 22.71 | 22.60 | | | | |
| 5 | 16QAM | 12 | 0 | 21.20 | 21.28 | 21.18 | | | 22.5 | 2 |
| 5 | 16QAM | 12 | 7 | 21.09 | 21.24 | 21.13 | | | | |
| 5 | 16QAM | 12 | 13 | 21.24 | 21.31 | 21.14 | | | | |
| 5 | 16QAM | 25 | 0 | 21.14 | 21.21 | 21.12 | | | 22.5 | 2 |
| 5 | 84QAM | 1 | 0 | 21.26 | 21.40 | 21.30 | | | | |
| 5 | 84QAM | 1 | 12 | 21.37 | 21.42 | 21.14 | | | | |
| 5 | 84QAM | 1 | 24 | 21.24 | 21.30 | 21.21 | | | | |
| 5 | 84QAM | 12 | 0 | 20.29 | 20.39 | 20.35 | | | 21.5 | 3 |
| 5 | 84QAM | 12 | 7 | 20.17 | 20.24 | 20.18 | | | | |
| 5 | 84QAM | 12 | 13 | 20.25 | 20.31 | 20.33 | | | | |
| 5 | 84QAM | 25 | 0 | 20.14 | 20.21 | 20.17 | | | | |
| 5 | 256QAM | 1 | 0 | 18.37 | 18.41 | 18.31 | | | 19.5 | 5 |
| 5 | 256QAM | 1 | 12 | 18.32 | 18.39 | 18.19 | | | | |
| 5 | 256QAM | 1 | 24 | 18.27 | 18.28 | 18.23 | | | | |
| 5 | 256QAM | 12 | 0 | 18.26 | 18.31 | 18.26 | | | 19.5 | 5 |
| 5 | 256QAM | 12 | 7 | 18.19 | 18.28 | 18.11 | | | | |
| 5 | 256QAM | 12 | 13 | 18.26 | 18.21 | 18.22 | | | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.28 | 18.21 | | | 20.5 | 5 |
| Channel | | | | | | | | | | |
| 1865 1860 1915 | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.13 | 24.13 | 24.15 | | | 25.5 | 0 |
| 3 | QPSK | 1 | 8 | 24.13 | 24.23 | 24.07 | | | | |
| 3 | QPSK | 1 | 14 | 24.13 | 24.14 | 24.12 | | | | |
| 3 | QPSK | 8 | 0 | 23.21 | 23.23 | 23.28 | | | 24.5 | 1 |
| 3 | QPSK | 8 | 4 | 23.23 | 23.31 | 23.14 | | | | |
| 3 | QPSK | 8 | 7 | 22.10 | 22.19 | 22.20 | | | | |
| 3 | QPSK | 15 | 0 | 22.22 | 22.27 | 22.18 | | | | |
| 3 | 16QAM | 1 | 0 | 22.64 | 22.77 | 22.60 | | | 23.5 | 1 |
| 3 | 16QAM | 1 | 8 | 22.65 | 22.67 | 22.59 | | | | |
| 3 | 16QAM | 1 | 14 | 22.60 | 22.67 | 22.61 | | | | |
| 3 | 16QAM | 8 | 0 | 21.21 | 21.34 | 21.17 | | | 22.5 | 2 |
| 3 | 16QAM | 8 | 4 | 21.08 | 21.19 | 21.21 | | | | |
| 3 | 16QAM | 8 | 7 | 21.15 | 21.24 | 21.12 | | | | |
| 3 | 16QAM | 15 | 0 | 21.20 | 21.21 | 21.13 | | | 22.5 | 2 |
| 3 | 84QAM | 1 | 0 | 21.29 | 21.49 | 21.38 | | | | |
| 3 | 84QAM | 1 | 8 | 21.28 | 21.39 | 21 | | | | |



| Band 25 Main PA Ant4 | | | | | | | | | |
|----------------------|-----------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Turn-up (min) | MPR (dB) | |
| Channel | | | | | | | | | |
| | Frequency (MHz) | | | 1860 | 1868 | 1905 | | | |
| 20 | QPSK | 1 | 0 | 20.31 | 20.42 | 20.27 | 24.5 | 0 | |
| 20 | QPSK | 1 | 49 | 21.29 | 21.34 | 21.24 | | | |
| 20 | QPSK | 1 | 99 | 22.16 | 22.29 | 22.21 | | | |
| 20 | QPSK | 50 | 0 | 22.24 | 22.25 | 22.26 | | | |
| 20 | QPSK | 50 | 24 | 22.22 | 22.22 | 22.21 | | | |
| 20 | QPSK | 50 | 50 | 22.16 | 22.24 | 22.12 | 23.5 | 1 | |
| 20 | QPSK | 100 | 0 | 22.16 | 22.25 | 22.26 | | | |
| 20 | QPSK | 100 | 24 | 22.55 | 22.56 | 22.56 | | | |
| 20 | 16QAM | 1 | 49 | 22.45 | 22.59 | 22.47 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 99 | 22.52 | 22.55 | 22.43 | | | |
| 20 | 16QAM | 50 | 0 | 21.31 | 21.38 | 21.28 | | | |
| 20 | 16QAM | 50 | 24 | 21.15 | 21.28 | 21.15 | 22.5 | 2 | |
| 20 | 16QAM | 50 | 50 | 21.18 | 21.32 | 21.22 | | | |
| 20 | 16QAM | 100 | 0 | 21.18 | 21.30 | 21.19 | | | |
| 20 | 64QAM | 1 | 0 | 21.44 | 21.51 | 21.47 | | | |
| 20 | 64QAM | 1 | 49 | 21.31 | 21.45 | 21.39 | 22.5 | 2 | |
| 20 | 64QAM | 1 | 99 | 21.27 | 21.41 | 21.28 | | | |
| 20 | 64QAM | 50 | 0 | 20.31 | 20.42 | 20.32 | | | |
| 20 | 64QAM | 50 | 24 | 20.19 | 20.33 | 20.22 | 21.5 | 3 | |
| 20 | 64QAM | 50 | 50 | 20.38 | 20.38 | 20.25 | | | |
| 20 | 64QAM | 100 | 0 | 20.27 | 20.30 | 20.26 | | | |
| 20 | 256QAM | 1 | 49 | 18.45 | 18.45 | 18.36 | 19.5 | 5 | |
| 20 | 256QAM | 1 | 99 | 18.38 | 18.42 | 18.32 | | | |
| 20 | 256QAM | 50 | 0 | 18.28 | 18.41 | 18.28 | | | |
| 20 | 256QAM | 50 | 24 | 18.27 | 18.31 | 18.18 | 18.5 | 5 | |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.37 | 18.33 | | | |
| 20 | 256QAM | 100 | 0 | 18.23 | 18.36 | 18.33 | | | |
| Channel | | | | | | | | | |
| | Frequency (MHz) | | | 1875 | 1880 | 1907.5 | Turn-up (min) | MPR (dB) | |
| 15 | QPSK | 1 | 0 | 23.20 | 23.36 | 23.13 | 24.5 | 0 | |
| 15 | QPSK | 1 | 37 | 23.20 | 23.29 | 23.20 | | | |
| 15 | QPSK | 1 | 74 | 23.07 | 23.16 | 23.17 | | | |
| 15 | QPSK | 36 | 0 | 22.13 | 22.26 | 22.07 | 23.5 | 1 | |
| 15 | QPSK | 36 | 20 | 22.15 | 22.11 | 22.07 | | | |
| 15 | QPSK | 36 | 36 | 22.12 | 22.09 | 22.06 | | | |
| 15 | QPSK | 75 | 0 | 22.09 | 22.16 | 22.11 | | | |
| 15 | 16QAM | 1 | 49 | 22.45 | 22.54 | 22.49 | 23.5 | 1 | |
| 15 | 16QAM | 1 | 37 | 22.38 | 22.55 | 22.33 | | | |
| 15 | 16QAM | 36 | 0 | 21.43 | 21.44 | 21.43 | | | |
| 15 | 16QAM | 36 | 20 | 21.18 | 21.22 | 21.23 | 22.5 | 2 | |
| 15 | 16QAM | 36 | 50 | 21.13 | 21.18 | 21.08 | | | |
| 15 | 64QAM | 1 | 0 | 21.35 | 21.46 | 21.37 | 22.5 | 2 | |
| 15 | 64QAM | 1 | 74 | 21.17 | 21.30 | 21.19 | | | |
| 15 | 64QAM | 36 | 0 | 20.20 | 20.36 | 20.17 | 21.5 | 3 | |
| 15 | 64QAM | 36 | 20 | 20.33 | 20.28 | 20.17 | | | |
| 15 | 64QAM | 36 | 36 | 20.22 | 20.25 | 20.19 | | | |
| 15 | 64QAM | 75 | 0 | 20.22 | 20.23 | 20.16 | | | |
| 15 | 256QAM | 1 | 49 | 18.34 | 18.36 | 18.28 | 19.5 | 5 | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.32 | 18.29 | | | |
| 15 | 256QAM | 1 | 74 | 18.29 | 18.36 | 18.22 | | | |
| 15 | 256QAM | 36 | 0 | 18.16 | 18.38 | 18.22 | | | |
| 15 | 256QAM | 36 | 20 | 18.13 | 18.25 | 18.11 | 18.5 | 5 | |
| 15 | 256QAM | 36 | 36 | 18.15 | 18.32 | 18.28 | | | |
| 15 | 256QAM | 75 | 0 | 18.13 | 18.38 | 18.28 | | | |
| Channel | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1898 | 1910 | Turn-up (min) | MPR (dB) | |
| 10 | QPSK | 1 | 0 | 23.27 | 23.38 | 23.27 | 24.5 | 0 | |
| 10 | QPSK | 1 | 25 | 23.17 | 23.24 | 23.20 | | | |
| 10 | QPSK | 1 | 49 | 23.10 | 23.18 | 23.09 | | | |
| 10 | QPSK | 25 | 0 | 22.20 | 22.21 | 22.11 | 23.5 | 1 | |
| 10 | QPSK | 25 | 12 | 22.16 | 22.19 | 22.07 | | | |
| 10 | QPSK | 25 | 25 | 22.04 | 22.11 | 22.01 | | | |
| 10 | 16QAM | 1 | 0 | 22.42 | 22.50 | 22.47 | 23.5 | 1 | |
| 10 | 16QAM | 1 | 25 | 22.34 | 22.50 | 22.42 | | | |
| 10 | 16QAM | 25 | 0 | 21.22 | 21.30 | 21.15 | 22.5 | 2 | |
| 10 | 16QAM | 25 | 12 | 21.14 | 21.17 | 21.08 | | | |
| 10 | 16QAM | 25 | 25 | 21.05 | 21.16 | 21.15 | | | |
| 10 | 64QAM | 1 | 0 | 21.32 | 21.36 | 21.44 | 22.5 | 2 | |
| 10 | 64QAM | 1 | 25 | 21.26 | 21.35 | 21.28 | | | |
| 10 | 64QAM | 1 | 49 | 21.17 | 21.34 | 21.18 | | | |
| 10 | 64QAM | 25 | 0 | 20.24 | 20.30 | 20.29 | 21.5 | 3 | |
| 10 | 64QAM | 25 | 12 | 20.25 | 20.28 | 20.18 | | | |
| 10 | 64QAM | 25 | 25 | 20.23 | 20.33 | 20.20 | | | |
| 10 | 64QAM | 50 | 0 | 20.20 | 20.22 | 20.20 | | | |
| 10 | 256QAM | 1 | 49 | 18.40 | 18.43 | 18.33 | 19.5 | 5 | |
| 10 | 256QAM | 1 | 25 | 18.38 | 18.39 | 18.33 | | | |
| 10 | 256QAM | 1 | 49 | 18.30 | 18.38 | 18.27 | | | |
| 10 | 256QAM | 25 | 0 | 18.18 | 18.30 | 18.22 | | | |
| 10 | 256QAM | 25 | 12 | 18.20 | 18.20 | 18.12 | 19.5 | 5 | |
| 10 | 256QAM | 25 | 25 | 18.11 | 18.25 | 18.20 | | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.20 | 18.24 | | | |
| Channel | | | | | | | | | |
| | Frequency (MHz) | | | 1892.5 | 1898 | 1912.5 | Turn-up (min) | MPR (dB) | |
| 5 | QPSK | 1 | 0 | 23.24 | 23.33 | 23.15 | 24.5 | 0 | |
| 5 | QPSK | 1 | 12 | 23.18 | 23.30 | 23.15 | | | |
| 5 | QPSK | 1 | 24 | 23.02 | 23.15 | 23.14 | | | |
| 5 | QPSK | 12 | 0 | 22.13 | 22.26 | 22.18 | 23.5 | 1 | |
| 5 | QPSK | 12 | 7 | 22.09 | 22.21 | 22.16 | | | |
| 5 | QPSK | 12 | 13 | 22.06 | 22.14 | 22.09 | | | |
| 5 | QPSK | 25 | 0 | 22.09 | 22.21 | 22.18 | | | |
| 5 | 16QAM | 1 | 0 | 22.47 | 22.51 | 22.45 | 23.5 | 1 | |
| 5 | 16QAM | 1 | 12 | 22.43 | 22.44 | 22.43 | | | |
| 5 | 16QAM | 12 | 0 | 21.37 | 21.45 | 21.37 | 22.5 | 2 | |
| 5 | 16QAM | 12 | 7 | 21.27 | 21.33 | 21.24 | | | |
| 5 | 16QAM | 12 | 13 | 21.09 | 21.22 | 21.08 | | | |
| 5 | 64QAM | 1 | 0 | 21.39 | 21.43 | 21.32 | 22.5 | 2 | |
| 5 | 64QAM | 1 | 12 | 21.20 | 21.33 | 21.27 | | | |
| 5 | 64QAM | 1 | 24 | 21.18 | 21.28 | 21.17 | | | |
| 5 | 64QAM | 12 | 0 | 20.17 | 20.31 | 20.20 | 21.5 | 3 | |
| 5 | 64QAM | 12 | 7 | 20.08 | 20.20 | 20.13 | | | |
| 5 | 64QAM | 12 | 13 | 20.20 | 20.30 | 20.20 | | | |
| 5 | 64QAM | 25 | 0 | 20.15 | 20.16 | 20.21 | | | |
| 5 | 256QAM | 1 | 12 | 18.31 | 18.38 | 18.33 | 19.5 | 5 | |
| 5 | 256QAM | 1 | 24 | 18.35 | 18.37 | 18.27 | | | |
| 5 | 256QAM | 1 | 24 | 18.28 | 18.29 | 18.18 | | | |
| 5 | 256QAM | 12 | 0 | 18.18 | 18.30 | 18.25 | | | |
| 5 | 256QAM | 12 | 7 | 18.23 | 18.20 | 18.07 | 19.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 18.12 | 18.32 | 18.21 | | | |
| 5 | 256QAM | 25 | 0 | 18.14 | 18.30 | 18.25 | | | |
| Channel | | | | | | | | | |
| | Frequency (MHz) | | | 1865 | 1868 | 1907.5 | Turn-up (min) | MPR (dB) | |
| 3 | QPSK | 1 | 0 | 23.24 | 23.38 | 23.15 | 24.5 | 0 | |
| 3 | QPSK | 1 | 8 | 23.18 | 23.24 | 23.16 | | | |
| 3 | QPSK | 1 | 14 | 23.03 | 23.22 | 23.08 | | | |
| 3 | QPSK | 8 | 0 | 22.16 | 22.21 | 22.11 | 23.5 | 1 | |
| 3 | QPSK | 8 | 4 | 22.12 | 22.18 | 22.13 | | | |
| 3 | QPSK | 8 | 7 | 22.05 | 22.14 | 22.08 | | | |
| 3 | QPSK | 15 | 0 | 22.02 | 22.14 | 22.14 | | | |
| 3 | 16QAM | 1 | 0 | 22.50 | 22.60 | 22.42 | 23.5 | 1 | |
| 3 | 16QAM | 1 | 8 | 22.38 | 22.45 | 22.38 | | | |
| 3 | 16QAM | 1 | 15 | 22.44 | 22.46 | 22.30 | | | |
| 3 | 16QAM | 8 | 0 | 21.20 | 21.23 | 21.22 | 22.5 | 2 | |
| 3 | 16QAM | 8 | 4 | 21.16 | 21.17 | 21.01 | | | |
| 3 | 16QAM | 8 | 7 | 21.11 | 21.26 | 21.11 | | | |
| 3 | 64QAM | 1 | 0 | 21.06 | 21.20 | 21.09 | 22.5 | 2 | |
| 3 | 64QAM | 1 | 8 | 21.39 | 21.44 | 21.39 | | | |
| 3 | 64QAM | 1 | 15 | 21.27 | 21.30 | 21.30 | | | |
| 3 | 64QAM | 8 | 0 | 21.13 | 21.38 | 21.16 | 21.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 20.29 | 20.39 | 20.19 | | | |
| 3 | 64QAM | 8 | 14 | 20.16 | 20.23 | 20.16 | | | |
| 3 | 256QAM | 1 | 8 | 18.38 | 18.48 | 18.34 | 19.5 | 5 | |
| 3 | 256QAM | 1 | 15 | 18.34 | 18.43 | 18.27 | | | |
| 3 | 256QAM | 8 | 0 | 18.20 | 18.38 | 18.19 | | | |
| 3 | 256QAM | 8 | 7 | 18.20 | 18.33 | 18.18 | 19.5 | 5 | |
| 3 | 256QAM | 8 | 14 | 18.20 | 18.25 | 18.14 | | | |
| 3 | 256QAM | 15 | 0 | 18.15 | 18.27 | 18.26 | | | |
| Channel | | | | | | | | | |
| | Frequency (MHz) | | | 1867 | 1868 | 1907.5 | Turn-up (min) | MPR (dB) | |
| 1.4 | QPSK | 1 | 0 | 23.17 | 23.34 | 2 | | | |



Band 38 Main PA Ant4 DSI1

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|-------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| 38750 38900 39150 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.66 | 23.72 | 23.82 | 24.2 | 0 |
| 20 | QPSK | 1 | 49 | 23.59 | 23.69 | 23.56 | | |
| 20 | QPSK | 50 | 24 | 23.70 | 23.72 | 23.82 | | |
| 20 | QPSK | 50 | 24 | 23.63 | 23.70 | 23.60 | | |
| 20 | QPSK | 100 | 0 | 23.70 | 23.71 | 23.80 | | |
| 20 | 16QAM | 1 | 0 | 23.73 | 23.79 | 23.56 | | |
| 20 | 16QAM | 1 | 49 | 23.61 | 23.76 | 23.60 | | |
| 20 | 16QAM | 1 | 99 | 23.58 | 23.68 | 23.56 | | |
| 20 | 16QAM | 50 | 24 | 23.21 | 23.26 | 23.20 | | |
| 20 | 16QAM | 50 | 24 | 23.27 | 23.30 | 23.24 | | |
| 20 | 16QAM | 100 | 0 | 23.20 | 23.24 | 23.29 | | |
| 20 | 16QAM | 100 | 0 | 23.18 | 23.23 | 23.16 | | |
| 20 | 16QAM | 1 | 49 | 23.88 | 23.19 | 23.13 | | |
| 20 | 16QAM | 1 | 99 | 23.06 | 23.17 | 23.06 | | |
| 20 | 16QAM | 50 | 24 | 22.28 | 22.25 | 22.12 | | |
| 20 | 16QAM | 50 | 24 | 22.21 | 22.22 | 22.19 | | |
| 20 | 16QAM | 100 | 0 | 22.13 | 22.17 | 22.13 | | |
| 20 | 16QAM | 100 | 0 | 22.13 | 22.17 | 22.13 | | |
| 20 | 25QAM | 1 | 0 | 20.23 | 20.28 | 20.19 | | |
| 20 | 25QAM | 1 | 49 | 20.19 | 20.16 | 20.09 | | |
| 20 | 25QAM | 1 | 99 | 20.00 | 20.07 | 19.95 | | |
| 20 | 25QAM | 50 | 24 | 20.09 | 20.12 | 20.06 | | |
| 20 | 25QAM | 50 | 24 | 20.00 | 20.10 | 20.04 | | |
| 20 | 25QAM | 100 | 0 | 20.14 | 20.18 | 20.08 | | |
| 20 | 25QAM | 100 | 0 | 20.05 | 20.17 | 20.08 | | |
| Channel | | | | | | | | |
| 39150 39300 39450 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.72 | 23.79 | 23.72 | 24.2 | 0 |
| 15 | QPSK | 1 | 37 | 23.66 | 23.77 | 23.82 | | |
| 15 | QPSK | 1 | 74 | 23.66 | 23.77 | 23.82 | | |
| 15 | QPSK | 36 | 20 | 23.59 | 23.76 | 23.65 | | |
| 15 | QPSK | 36 | 20 | 23.75 | 23.73 | 23.58 | | |
| 15 | 16QAM | 1 | 0 | 23.73 | 23.73 | 23.56 | | |
| 15 | 16QAM | 1 | 37 | 23.61 | 23.71 | 23.54 | | |
| 15 | 16QAM | 1 | 74 | 23.51 | 23.71 | 23.54 | | |
| 15 | 16QAM | 36 | 0 | 23.07 | 23.22 | 23.06 | | |
| 15 | 16QAM | 36 | 20 | 23.10 | 23.15 | 23.13 | | |
| 15 | 16QAM | 36 | 59 | 23.10 | 23.21 | 23.16 | | |
| 15 | 16QAM | 75 | 0 | 23.07 | 23.15 | 23.11 | | |
| 15 | 16QAM | 75 | 0 | 23.04 | 23.18 | 23.10 | | |
| 15 | 16QAM | 1 | 37 | 23.03 | 23.11 | 23.07 | | |
| 15 | 16QAM | 74 | 22 | 22.92 | 23.04 | 22.93 | | |
| 15 | 16QAM | 36 | 0 | 22.10 | 22.23 | 22.11 | | |
| 15 | 16QAM | 36 | 20 | 22.28 | 22.10 | 22.03 | | |
| 15 | 16QAM | 75 | 0 | 22.15 | 22.14 | 22.14 | | |
| 15 | 16QAM | 75 | 0 | 22.05 | 22.10 | 22.04 | | |
| 15 | 25QAM | 1 | 0 | 20.14 | 20.14 | 20.08 | | |
| 15 | 25QAM | 1 | 37 | 19.98 | 19.93 | 19.96 | | |
| 15 | 25QAM | 1 | 74 | 19.96 | 19.96 | 19.92 | | |
| 15 | 25QAM | 36 | 0 | 19.99 | 20.02 | 19.97 | | |
| 15 | 25QAM | 36 | 20 | 19.99 | 20.02 | 19.97 | | |
| 15 | 25QAM | 36 | 59 | 20.01 | 20.05 | 19.99 | | |
| 15 | 25QAM | 75 | 0 | 19.99 | 20.13 | 19.96 | | |
| Channel | | | | | | | | |
| 39450 39600 39750 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.76 | 23.80 | 23.87 | 24.2 | 0 |
| 10 | QPSK | 1 | 25 | 23.67 | 23.69 | 23.82 | | |
| 10 | QPSK | 1 | 49 | 23.51 | 23.66 | 23.54 | | |
| 10 | QPSK | 25 | 12 | 23.74 | 23.76 | 23.86 | | |
| 10 | QPSK | 25 | 12 | 23.67 | 23.77 | 23.83 | | |
| 10 | 16QAM | 1 | 0 | 23.64 | 23.81 | 23.49 | | |
| 10 | 16QAM | 1 | 0 | 23.66 | 23.80 | 23.87 | | |
| 10 | 16QAM | 1 | 25 | 23.66 | 23.72 | 23.56 | | |
| 10 | 16QAM | 1 | 49 | 23.50 | 23.69 | 23.54 | | |
| 10 | 16QAM | 25 | 0 | 23.18 | 23.23 | 23.10 | | |
| 10 | 16QAM | 25 | 0 | 23.10 | 23.12 | 23.06 | | |
| 10 | 16QAM | 25 | 12 | 23.15 | 23.22 | 23.17 | | |
| 10 | 16QAM | 25 | 12 | 23.01 | 23.12 | 22.99 | | |
| 10 | 16QAM | 1 | 49 | 22.82 | 23.06 | 22.92 | | |
| 10 | 16QAM | 25 | 0 | 22.18 | 22.24 | 22.05 | | |
| 10 | 16QAM | 25 | 12 | 22.06 | 22.15 | 22.04 | | |
| 10 | 16QAM | 25 | 25 | 22.10 | 22.20 | 22.14 | | |
| 10 | 16QAM | 50 | 0 | 22.02 | 22.03 | 22.06 | | |
| 10 | 25QAM | 1 | 0 | 20.11 | 20.11 | 20.06 | | |
| 10 | 25QAM | 1 | 25 | 19.98 | 20.02 | 19.95 | | |
| 10 | 25QAM | 1 | 49 | 19.90 | 19.92 | 19.91 | | |
| 10 | 25QAM | 25 | 0 | 19.95 | 19.99 | 19.98 | | |
| 10 | 25QAM | 25 | 12 | 19.99 | 20.00 | 20.00 | | |
| 10 | 25QAM | 25 | 25 | 20.00 | 20.14 | 20.03 | | |
| 10 | 25QAM | 50 | 0 | 19.93 | 20.13 | 19.97 | | |
| Channel | | | | | | | | |
| 39750 39900 39950 | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.66 | 23.74 | 23.65 | 24.2 | 0 |
| 5 | QPSK | 1 | 19 | 23.62 | 23.69 | 23.57 | | |
| 5 | QPSK | 1 | 24 | 23.53 | 23.68 | 23.50 | | |
| 5 | QPSK | 10 | 0 | 23.74 | 23.74 | 23.80 | | |
| 5 | QPSK | 10 | 7 | 23.68 | 23.70 | 23.80 | | |
| 5 | QPSK | 12 | 18 | 23.51 | 23.64 | 23.59 | | |
| 5 | QPSK | 25 | 0 | 23.70 | 23.76 | 23.59 | | |
| 5 | 16QAM | 1 | 0 | 23.74 | 23.78 | 23.59 | | |
| 5 | 16QAM | 1 | 12 | 23.64 | 23.68 | 23.56 | | |
| 5 | 16QAM | 1 | 24 | 23.61 | 23.65 | 23.47 | | |
| 5 | 16QAM | 12 | 0 | 23.18 | 23.18 | 23.11 | | |
| 5 | 16QAM | 12 | 7 | 23.12 | 23.22 | 23.15 | | |
| 5 | 16QAM | 12 | 13 | 23.09 | 23.28 | 23.09 | | |
| 5 | 16QAM | 25 | 0 | 23.07 | 23.17 | 23.09 | | |
| 5 | 16QAM | 1 | 0 | 23.07 | 23.20 | 23.12 | | |
| 5 | 16QAM | 1 | 12 | 22.96 | 23.13 | 23.03 | | |
| 5 | 16QAM | 1 | 24 | 22.99 | 23.02 | 22.91 | | |
| 5 | 16QAM | 10 | 0 | 22.17 | 22.15 | 22.02 | | |
| 5 | 16QAM | 10 | 7 | 22.06 | 22.13 | 22.02 | | |
| 5 | 16QAM | 12 | 13 | 22.13 | 22.15 | 22.12 | | |
| 5 | 16QAM | 25 | 0 | 22.10 | 22.04 | 22.00 | | |
| 5 | 25QAM | 1 | 0 | 20.09 | 20.23 | 20.11 | | |
| 5 | 25QAM | 1 | 12 | 19.97 | 20.12 | 20.01 | | |
| 5 | 25QAM | 1 | 24 | 19.88 | 19.94 | 19.88 | | |
| 5 | 25QAM | 12 | 0 | 19.98 | 19.99 | 19.96 | | |
| 5 | 25QAM | 12 | 7 | 19.85 | 19.88 | 19.94 | | |
| 5 | 25QAM | 12 | 13 | 20.09 | 20.09 | 19.96 | | |
| 5 | 25QAM | 25 | 0 | 19.92 | 20.06 | 19.91 | | |

Band 41 Main PA Ant4 DSI1

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Low-Mid Ch / Freq | Power High-Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|-------------------------------|------------|---------|-----------|---------------------|-------------------------|--------------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | | |
| 39750 40185 40620 41055 41490 | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.69 | 23.74 | 23.84 | 24.15 | 24.2 | 0 |
| 20 | QPSK | 1 | 49 | 23.63 | 23.60 | 23.71 | 23.65 | | |
| 20 | QPSK | 50 | 24 | 23.63 | 23.65 | 23.76 | 23.62 | | |
| 20 | QPSK | 50 | 24 | 23.60 | 23.74 | 23.85 | 23.72 | | |
| 20 | QPSK | 50 | 24 | 23.60 | 23.66 | 23.69 | 23.66 | | |
| 20 | 16QAM | 1 | 0 | 23.61 | 23.75 | 23.81 | 23.76 | | |
| 20 | 16QAM | 1 | 49 | 23.66 | 23.65 | 23.73 | 23.70 | | |
| 20 | 16QAM | 1 | 99 | 23.60 | 23.60 | 23.67 | 23.58 | | |
| 20 | 16QAM | 50 | 24 | 23.27 | 23.26 | 23.39 | 23.25 | | |
| 20 | 16QAM | 50 | 24 | 23.19 | 23.20 | 23.27 | 23.16 | | |
| 20 | 16QAM | 100 | 0 | 23.22 | 23.26 | 23.31 | 23.25 | | |
| 20 | 16QAM | 100 | 0 | 23.21 | 23.22 | 23.26 | 23.21 | | |
| 20 | 16QAM | 1 | 49 | 22.85 | 22.82 | 22.85 | 22.87 | | |
| 20 | 16QAM | 1 | 99 | 22.83 | 22.84 | 22.81 | 22.78 | | |
| 20 | 16QAM | 50 | 24 | 22.20 | 22.20 | 22.42 | 22.32 | | |
| 20 | 16QAM | 50 | 24 | 22.25 | 22.19 | 22.33 | 22.23 | | |
| 20 | 16QAM | 50 | 24 | 22.07 | 22.21 | 22.38 | 22.32 | | |
| 20 | 16QAM | 100 | 0 | 22.15 | 22.24 | 22.30 | 22.23 | | |
| 20 | 16QAM | 100 | 0 | 22.15 | 22.24 | 22.30 | 22.23 | | |
| 20 | 25QAM | 1 | 0 | 20.27 | 20.20 | 20.32 | 20.29 | | |
| 20 | 25QAM | 1 | 49 | 20.23 | 20.18 | 20.29 | 20.16 | | |
| 20 | 25QAM | 1 | 99 | 20.16 | 20.17 | 20.24 | 20.15 | | |
| 20 | 25QAM | 50 | 24 | 20.19 | 20.20 | 20.27 | 20.17 | | |
| 20 | 25QAM | 50 | 24 | 19.98 | 20.08 | 20.13 | 20.05 | | |
| 20 | 25QAM | 50 | 24 | 20.14 | 20.13 | 20.19 | 20.09 | | |
| 20 | 25QAM | 100 | 0 | 20.12 | 20.17 | 20.16 | 20.15 | | |
| Channel | | | | | | | | | |
| 39750 40173 40620 41055 41490 | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 23.61 | 23.71 | 23.84 | 23.74 | 24 | 0 |
| 16 | QPSK | 1 | 37 | 23.66 | 23.62 | 23.74 | 23.71 | | |
| 16 | QPSK | 1 | 74 | 23.61 | 23.66 | 23.68 | 23.63 | | |
| 16 | QPSK | 36 | 20 | 23.68 | 23.69 | 23.76 | 23.68 | | |
| 16 | QPSK | 36 | 20 | 23.63 | 23.67 | 23.74 | 23.70 | | |
| 16 | QPSK | 36 | 20 | 23.68 | 23.68 | 23.76 | 23.76 | | |
| 16 | QPSK | 75 | 0 | 23.60 | 23.75 | 23.84 | 23.82 | | |
| 16 | 16QAM | 1 | 0 | 23.64 | 23.67 | 23.83 | 23.78 | | |
| 16 | 16QAM | 1 | 37 | 23.68 | 23.78 | 23.78 | 23.81 | | |
| 16 | 16QAM | 1 | 74 | 23.59 | 23.67 | 23.67 | 23.54 | | |
| 16 | 16QAM | 36 | 0 | 23.19 | 23.17 | 23.27 | 23.12 | | |
| 16 | 16QAM | 36 | 20 | 23.14 | 23.15 | 23.12 | 23.12 | | |
| 16 | 16QAM | 36 | 59 | 23.17 | 23.19 | 23.17 | 23.15 | | |
| 16 | 16QAM | 75 | 0 | 23.09 | 22.99 | 23.14 | 23.13 | | |
| 16 | 16QAM | 75 | 0 | 22.78 | 22.81 | 22.87 | 22.89 | | |
| 16 | 16QAM | 1 | 37 | 22.80 | 22.88 | 22.87 | 22.82 | | |
| 16 | 16QAM | 1 | 74 | 22.79 | 22.72 | 22.79 | 22.74 | | |
| 16 | 16QAM | 36 | 0 | 22.25 | 22.25 | 22.28 | 22.24 | | |
| 16 | 16QAM | 36 | 20 | 22.18 | 22.10 | 22.29 | 22.10 | | |
| 16 | | | | | | | | | |



Band 42 FCC Part27Q Main PA Ant5 DSI1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Tune-up Int (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz) and lists various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Band 48 Main PA Ant5 DSI1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Tune-up Int (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz) and lists various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.



Band 42 FCC Part27Q Main PA Ant6 DSI1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Tune-up Int (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz) and lists various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Band 48 Main PA Ant6 DSI1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Power Low Ch / Freq, Tune-up Int (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz) and lists various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.



| Band 42 FCC Part27Q Mian PA Ant7 DSI1 | | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|-------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 42190 | 42590 | 42990 | | | | |
| 20 | QPSK | 1 | 0 | 20.06 | 20.13 | 20.03 | | | | |
| 20 | QPSK | 1 | 43 | 19.82 | 19.84 | 19.84 | 21 | 0 | | |
| 20 | QPSK | 1 | 86 | 19.80 | 19.80 | 19.86 | | | | |
| 20 | QPSK | 50 | 0 | 19.07 | 20.17 | 19.08 | | | | |
| 20 | QPSK | 50 | 24 | 19.86 | 19.83 | 19.88 | 21 | 0 | | |
| 20 | QPSK | 50 | 48 | 19.83 | 19.88 | 19.88 | | | | |
| 20 | QPSK | 100 | 0 | 20.00 | 20.01 | 20.00 | | | | |
| 20 | HQAM | 1 | 0 | 19.77 | 19.81 | 19.85 | | | | |
| 20 | HQAM | 1 | 43 | 19.80 | 19.82 | 19.81 | 21 | 0 | | |
| 20 | HQAM | 1 | 86 | 19.82 | 19.82 | 19.86 | | | | |
| 20 | HQAM | 1 | 129 | 20.04 | 20.05 | 20.01 | | | | |
| 20 | HQAM | 50 | 0 | 19.85 | 19.87 | 19.86 | | | | |
| 20 | HQAM | 50 | 24 | 19.87 | 19.82 | 19.82 | 21 | 0 | | |
| 20 | HQAM | 50 | 48 | 19.85 | 19.82 | 19.84 | | | | |
| 20 | HQAM | 100 | 0 | 19.79 | 19.80 | 19.85 | | | | |
| 20 | HQAM | 100 | 0 | 19.85 | 19.84 | 19.85 | | | | |
| 20 | HQAM | 100 | 43 | 19.88 | 19.86 | 19.88 | 21 | 0 | | |
| 20 | HQAM | 100 | 86 | 19.82 | 19.84 | 19.86 | | | | |
| 20 | HQAM | 50 | 0 | 19.87 | 19.82 | 19.80 | | | | |
| 20 | HQAM | 50 | 24 | 20.08 | 20.09 | 19.96 | 21 | 0 | | |
| 20 | HQAM | 50 | 48 | 19.82 | 19.80 | 19.87 | | | | |
| 20 | HQAM | 100 | 0 | 19.91 | 19.92 | 19.81 | | | | |
| 20 | HQAM | 100 | 0 | 19.91 | 19.92 | 19.81 | | | | |
| 20 | ZSSM | 1 | 0 | 18.24 | 18.24 | 18.28 | | | | |
| 20 | ZSSM | 1 | 43 | 18.27 | 18.30 | 18.27 | 19.5 | 1.5 | | |
| 20 | ZSSM | 1 | 86 | 18.24 | 18.20 | 18.25 | | | | |
| 20 | ZSSM | 50 | 0 | 18.25 | 18.26 | 18.25 | | | | |
| 20 | ZSSM | 50 | 24 | 18.09 | 18.22 | 18.16 | 19.5 | 1.5 | | |
| 20 | ZSSM | 50 | 48 | 18.06 | 18.19 | 18.10 | | | | |
| 20 | ZSSM | 100 | 0 | 18.14 | 18.14 | 18.18 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 42196 | 42596 | 43000 | | | | |
| 15 | QPSK | 1 | 0 | 20.03 | 20.03 | 20.02 | | | | |
| 15 | QPSK | 1 | 37 | 19.79 | 19.80 | 19.87 | 21 | 0 | | |
| 15 | QPSK | 1 | 74 | 19.82 | 19.81 | 19.80 | | | | |
| 15 | QPSK | 36 | 0 | 20.00 | 20.00 | 20.00 | | | | |
| 15 | QPSK | 36 | 20 | 19.78 | 19.80 | 19.84 | 21 | 0 | | |
| 15 | QPSK | 36 | 39 | 19.88 | 19.86 | 19.87 | | | | |
| 15 | QPSK | 75 | 0 | 20.00 | 20.01 | 20.00 | | | | |
| 15 | HQAM | 1 | 0 | 19.78 | 19.83 | 19.88 | | | | |
| 15 | HQAM | 1 | 37 | 19.84 | 19.80 | 19.81 | 21 | 0 | | |
| 15 | HQAM | 1 | 74 | 20.02 | 20.02 | 19.99 | | | | |
| 15 | HQAM | 36 | 0 | 19.81 | 19.80 | 19.89 | | | | |
| 15 | HQAM | 36 | 20 | 19.87 | 19.81 | 19.84 | 21 | 0 | | |
| 15 | HQAM | 36 | 39 | 20.00 | 20.00 | 19.94 | | | | |
| 15 | HQAM | 75 | 0 | 19.84 | 19.86 | 19.85 | | | | |
| 15 | HQAM | 75 | 0 | 19.88 | 19.80 | 19.89 | | | | |
| 15 | HQAM | 1 | 37 | 20.00 | 20.04 | 20.02 | 21 | 0 | | |
| 15 | HQAM | 1 | 74 | 19.88 | 19.86 | 19.87 | | | | |
| 15 | HQAM | 36 | 0 | 19.87 | 19.88 | 19.90 | | | | |
| 15 | HQAM | 36 | 20 | 19.89 | 19.89 | 19.85 | 21 | 0 | | |
| 15 | HQAM | 36 | 39 | 19.88 | 19.86 | 19.85 | | | | |
| 15 | HQAM | 75 | 0 | 19.83 | 19.82 | 19.84 | | | | |
| 15 | ZSSM | 1 | 0 | 18.17 | 18.28 | 18.23 | | | | |
| 15 | ZSSM | 1 | 37 | 18.17 | 18.13 | 18.10 | 19.5 | 1.5 | | |
| 15 | ZSSM | 1 | 74 | 18.13 | 18.18 | 18.17 | | | | |
| 15 | ZSSM | 36 | 0 | 18.20 | 18.27 | 18.18 | | | | |
| 15 | ZSSM | 36 | 20 | 17.85 | 18.00 | 18.16 | 19.5 | 1.5 | | |
| 15 | ZSSM | 36 | 39 | 17.98 | 18.13 | 18.07 | | | | |
| 15 | ZSSM | 75 | 0 | 18.14 | 18.14 | 18.08 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 3432.5 | 3600 | 3545 | | | | |
| 10 | QPSK | 1 | 0 | 19.80 | 19.80 | 19.80 | | | | |
| 10 | QPSK | 1 | 25 | 19.80 | 19.80 | 19.82 | 21 | 0 | | |
| 10 | QPSK | 1 | 49 | 19.84 | 19.88 | 19.87 | | | | |
| 10 | QPSK | 25 | 0 | 20.03 | 19.80 | 19.80 | | | | |
| 10 | QPSK | 25 | 12 | 19.87 | 19.80 | 19.84 | 21 | 0 | | |
| 10 | QPSK | 25 | 25 | 19.82 | 19.84 | 19.87 | | | | |
| 10 | QPSK | 50 | 0 | 20.04 | 20.04 | 20.00 | | | | |
| 10 | HQAM | 1 | 0 | 19.80 | 19.80 | 19.83 | | | | |
| 10 | HQAM | 1 | 25 | 19.81 | 19.86 | 19.84 | 21 | 0 | | |
| 10 | HQAM | 1 | 49 | 19.88 | 19.80 | 19.82 | | | | |
| 10 | HQAM | 25 | 0 | 19.82 | 19.82 | 19.84 | | | | |
| 10 | HQAM | 25 | 12 | 19.87 | 19.80 | 19.81 | 21 | 0 | | |
| 10 | HQAM | 25 | 25 | 19.85 | 19.86 | 19.85 | | | | |
| 10 | HQAM | 50 | 0 | 20.00 | 20.00 | 20.00 | | | | |
| 10 | HQAM | 50 | 0 | 19.79 | 19.87 | 19.81 | | | | |
| 10 | HQAM | 1 | 0 | 19.80 | 19.80 | 19.80 | | | | |
| 10 | HQAM | 1 | 25 | 20.02 | 20.03 | 19.99 | 21 | 0 | | |
| 10 | HQAM | 1 | 49 | 19.87 | 19.89 | 19.93 | | | | |
| 10 | HQAM | 25 | 0 | 19.80 | 19.81 | 19.80 | | | | |
| 10 | HQAM | 25 | 12 | 20.00 | 20.07 | 20.00 | 21 | 0 | | |
| 10 | HQAM | 25 | 25 | 19.86 | 19.80 | 19.80 | | | | |
| 10 | HQAM | 50 | 0 | 19.82 | 19.82 | 19.86 | | | | |
| 10 | ZSSM | 1 | 0 | 18.16 | 18.20 | 18.20 | | | | |
| 10 | ZSSM | 1 | 25 | 18.15 | 18.10 | 18.09 | 19.5 | 1.5 | | |
| 10 | ZSSM | 1 | 49 | 18.10 | 18.19 | 18.13 | | | | |
| 10 | ZSSM | 25 | 0 | 18.16 | 18.19 | 18.18 | | | | |
| 10 | ZSSM | 25 | 12 | 18.04 | 18.15 | 18.07 | 19.5 | 1.5 | | |
| 10 | ZSSM | 25 | 25 | 18.01 | 18.16 | 18.00 | | | | |
| 10 | ZSSM | 50 | 0 | 17.87 | 18.16 | 18.09 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 3432.5 | 3600 | 3545 | | | | |
| 5 | QPSK | 1 | 0 | 20.00 | 20.00 | 19.94 | | | | |
| 5 | QPSK | 1 | 12 | 19.77 | 19.80 | 19.82 | 21 | 0 | | |
| 5 | QPSK | 1 | 24 | 19.89 | 19.80 | 19.85 | | | | |
| 5 | QPSK | 12 | 0 | 19.85 | 19.80 | 19.83 | | | | |
| 5 | QPSK | 12 | 7 | 19.85 | 19.87 | 19.80 | 21 | 0 | | |
| 5 | QPSK | 12 | 13 | 19.84 | 19.80 | 19.86 | | | | |
| 5 | QPSK | 25 | 0 | 20.03 | 20.04 | 19.94 | | | | |
| 5 | HQAM | 1 | 0 | 19.85 | 19.85 | 19.87 | | | | |
| 5 | HQAM | 1 | 12 | 19.88 | 19.85 | 19.82 | 21 | 0 | | |
| 5 | HQAM | 1 | 24 | 19.88 | 19.80 | 19.80 | | | | |
| 5 | HQAM | 12 | 0 | 19.87 | 19.88 | 19.90 | | | | |
| 5 | HQAM | 12 | 7 | 19.81 | 19.87 | 19.87 | 21 | 0 | | |
| 5 | HQAM | 12 | 13 | 20.00 | 20.02 | 20.02 | | | | |
| 5 | HQAM | 25 | 0 | 19.81 | 19.85 | 19.81 | | | | |
| 5 | HQAM | 1 | 0 | 19.80 | 19.86 | 19.81 | | | | |
| 5 | HQAM | 1 | 12 | 20.03 | 20.00 | 19.92 | 21 | 0 | | |
| 5 | HQAM | 1 | 24 | 19.81 | 19.80 | 19.89 | | | | |
| 5 | HQAM | 12 | 0 | 19.87 | 19.80 | 19.84 | | | | |
| 5 | HQAM | 12 | 7 | 19.88 | 20.10 | 19.96 | 21 | 0 | | |
| 5 | HQAM | 12 | 13 | 19.84 | 19.84 | 19.81 | | | | |
| 5 | HQAM | 25 | 0 | 19.88 | 19.83 | 19.81 | | | | |
| 5 | ZSSM | 1 | 0 | 18.10 | 18.32 | 18.23 | | | | |
| 5 | ZSSM | 1 | 12 | 18.16 | 18.18 | 18.09 | 19.5 | 1.5 | | |
| 5 | ZSSM | 1 | 24 | 18.18 | 18.21 | 18.11 | | | | |
| 5 | ZSSM | 12 | 0 | 18.17 | 18.27 | 18.16 | | | | |
| 5 | ZSSM | 12 | 7 | 17.89 | 18.11 | 17.99 | 19.5 | 1.5 | | |
| 5 | ZSSM | 12 | 13 | 17.84 | 18.14 | 18.06 | | | | |

| Band 48 Main PA Ant7 DSI1 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|-------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56840 | 56950 | 56660 | | | |
| 20 | QPSK | 1 | 0 | 18.55 | 18.56 | 18.51 | 18.56 | | | |
| 20 | QPSK | 1 | 43 | 18.39 | 18.57 | 18.38 | 18.51 | 19.5 | 0 | |
| 20 | QPSK | 1 | 86 | 18.38 | 18.56 | 18.40 | 18.43 | | | |
| 20 | QPSK | 50 | 0 | 18.52 | 18.52 | 18.55 | 18.55 | | | |
| 20 | QPSK | 50 | 24 | 18.44 | 18.53 | 18.43 | 18.46 | 19.5 | 0 | |
| 20 | QPSK | 50 | 48 | 18.47 | 18.53 | 18.46 | | | | |
| 20 | QPSK | 100 | 0 | 18.52 | 18.50 | 18.52 | 18.52 | | | |
| 20 | HQAM | 1 | 0 | 18.50 | 18.55 | 18.45 | 18.48 | | | |
| 20 | HQAM | 1 | 43 | 18.41 | 18.49 | 18.38 | 18.47 | 19.5 | 0 | |
| 20 | HQAM | 1 | 86 | | | | | | | |



DSI 3 Power for WWAN Main PA

| GSM850 | GSM850 Ant0 Default | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| | Burst Average Power (dBm) | | | | 128 | 159 | 251 | |
| TX Channel | 128 | 180 | 251 | | 128 | 159 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 34.00 | 824.2 | 836.4 | 848.8 | 34.00 |
| GSM 1 Tx slot | 32.93 | 33.09 | 33.05 | 34.00 | 23.93 | 24.09 | 24.05 | 25.00 |
| GPRS 1 Tx slot | 32.97 | 33.13 | 33.07 | 34.00 | 23.97 | 24.13 | 24.07 | 25.00 |
| GPRS 2 Tx slots | 30.09 | 30.12 | 30.04 | 31.00 | 24.09 | 24.12 | 24.04 | 25.00 |
| GPRS 3 Tx slots | 28.23 | 28.34 | 28.19 | 29.20 | 23.97 | 24.08 | 23.93 | 24.94 |
| GPRS 4 Tx slots | 26.91 | 26.95 | 26.88 | 28.00 | 23.91 | 23.95 | 23.88 | 25.00 |
| EDGE 1 Tx slot | 27.01 | 27.13 | 27.08 | 28.00 | 18.01 | 18.13 | 18.08 | 19.00 |
| EDGE 2 Tx slots | 24.17 | 24.25 | 24.10 | 25.00 | 18.17 | 18.25 | 18.10 | 19.00 |
| EDGE 3 Tx slots | 22.31 | 22.41 | 22.28 | 23.20 | 18.05 | 18.15 | 18.02 | 18.94 |
| EDGE 4 Tx slots | 21.12 | 21.17 | 21.04 | 22.00 | 18.12 | 18.17 | 18.04 | 19.00 |

| Band | TX Channel | WCDMA V Ant0 Default | | | Tune-up Limit (dBm) |
|-----------------|-------------------------|----------------------|-------|-------|---------------------|
| | | 4132 | 4182 | 4233 | |
| Rx Channel | | 4357 | 4407 | 4458 | |
| Frequency (MHz) | | 826.4 | 836.4 | 845.6 | |
| 3GPP Rel 99 | AMR 12.2Kbps | 23.98 | 24.11 | 24.08 | 25.00 |
| 3GPP Rel 99 | RM-C 12.2Kbps | 24.04 | 24.16 | 24.13 | 25.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 23.15 | 23.15 | 23.11 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 23.09 | 23.15 | 23.07 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 22.54 | 22.60 | 22.61 | 23.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 22.56 | 22.63 | 22.57 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 23.03 | 23.14 | 23.10 | 24.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 23.04 | 23.14 | 23.06 | 24.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 22.45 | 22.60 | 22.53 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 22.43 | 22.56 | 22.50 | 23.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 22.98 | 23.03 | 23.05 | 24.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 21.08 | 21.21 | 21.06 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 22.09 | 22.28 | 22.21 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 21.06 | 21.11 | 21.03 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 23.02 | 23.11 | 23.05 | 24.00 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 20.57 | 20.76 | 20.64 | 21.50 |



| Band 5 Main PA Ant0 | | | | | | | | | | |
|---------------------|------------|---------|-----------|----------------------|-----------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power Mid Ch / Freq. | Turn-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.45 | 24.56 | 24.50 | | | | |
| 10 | QPSK | 1 | 25 | 24.50 | 24.48 | 24.43 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.35 | 24.52 | 24.34 | | | | |
| 10 | QPSK | 25 | 0 | 23.48 | 23.59 | 23.54 | | | | |
| 10 | QPSK | 25 | 12 | 23.53 | 23.47 | 23.50 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.50 | 23.40 | | | | |
| 10 | QPSK | 50 | 0 | 23.43 | 23.54 | 23.47 | | | | |
| 10 | 16QAM | 1 | 0 | 23.79 | 23.84 | 23.79 | | | | |
| 10 | 16QAM | 1 | 25 | 23.72 | 23.71 | 23.68 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 23.68 | 23.73 | 23.69 | | | | |
| 10 | 16QAM | 25 | 0 | 22.39 | 22.52 | 22.41 | | | | |
| 10 | 16QAM | 25 | 12 | 22.37 | 22.48 | 22.33 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 22.36 | 22.44 | 22.34 | | | | |
| 10 | 16QAM | 50 | 0 | 22.30 | 22.46 | 22.31 | | | | |
| 10 | 64QAM | 1 | 0 | 22.69 | 22.68 | 22.58 | | | | |
| 10 | 64QAM | 1 | 25 | 22.49 | 22.69 | 22.61 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 22.51 | 22.67 | 22.44 | | | | |
| 10 | 64QAM | 25 | 0 | 21.38 | 21.46 | 21.39 | | | | |
| 10 | 64QAM | 25 | 12 | 21.52 | 21.48 | 21.38 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 21.28 | 21.37 | 21.36 | | | | |
| 10 | 64QAM | 50 | 0 | 21.23 | 21.51 | 21.28 | | | | |
| 10 | 256QAM | 1 | 0 | 19.44 | 19.56 | 19.41 | | | | |
| 10 | 256QAM | 1 | 25 | 19.38 | 19.56 | 19.43 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 19.38 | 19.56 | 19.44 | | | | |
| 10 | 256QAM | 25 | 0 | 19.28 | 19.36 | 19.27 | | | | |
| 10 | 256QAM | 25 | 12 | 19.24 | 19.49 | 19.24 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 19.34 | 19.40 | 19.34 | | | | |
| 10 | 256QAM | 50 | 0 | 19.43 | 19.49 | 19.43 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.32 | 24.52 | 24.41 | | | | |
| 5 | QPSK | 1 | 12 | 24.31 | 24.43 | 24.40 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 24.29 | 24.40 | 24.22 | | | | |
| 5 | QPSK | 12 | 0 | 23.30 | 23.53 | 23.45 | | | | |
| 5 | QPSK | 12 | 7 | 23.39 | 23.36 | 23.38 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 23.20 | 23.37 | 23.26 | | | | |
| 5 | QPSK | 25 | 0 | 23.36 | 23.48 | 23.38 | | | | |
| 5 | 16QAM | 1 | 0 | 23.76 | 23.79 | 23.72 | | | | |
| 5 | 16QAM | 1 | 12 | 23.69 | 23.80 | 23.54 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 23.58 | 23.81 | 23.61 | | | | |
| 5 | 16QAM | 12 | 0 | 22.29 | 22.44 | 22.52 | | | | |
| 5 | 16QAM | 12 | 7 | 22.27 | 22.39 | 22.27 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 22.30 | 22.37 | 22.27 | | | | |
| 5 | 16QAM | 25 | 0 | 22.27 | 22.38 | 22.20 | | | | |
| 5 | 64QAM | 1 | 0 | 22.48 | 22.81 | 22.53 | | | | |
| 5 | 64QAM | 1 | 12 | 22.46 | 22.81 | 22.48 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 22.44 | 22.82 | 22.35 | | | | |
| 5 | 64QAM | 12 | 0 | 21.33 | 21.34 | 21.53 | | | | |
| 5 | 64QAM | 12 | 7 | 21.38 | 21.41 | 21.28 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 21.19 | 21.25 | 21.25 | | | | |
| 5 | 64QAM | 25 | 0 | 21.14 | 21.48 | 21.14 | | | | |
| 5 | 256QAM | 1 | 0 | 19.38 | 19.51 | 19.28 | | | | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.57 | 19.31 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.51 | 19.36 | | | | |
| 5 | 256QAM | 12 | 0 | 19.28 | 19.36 | 19.27 | | | | |
| 5 | 256QAM | 12 | 7 | 19.20 | 19.34 | 19.19 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 19.31 | 19.29 | 19.27 | | | | |
| 5 | 256QAM | 25 | 0 | 19.33 | 19.43 | 19.29 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.17 | 24.59 | 24.47 | | | | |
| 3 | QPSK | 1 | 8 | 24.35 | 24.43 | 24.29 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 24.22 | 24.45 | 24.29 | | | | |
| 3 | QPSK | 8 | 0 | 23.37 | 23.51 | 23.41 | | | | |
| 3 | QPSK | 8 | 4 | 23.35 | 23.38 | 23.41 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 23.26 | 23.47 | 23.26 | | | | |
| 3 | QPSK | 16 | 0 | 23.38 | 23.44 | 23.38 | | | | |
| 3 | 16QAM | 1 | 0 | 23.70 | 23.71 | 23.68 | | | | |
| 3 | 16QAM | 1 | 8 | 23.68 | 23.68 | 23.64 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 14 | 23.60 | 23.69 | 23.62 | | | | |
| 3 | 16QAM | 8 | 0 | 22.28 | 22.42 | 22.37 | | | | |
| 3 | 16QAM | 8 | 4 | 22.32 | 22.42 | 22.20 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 7 | 22.30 | 22.38 | 22.24 | | | | |
| 3 | 16QAM | 15 | 0 | 22.17 | 22.34 | 22.17 | | | | |
| 3 | 64QAM | 1 | 0 | 22.66 | 22.83 | 22.63 | | | | |
| 3 | 64QAM | 1 | 8 | 22.44 | 22.84 | 22.40 | 23.5 | 2 | | |
| 3 | 64QAM | 1 | 14 | 22.44 | 22.95 | 22.40 | | | | |
| 3 | 64QAM | 8 | 0 | 21.25 | 21.41 | 21.36 | | | | |
| 3 | 64QAM | 8 | 4 | 21.24 | 21.36 | 21.15 | 22.5 | 3 | | |
| 3 | 64QAM | 8 | 7 | 21.17 | 21.27 | 21.27 | | | | |
| 3 | 256QAM | 1 | 0 | 19.35 | 19.47 | 19.28 | | | | |
| 3 | 256QAM | 1 | 8 | 19.27 | 19.54 | 19.33 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 14 | 19.34 | 19.43 | 19.33 | | | | |
| 3 | 256QAM | 8 | 0 | 19.27 | 19.32 | 19.22 | | | | |
| 3 | 256QAM | 8 | 4 | 19.12 | 19.39 | 19.18 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 7 | 19.30 | 19.36 | 19.30 | | | | |
| 3 | 256QAM | 15 | 0 | 19.35 | 19.46 | 19.35 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.34 | 24.42 | 24.43 | | | | |
| 1.4 | QPSK | 1 | 3 | 24.30 | 24.41 | 24.37 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 5 | 24.31 | 24.48 | 24.26 | | | | |
| 1.4 | QPSK | 3 | 0 | 24.38 | 24.42 | 24.27 | | | | |
| 1.4 | QPSK | 3 | 1 | 24.36 | 24.41 | 24.36 | | | | |
| 1.4 | QPSK | 3 | 3 | 24.20 | 24.45 | 24.23 | 24.5 | 1 | | |
| 1.4 | QPSK | 6 | 0 | 23.42 | 23.50 | 23.41 | | | | |
| 1.4 | 16QAM | 1 | 0 | 23.39 | 23.39 | 23.35 | | | | |
| 1.4 | 16QAM | 1 | 3 | 23.21 | 23.40 | 23.35 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 5 | 23.38 | 23.39 | 23.32 | | | | |
| 1.4 | 16QAM | 3 | 0 | 23.72 | 23.76 | 23.70 | | | | |
| 1.4 | 16QAM | 3 | 1 | 23.66 | 23.67 | 23.64 | | | | |
| 1.4 | 16QAM | 3 | 3 | 23.62 | 23.67 | 23.63 | | | | |
| 1.4 | 16QAM | 6 | 0 | 22.24 | 22.46 | 22.38 | 23.5 | 2 | | |
| 1.4 | 16QAM | 1 | 0 | 22.28 | 22.36 | 22.26 | | | | |
| 1.4 | 16QAM | 1 | 3 | 22.29 | 22.36 | 22.28 | | | | |
| 1.4 | 64QAM | 1 | 5 | 22.26 | 22.38 | 22.23 | 23.5 | 2 | | |
| 1.4 | 64QAM | 3 | 0 | 22.46 | 22.60 | 22.44 | | | | |
| 1.4 | 64QAM | 3 | 1 | 22.41 | 22.61 | 22.45 | | | | |
| 1.4 | 64QAM | 3 | 3 | 22.39 | 22.60 | 22.34 | | | | |
| 1.4 | 256QAM | 1 | 0 | 21.26 | 21.34 | 21.29 | 22.5 | 3 | | |
| 1.4 | 256QAM | 1 | 0 | 19.32 | 19.49 | 19.27 | | | | |
| 1.4 | 256QAM | 1 | 3 | 19.28 | 19.40 | 19.37 | | | | |
| 1.4 | 256QAM | 1 | 5 | 19.34 | 19.46 | 19.29 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 0 | 19.23 | 19.34 | 19.27 | | | | |
| 1.4 | 256QAM | 3 | 1 | 19.17 | 19.35 | 19.11 | | | | |
| 1.4 | 256QAM | 3 | 3 | 19.29 | 19.39 | 19.21 | 20.5 | 5 | | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.30 | | | | |

| Band 13 Main PA Ant0 | | | | | | | | | | |
|----------------------|------------|---------|-----------|----------------------|-----------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power Mid Ch / Freq. | Turn-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.64 | | | | | | |
| 10 | QPSK | 1 | 25 | 24.59 | | | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.52 | | | | | | |
| 10 | QPSK | 25 | 0 | 23.96 | | | | | | |
| 10 | QPSK | 25 | 12 | 23.97 | | | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.77 | | | | | | |
| 10 | QPSK | 50 | 0 | 23.90 | | | | | | |
| 10 | 16QAM | 1 | 0 | 23.86 | | | | | | |
| 10 | 16QAM | 1 | 25 | 23.81 | | | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 23.78 | | | | | | |
| 10 | 16QAM | 25 | 0 | 22.77 | | | | | | |
| 10 | 16QAM | 25 | 12 | 22.92 | | | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 22.71 | | | | | | |
| 10 | 16QAM | 50 | 0 | 22.88 | | | | | | |
| 10 | 64QAM | 1 | 0 | 22.58 | | | | | | |
| 10 | 64QAM | 1 | 25 | 22.59 | | | 23.5 | 2 | | |



| Band 26 Main PA Ant0 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|--------------------|----------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Turn-up limit (dB) | APR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 821.5 | 831.8 | 841.5 | | | |
| 15 | QPSK | 1 | 0 | 24.52 | 24.58 | 24.49 | | | |
| 15 | QPSK | 1 | 31 | 24.42 | 24.48 | 24.43 | 25.5 | 0 | |
| 15 | QPSK | 1 | 74 | 24.41 | 24.53 | 24.47 | | | |
| 15 | QPSK | 36 | 0 | 23.48 | 23.63 | 23.52 | | | |
| 15 | QPSK | 36 | 26 | 23.43 | 23.55 | 23.51 | 24.5 | 1 | |
| 15 | QPSK | 36 | 39 | 23.52 | 23.66 | 23.51 | | | |
| 15 | QPSK | 75 | 0 | 23.54 | 23.57 | 23.47 | | | |
| 15 | 16QAM | 1 | 0 | 23.48 | 23.56 | 23.45 | | | |
| 15 | 16QAM | 1 | 37 | 23.35 | 23.51 | 23.37 | 24.5 | 1 | |
| 15 | 16QAM | 1 | 74 | 23.42 | 23.54 | 23.47 | | | |
| 15 | 16QAM | 36 | 0 | 22.42 | 22.47 | 22.42 | | | |
| 15 | 16QAM | 36 | 26 | 22.45 | 22.59 | 22.52 | 23.5 | 2 | |
| 15 | 16QAM | 36 | 39 | 22.53 | 22.57 | 22.43 | | | |
| 15 | 16QAM | 75 | 0 | 22.59 | 22.54 | 22.49 | | | |
| 15 | 64QAM | 1 | 0 | 22.59 | 22.70 | 22.58 | | | |
| 15 | 64QAM | 1 | 37 | 22.63 | 22.68 | 22.54 | 23.5 | 2 | |
| 15 | 64QAM | 1 | 74 | 22.63 | 22.66 | 22.50 | | | |
| 15 | 64QAM | 36 | 0 | 21.25 | 21.37 | 21.34 | | | |
| 15 | 64QAM | 36 | 26 | 21.41 | 21.55 | 21.43 | 22.5 | 3 | |
| 15 | 64QAM | 36 | 39 | 21.45 | 21.52 | 21.44 | | | |
| 15 | 64QAM | 75 | 0 | 21.41 | 21.54 | 21.43 | | | |
| 15 | 256QAM | 1 | 0 | 19.58 | 19.69 | 19.61 | | | |
| 15 | 256QAM | 1 | 37 | 19.42 | 19.57 | 19.49 | 20.5 | 5 | |
| 15 | 256QAM | 1 | 74 | 19.60 | 19.74 | 19.69 | | | |
| 15 | 256QAM | 36 | 0 | 19.35 | 19.42 | 19.38 | | | |
| 15 | 256QAM | 36 | 26 | 19.48 | 19.52 | 19.43 | 20.5 | 5 | |
| 15 | 256QAM | 36 | 39 | 19.46 | 19.55 | 19.50 | | | |
| 15 | 256QAM | 75 | 0 | 19.38 | 19.51 | 19.47 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 819 | 831.8 | 844 | | | APR (dB) |
| 10 | QPSK | 1 | 0 | 24.42 | 24.44 | 24.36 | | | |
| 10 | QPSK | 1 | 26 | 24.39 | 24.46 | 24.31 | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.28 | 24.42 | 24.42 | | | |
| 10 | QPSK | 26 | 0 | 23.43 | 23.52 | 23.46 | | | |
| 10 | QPSK | 26 | 12 | 23.29 | 23.45 | 23.40 | 24.5 | 1 | |
| 10 | QPSK | 26 | 26 | 23.48 | 23.48 | 23.47 | | | |
| 10 | QPSK | 50 | 0 | 23.42 | 23.49 | 23.43 | | | |
| 10 | 16QAM | 1 | 0 | 23.41 | 23.49 | 23.39 | | | |
| 10 | 16QAM | 1 | 26 | 23.33 | 23.47 | 23.31 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 23.35 | 23.51 | 23.44 | | | |
| 10 | 16QAM | 26 | 0 | 22.36 | 22.51 | 22.38 | | | |
| 10 | 16QAM | 26 | 12 | 22.35 | 22.56 | 22.42 | 23.5 | 2 | |
| 10 | 16QAM | 26 | 26 | 22.48 | 22.44 | 22.38 | | | |
| 10 | 16QAM | 50 | 0 | 22.36 | 22.45 | 22.35 | | | |
| 10 | 64QAM | 1 | 0 | 22.51 | 22.58 | 22.52 | | | |
| 10 | 64QAM | 1 | 26 | 22.50 | 22.56 | 22.45 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.63 | 22.61 | 22.51 | | | |
| 10 | 64QAM | 26 | 0 | 21.18 | 21.31 | 21.25 | | | |
| 10 | 64QAM | 26 | 12 | 21.33 | 21.53 | 21.37 | 22.5 | 3 | |
| 10 | 64QAM | 26 | 26 | 21.32 | 21.33 | 21.34 | | | |
| 10 | 64QAM | 50 | 0 | 21.34 | 21.50 | 21.33 | | | |
| 10 | 256QAM | 1 | 0 | 19.45 | 19.53 | 19.20 | | | |
| 10 | 256QAM | 1 | 26 | 19.32 | 19.42 | 19.42 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 49 | 19.54 | 19.65 | 19.56 | | | |
| 10 | 256QAM | 26 | 0 | 19.36 | 19.26 | 19.33 | | | |
| 10 | 256QAM | 26 | 12 | 19.43 | 19.41 | 19.29 | 20.5 | 5 | |
| 10 | 256QAM | 26 | 26 | 19.39 | 19.48 | 19.36 | | | |
| 10 | 256QAM | 50 | 0 | 19.35 | 19.40 | 19.39 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 816.5 | 831.8 | 846.5 | | | APR (dB) |
| 5 | QPSK | 1 | 0 | 24.44 | 24.46 | 24.38 | | | |
| 5 | QPSK | 1 | 12 | 24.32 | 24.38 | 24.25 | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.34 | 24.45 | 24.39 | | | |
| 5 | QPSK | 12 | 0 | 23.46 | 23.57 | 23.48 | | | |
| 5 | QPSK | 12 | 7 | 23.28 | 23.45 | 23.45 | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.48 | 23.53 | 23.38 | | | |
| 5 | QPSK | 26 | 0 | 23.42 | 23.47 | 23.38 | | | |
| 5 | 16QAM | 1 | 0 | 23.41 | 23.44 | 23.33 | | | |
| 5 | 16QAM | 1 | 12 | 23.21 | 23.44 | 23.22 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 24 | 23.37 | 23.46 | 23.34 | | | |
| 5 | 16QAM | 12 | 0 | 22.34 | 22.44 | 22.34 | | | |
| 5 | 16QAM | 12 | 7 | 22.35 | 22.55 | 22.42 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 22.47 | 22.46 | 22.38 | | | |
| 5 | 16QAM | 26 | 0 | 22.38 | 22.39 | 22.45 | | | |
| 5 | 64QAM | 1 | 0 | 22.54 | 22.59 | 22.53 | | | |
| 5 | 64QAM | 1 | 12 | 22.56 | 22.54 | 22.46 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 22.62 | 22.69 | 22.76 | | | |
| 5 | 64QAM | 12 | 0 | 21.20 | 21.30 | 21.21 | | | |
| 5 | 64QAM | 12 | 7 | 21.31 | 21.43 | 21.37 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.38 | 21.42 | 21.37 | | | |
| 5 | 64QAM | 26 | 0 | 21.27 | 21.49 | 21.39 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.51 | 19.45 | | | |
| 5 | 256QAM | 1 | 12 | 19.29 | 19.53 | 19.36 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 24 | 19.54 | 19.66 | 19.55 | | | |
| 5 | 256QAM | 12 | 0 | 19.24 | 19.31 | 19.20 | | | |
| 5 | 256QAM | 12 | 7 | 19.36 | 19.41 | 19.37 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 19.35 | 19.42 | 19.43 | | | |
| 5 | 256QAM | 26 | 0 | 19.32 | 19.35 | 19.28 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 817.5 | 831.8 | 847.5 | | | APR (dB) |
| 3 | QPSK | 1 | 0 | 24.42 | 24.42 | 24.37 | | | |
| 3 | QPSK | 1 | 8 | 24.37 | 24.42 | 24.32 | 25.5 | 0 | |
| 3 | QPSK | 1 | 14 | 24.34 | 24.45 | 24.43 | | | |
| 3 | QPSK | 8 | 0 | 23.34 | 23.51 | 23.43 | | | |
| 3 | QPSK | 8 | 4 | 23.29 | 23.45 | 23.36 | 24.5 | 1 | |
| 3 | QPSK | 8 | 7 | 23.37 | 23.46 | 23.43 | | | |
| 3 | QPSK | 15 | 0 | 23.46 | 23.52 | 23.42 | | | |
| 3 | 16QAM | 1 | 0 | 23.44 | 23.52 | 23.37 | | | |
| 3 | 16QAM | 1 | 8 | 23.27 | 23.45 | 23.31 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 14 | 23.30 | 23.45 | 23.36 | | | |
| 3 | 16QAM | 8 | 0 | 22.34 | 22.42 | 22.32 | | | |
| 3 | 16QAM | 8 | 4 | 22.42 | 22.64 | 22.42 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 7 | 22.43 | 22.53 | 22.38 | | | |
| 3 | 16QAM | 15 | 0 | 22.37 | 22.47 | 22.46 | | | |
| 3 | 64QAM | 1 | 0 | 22.46 | 22.57 | 22.44 | | | |
| 3 | 64QAM | 1 | 8 | 22.48 | 22.61 | 22.50 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 22.79 | 22.86 | 22.76 | | | |
| 3 | 64QAM | 8 | 0 | 21.13 | 21.28 | 21.21 | | | |
| 3 | 64QAM | 8 | 4 | 21.37 | 21.45 | 21.38 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.36 | 21.38 | 21.34 | | | |
| 3 | 64QAM | 15 | 0 | 21.26 | 21.45 | 21.36 | | | |
| 3 | 256QAM | 1 | 0 | 19.43 | 19.56 | 19.55 | | | |
| 3 | 256QAM | 1 | 8 | 19.30 | 19.45 | 19.39 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 14 | 19.46 | 19.71 | 19.61 | | | |
| 3 | 256QAM | 8 | 0 | 19.26 | 19.36 | 19.25 | | | |
| 3 | 256QAM | 8 | 4 | 19.38 | 19.39 | 19.29 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 7 | 19.34 | 19.32 | 19.40 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.45 | 19.43 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 816.7 | 831.8 | 847.3 | | | APR (dB) |
| 1.4 | QPSK | 1 | 0 | 24.44 | 24.54 | 24.43 | | | |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.26 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.50 | 24.41 | | | |
| 1.4 | QPSK | 3 | 0 | 24.41 | 24.45 | 24.44 | | | |
| 1.4 | QPSK | 3 | 1 | 24.37 | 24.45 | 24.48 | | | |
| 1.4 | QPSK | 3 | 3 | 24.34 | 24.39 | 24.34 | 24.5 | 1 | |
| 1.4 | QPSK | 6 | 0 | 23.34 | 23.59 | 23.48 | | | |
| 1.4 | 16QAM | 1 | 0 | 23.33 | 23.43 | 23.35 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.42 | 23.45 | 23.36 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 5 | 23.47 | 23.54 | 23.34 | | | |
| 1.4 | 16QAM | 3 | 0 | 23.38 | 23.42 | 23.40 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.24 | 23.43 | 23.32 | | | |
| 1.4 | 16QAM | 3 | 3 | 23.30 | 23.48 | 23.40 | | | |
| 1.4 | 64QAM | 1 | 0 | 22.38 | 22.40 | 22.32 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 3 | 22.35 | 22.49 | 22.41 | | | |
| 1.4 | 64QAM | 1 | 5 | 22.43 | 22.47 | 22.30 | | | |
| 1.4 | 64QAM | 3 | 0 | 22.43 | 22.48 | 22.38 | 23.5 | 2 | |
| 1.4 | 64QAM | 3 | 1 | 22.50 | 22.59 | 22.49 | | | |
| 1.4 | 64QAM | 3 | 3 | 22.50 | 22.56 | 22.47 | | | |
| 1.4 | 64QAM | 3 | | | | | | | |



| GSM850 Ant1 Default | | | | | | | | |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 33.50 | 23.02 | 23.11 | 23.02 | 24.50 |
| GSM 1 Tx slot | 32.02 | 32.11 | 32.02 | 33.50 | 23.02 | 23.11 | 23.02 | 24.50 |
| GPRS 1 Tx slot | 32.05 | 32.16 | 32.08 | 33.50 | 23.05 | 23.16 | 23.08 | 24.50 |
| GPRS 2 Tx slots | 29.21 | 29.24 | 29.17 | 30.50 | 23.21 | 23.24 | 23.17 | 24.50 |
| GPRS 3 Tx slots | 27.40 | 27.44 | 27.34 | 28.50 | 23.14 | 23.18 | 23.08 | 24.24 |
| GPRS 4 Tx slots | 25.97 | 26.07 | 26.00 | 27.50 | 22.97 | 23.07 | 23.00 | 24.50 |
| EDGE 1 Tx slot | 26.21 | 26.25 | 26.11 | 27.50 | 17.21 | 17.25 | 17.11 | 18.50 |
| EDGE 2 Tx slots | 23.24 | 23.29 | 23.16 | 24.50 | 17.24 | 17.29 | 17.16 | 18.50 |
| EDGE 3 Tx slots | 21.40 | 21.53 | 21.48 | 22.70 | 17.14 | 17.27 | 17.22 | 18.44 |
| EDGE 4 Tx slots | 20.15 | 20.28 | 20.24 | 21.50 | 17.15 | 17.28 | 17.24 | 18.50 |

| GSM1900 Ant1 Default | | | | | | | | |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 30.00 | 1850.2 | 1880 | 1909.8 | 21.00 |
| GSM 1 Tx slot | 28.13 | 28.19 | 28.15 | 30.00 | 19.13 | 19.19 | 19.15 | 21.00 |
| GPRS 1 Tx slot | 28.16 | 28.24 | 28.22 | 30.00 | 19.16 | 19.24 | 19.22 | 21.00 |
| GPRS 2 Tx slots | 26.27 | 26.31 | 26.25 | 27.00 | 19.27 | 19.31 | 19.25 | 21.00 |
| GPRS 3 Tx slots | 23.88 | 23.96 | 23.87 | 25.20 | 19.62 | 19.70 | 19.61 | 20.94 |
| GPRS 4 Tx slots | 22.35 | 22.47 | 22.37 | 24.00 | 19.35 | 19.47 | 19.37 | 21.00 |
| EDGE 1 Tx slot | 24.79 | 24.88 | 24.82 | 26.00 | 15.79 | 15.88 | 15.82 | 17.00 |
| EDGE 2 Tx slots | 21.97 | 22.07 | 21.93 | 23.00 | 15.97 | 16.07 | 15.93 | 17.00 |
| EDGE 3 Tx slots | 19.90 | 20.03 | 19.89 | 21.20 | 15.64 | 15.77 | 15.63 | 16.94 |
| EDGE 4 Tx slots | 19.20 | 19.26 | 19.21 | 20.00 | 16.20 | 16.26 | 16.21 | 17.00 |

| Band | WCDMA II Ant1 Default | | | Tune-up Limit (dBm) | WCDMA IV Ant1 Default | | | WCDMA V Ant1 Default | | | Tune-up Limit (dBm) |
|---------------------------------------|-----------------------|-------|--------|---------------------------|-----------------------|--------|--------|----------------------|-------|-------|---------------------------|
| | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | 4132 | 4182 | 4233 | |
| TX Channel | 9262 | 9400 | 9538 | 24.00 | 1637 | 1638 | 1738 | 4357 | 4407 | 4458 | 25.00 |
| Rx Channel | 9662 | 9800 | 9938 | 24.00 | 1637 | 1638 | 1738 | 4357 | 4407 | 4458 | 25.00 |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | 23.00 | 1712.4 | 1732.6 | 1752.6 | 826.4 | 836.4 | 846.6 | 24.00 |
| 3GPP Rel 99 AMR 12.2kbps | 22.02 | 22.09 | 22.01 | 24.00 | 22.02 | 22.12 | 22.07 | 23.22 | 23.32 | 23.29 | 25.00 |
| 3GPP Rel 99 RMC 12.2kbps | 22.05 | 22.12 | 22.03 | 24.00 | 22.10 | 22.19 | 22.13 | 23.27 | 23.36 | 23.35 | 25.00 |
| 3GPP Rel 6 HSDPA Subtest-1 | 21.06 | 21.14 | 21.06 | 23.00 | 21.15 | 21.23 | 21.20 | 22.36 | 22.34 | 22.35 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-2 | 21.01 | 21.11 | 21.03 | 23.00 | 21.06 | 21.09 | 21.06 | 22.23 | 22.35 | 22.31 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-3 | 20.56 | 20.60 | 20.60 | 22.50 | 20.60 | 20.69 | 20.65 | 22.50 | 21.76 | 21.88 | 23.50 |
| 3GPP Rel 6 HSDPA Subtest-4 | 20.53 | 20.59 | 20.57 | 22.50 | 20.50 | 20.61 | 20.55 | 22.50 | 21.72 | 21.85 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 21.03 | 21.05 | 21.03 | 23.00 | 21.04 | 21.16 | 21.09 | 23.00 | 22.28 | 22.31 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 21.03 | 21.02 | 21.03 | 23.00 | 21.16 | 21.13 | 21.02 | 23.00 | 22.17 | 22.29 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 20.52 | 20.55 | 20.58 | 22.50 | 20.56 | 20.59 | 20.52 | 22.50 | 21.73 | 21.81 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 20.56 | 20.69 | 20.59 | 22.50 | 20.56 | 20.60 | 20.54 | 22.50 | 21.65 | 21.82 | 23.50 |
| 3GPP Rel 6 HSUPA Subtest-1 | 21.12 | 21.03 | 21.01 | 23.00 | 21.01 | 21.10 | 21.01 | 23.00 | 22.15 | 22.22 | 24.00 |
| 3GPP Rel 6 HSUPA Subtest-2 | 19.07 | 19.06 | 19.08 | 21.00 | 19.11 | 19.16 | 19.05 | 21.00 | 20.24 | 20.38 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-3 | 20.11 | 20.14 | 20.18 | 22.00 | 20.13 | 20.24 | 20.24 | 22.00 | 21.39 | 21.45 | 23.00 |
| 3GPP Rel 6 HSUPA Subtest-4 | 19.02 | 19.00 | 19.03 | 21.00 | 19.06 | 19.03 | 19.07 | 21.00 | 20.20 | 20.24 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-5 | 21.01 | 21.01 | 21.07 | 23.00 | 21.05 | 21.11 | 21.04 | 23.00 | 22.14 | 22.33 | 24.00 |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 18.63 | 18.75 | 18.58 | 20.50 | 18.62 | 18.70 | 18.63 | 20.50 | 19.78 | 20.00 | 21.50 |



| Band 4 Main PA Ant1 | | | | | | | | | | |
|---------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Time-up limit (min) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.96 | 22.97 | 22.98 | | 24.5 | 0 | |
| 20 | QPSK | 1 | 49 | 22.74 | 22.88 | 22.76 | | | | |
| 20 | QPSK | 50 | 0 | 21.75 | 21.85 | 21.73 | | | | |
| 20 | QPSK | 50 | 24 | 21.65 | 21.74 | 21.73 | | | | |
| 20 | QPSK | 50 | 50 | 21.84 | 21.74 | 21.59 | | 23.5 | 1 | |
| 20 | QPSK | 100 | 0 | 21.72 | 21.83 | 21.68 | | | | |
| 20 | 16QAM | 1 | 0 | 21.80 | 21.87 | 21.82 | | | | |
| 20 | 16QAM | 1 | 49 | 21.71 | 21.81 | 21.77 | | 23.5 | 1 | |
| 20 | 16QAM | 1 | 99 | 21.72 | 21.77 | 21.68 | | | | |
| 20 | 16QAM | 50 | 0 | 20.80 | 20.84 | 20.73 | | | | |
| 20 | 16QAM | 50 | 24 | 20.71 | 20.78 | 20.87 | | 22.5 | 2 | |
| 20 | 16QAM | 50 | 50 | 20.69 | 20.80 | 20.69 | | | | |
| 20 | 16QAM | 100 | 0 | 20.65 | 20.74 | 20.61 | | | | |
| 20 | 64QAM | 1 | 0 | 20.82 | 20.86 | 20.71 | | | | |
| 20 | 64QAM | 1 | 49 | 20.76 | 20.80 | 20.76 | | 22.5 | 2 | |
| 20 | 64QAM | 50 | 0 | 19.84 | 19.79 | 19.67 | | | | |
| 20 | 64QAM | 50 | 24 | 19.58 | 19.70 | 19.58 | | | | |
| 20 | 64QAM | 50 | 50 | 19.72 | 19.78 | 19.68 | | 21.5 | 3 | |
| 20 | 64QAM | 100 | 0 | 19.52 | 19.67 | 19.58 | | | | |
| 20 | 256QAM | 1 | 49 | 17.80 | 17.68 | 17.56 | | 19.5 | 5 | |
| 20 | 256QAM | 1 | 99 | 17.67 | 17.63 | 17.54 | | | | |
| 20 | 256QAM | 50 | 0 | 17.54 | 17.63 | 17.52 | | | | |
| 20 | 256QAM | 50 | 24 | 17.54 | 17.63 | 17.52 | | 19.5 | 5 | |
| 20 | 256QAM | 50 | 50 | 17.66 | 17.69 | 17.66 | | | | |
| 20 | 256QAM | 100 | 0 | 17.52 | 17.61 | 17.51 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.86 | 22.82 | 22.78 | | 24.5 | 0 | |
| 15 | QPSK | 1 | 37 | 22.79 | 22.86 | 22.82 | | | | |
| 15 | QPSK | 1 | 74 | 22.65 | 22.76 | 22.62 | | | | |
| 15 | QPSK | 36 | 0 | 21.72 | 21.71 | 21.67 | | | | |
| 15 | QPSK | 36 | 25 | 21.56 | 21.65 | 21.69 | | 23.5 | 1 | |
| 15 | QPSK | 36 | 39 | 21.57 | 21.64 | 21.64 | | | | |
| 15 | QPSK | 75 | 0 | 21.59 | 21.78 | 21.58 | | | | |
| 15 | 16QAM | 1 | 0 | 21.66 | 21.66 | 21.67 | | | | |
| 15 | 16QAM | 1 | 37 | 21.60 | 21.72 | 21.72 | | 23.5 | 1 | |
| 15 | 16QAM | 1 | 74 | 21.66 | 21.77 | 21.67 | | | | |
| 15 | 16QAM | 36 | 0 | 20.68 | 20.67 | 20.69 | | | | |
| 15 | 16QAM | 36 | 25 | 20.65 | 20.70 | 20.63 | | 22.5 | 2 | |
| 15 | 16QAM | 36 | 39 | 20.65 | 20.71 | 20.68 | | | | |
| 15 | 16QAM | 75 | 0 | 20.61 | 20.70 | 20.58 | | | | |
| 15 | 64QAM | 1 | 0 | 20.70 | 20.81 | 20.50 | | | | |
| 15 | 64QAM | 1 | 37 | 20.65 | 20.76 | 20.61 | | 22.5 | 2 | |
| 15 | 64QAM | 1 | 74 | 20.60 | 20.65 | 20.51 | | | | |
| 15 | 64QAM | 36 | 0 | 19.55 | 19.68 | 19.62 | | | | |
| 15 | 64QAM | 36 | 25 | 19.66 | 19.73 | 19.68 | | 21.5 | 3 | |
| 15 | 64QAM | 36 | 39 | 19.53 | 19.71 | 19.61 | | | | |
| 15 | 64QAM | 75 | 0 | 19.66 | 19.65 | 19.54 | | | | |
| 15 | 256QAM | 1 | 37 | 17.70 | 17.72 | 17.61 | | 19.5 | 5 | |
| 15 | 256QAM | 1 | 74 | 17.64 | 17.67 | 17.63 | | | | |
| 15 | 256QAM | 1 | 111 | 17.63 | 17.66 | 17.61 | | | | |
| 15 | 256QAM | 36 | 0 | 17.61 | 17.63 | 17.59 | | | | |
| 15 | 256QAM | 36 | 25 | 17.58 | 17.58 | 17.52 | | 19.5 | 5 | |
| 15 | 256QAM | 36 | 39 | 17.71 | 17.70 | 17.63 | | | | |
| 15 | 256QAM | 75 | 0 | 17.56 | 17.52 | 17.56 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.60 | 22.66 | 22.65 | | 24.5 | 0 | |
| 10 | QPSK | 1 | 25 | 22.77 | 22.88 | 22.75 | | | | |
| 10 | QPSK | 1 | 49 | 22.64 | 22.81 | 22.66 | | | | |
| 10 | QPSK | 25 | 0 | 21.54 | 21.63 | 21.53 | | | | |
| 10 | QPSK | 25 | 12 | 21.54 | 21.73 | 21.67 | | 23.5 | 1 | |
| 10 | QPSK | 25 | 25 | 21.54 | 21.66 | 21.53 | | | | |
| 10 | 16QAM | 1 | 0 | 21.72 | 21.72 | 21.72 | | | | |
| 10 | 16QAM | 1 | 24 | 21.64 | 21.68 | 21.71 | | 23.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 21.60 | 21.67 | 21.67 | | | | |
| 10 | 16QAM | 25 | 0 | 20.66 | 20.60 | 20.59 | | | | |
| 10 | 16QAM | 25 | 12 | 20.66 | 20.68 | 20.63 | | 22.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 20.65 | 20.70 | 20.63 | | | | |
| 10 | 16QAM | 50 | 0 | 20.61 | 20.68 | 20.59 | | | | |
| 10 | 64QAM | 1 | 0 | 20.71 | 20.73 | 20.68 | | | | |
| 10 | 64QAM | 1 | 24 | 20.72 | 20.69 | 20.67 | | 22.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 20.61 | 20.70 | 20.56 | | | | |
| 10 | 64QAM | 25 | 0 | 19.59 | 19.70 | 19.64 | | | | |
| 10 | 64QAM | 25 | 12 | 19.60 | 19.65 | 19.65 | | 21.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 19.60 | 19.61 | 19.63 | | | | |
| 10 | 64QAM | 50 | 0 | 19.53 | 19.63 | 19.59 | | | | |
| 10 | 256QAM | 1 | 24 | 17.71 | 17.66 | 17.61 | | 19.5 | 5 | |
| 10 | 256QAM | 1 | 49 | 17.64 | 17.68 | 17.61 | | | | |
| 10 | 256QAM | 1 | 74 | 17.63 | 17.66 | 17.61 | | | | |
| 10 | 256QAM | 25 | 0 | 17.62 | 17.62 | 17.59 | | | | |
| 10 | 256QAM | 25 | 12 | 17.56 | 17.61 | 17.63 | | 19.5 | 5 | |
| 10 | 256QAM | 25 | 25 | 17.67 | 17.64 | 17.63 | | | | |
| 10 | 256QAM | 50 | 0 | 17.51 | 17.71 | 17.58 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.85 | 22.81 | 22.85 | | 24.5 | 0 | |
| 5 | QPSK | 1 | 12 | 22.79 | 22.87 | 22.85 | | | | |
| 5 | QPSK | 1 | 24 | 22.67 | 22.83 | 22.72 | | | | |
| 5 | QPSK | 12 | 0 | 21.66 | 21.66 | 21.67 | | | | |
| 5 | QPSK | 12 | 7 | 21.58 | 21.64 | 21.67 | | 23.5 | 1 | |
| 5 | QPSK | 12 | 13 | 21.63 | 21.60 | 21.62 | | | | |
| 5 | QPSK | 25 | 0 | 21.67 | 21.67 | 21.67 | | | | |
| 5 | 16QAM | 1 | 0 | 21.74 | 21.79 | 21.74 | | 23.5 | 1 | |
| 5 | 16QAM | 1 | 12 | 21.60 | 21.72 | 21.74 | | | | |
| 5 | 16QAM | 1 | 24 | 21.67 | 21.65 | 21.65 | | | | |
| 5 | 16QAM | 12 | 0 | 20.65 | 20.61 | 20.61 | | | | |
| 5 | 16QAM | 12 | 7 | 20.63 | 20.71 | 20.56 | | 22.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 20.64 | 20.70 | 20.63 | | | | |
| 5 | 16QAM | 25 | 0 | 20.57 | 20.61 | 20.67 | | | | |
| 5 | 64QAM | 1 | 0 | 20.72 | 20.72 | 20.59 | | | | |
| 5 | 64QAM | 1 | 12 | 20.69 | 20.71 | 20.67 | | 22.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 20.57 | 20.64 | 20.66 | | | | |
| 5 | 64QAM | 12 | 0 | 19.50 | 19.65 | 19.58 | | | | |
| 5 | 64QAM | 12 | 7 | 19.53 | 19.62 | 19.60 | | 21.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 19.64 | 19.64 | 19.56 | | | | |
| 5 | 64QAM | 25 | 0 | 19.57 | 19.65 | 19.62 | | | | |
| 5 | 256QAM | 1 | 0 | 17.65 | 17.73 | 17.60 | | 19.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 17.64 | 17.73 | 17.61 | | | | |
| 5 | 256QAM | 1 | 24 | 17.56 | 17.60 | 17.57 | | | | |
| 5 | 256QAM | 12 | 0 | 17.65 | 17.68 | 17.66 | | | | |
| 5 | 256QAM | 12 | 7 | 17.60 | 17.63 | 17.63 | | 19.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 17.69 | 17.75 | 17.65 | | | | |
| 5 | 256QAM | 25 | 0 | 17.55 | 17.65 | 17.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 22.92 | 22.92 | 22.92 | | 24.5 | 0 | |
| 3 | QPSK | 1 | 8 | 22.73 | 22.81 | 22.76 | | | | |
| 3 | QPSK | 1 | 14 | 22.63 | 22.77 | 22.69 | | | | |
| 3 | QPSK | 8 | 0 | 21.65 | 21.65 | 21.63 | | | | |
| 3 | QPSK | 8 | 4 | 21.60 | 21.71 | 21.69 | | 23.5 | 1 | |
| 3 | QPSK | 8 | 7 | 21.60 | 21.71 | 21.58 | | | | |
| 3 | QPSK | 15 | 0 | 21.56 | 21.62 | 21.63 | | | | |
| 3 | 16QAM | 1 | 0 | 21.75 | 21.82 | 21.70 | | 23.5 | 1 | |
| 3 | 16QAM | 1 | 8 | 21.62 | 21.74 | 21.68 | | | | |
| 3 | 16QAM | 1 | 14 | 21.68 | 21.72 | 21.67 | | | | |
| 3 | 16QAM | 8 | 0 | 20.73 | 20.77 | 20.64 | | | | |
| 3 | 16QAM | 8 | 4 | 20.60 | 20.63 | 20.63 | | 22.5 | 2 | |
| 3 | 16QAM | 8 | 7 | 20.64 | 20.71 | 20.63 | | | | |
| 3 | 16QAM | 15 | 0 | 20.52 | 20.56 | 20.56 | | | | |
| 3 | 64QAM | 1 | 0 | 20.73 | 20.79 | 20.65 | | | | |
| 3 | 64QAM | 1 | 8 | 20.66 | 20.66 | 20.71 | | 22.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 20.51 | 20.62 | 20.64 | | | | |
| 3 | 64QAM | 8 | 0 | 19.68 | 19.79 | 19.79 | | | | |
| 3 | 64QAM | 8 | 4 | 19.62 | 19.79 | | | | | |



| Band 13 Main PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 752 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.60 | 23.60 | 23.60 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.85 | 23.85 | 23.85 | | | | |
| 10 | QPSK | 25 | 0 | 23.60 | 23.60 | 23.60 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 49 | 23.85 | 23.85 | 23.85 | | | | |
| 10 | QPSK | 25 | 25 | 22.79 | 22.79 | 22.79 | | | | |
| 10 | QPSK | 50 | 0 | 22.67 | 22.67 | 22.67 | 24.5 | 1 | | |
| 10 | QPSK | 50 | 49 | 22.86 | 22.86 | 22.86 | | | | |
| 10 | 16QAM | 1 | 25 | 22.79 | 22.79 | 22.79 | | | | |
| 10 | 16QAM | 1 | 49 | 22.75 | 22.75 | 22.75 | | | | |
| 10 | 16QAM | 1 | 25 | 21.81 | 21.81 | 21.81 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.85 | 21.85 | 21.85 | | | | |
| 10 | 16QAM | 50 | 0 | 21.79 | 21.79 | 21.79 | | | | |
| 10 | 16QAM | 1 | 0 | 22.07 | 22.07 | 22.07 | | | | |
| 10 | 64QAM | 1 | 25 | 22.01 | 22.01 | 22.01 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.97 | 21.97 | 21.97 | | | | |
| 10 | 64QAM | 25 | 0 | 20.87 | 20.87 | 20.87 | | | | |
| 10 | 64QAM | 25 | 12 | 20.76 | 20.76 | 20.76 | 22.5 | 3 | | |
| 10 | 64QAM | 50 | 0 | 20.75 | 20.75 | 20.75 | | | | |
| 10 | 256QAM | 1 | 0 | 18.94 | 18.94 | 18.94 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.88 | 18.88 | 18.88 | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.88 | 18.88 | | | | |
| 10 | 256QAM | 25 | 12 | 18.78 | 18.78 | 18.78 | 20.5 | 5 | | |
| 10 | 256QAM | 50 | 0 | 18.84 | 18.84 | 18.84 | | | | |
| 10 | 256QAM | 50 | 49 | 18.81 | 18.81 | 18.81 | | | | |
| Channel | | | | | | | | | | |
| 2305 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.84 | 23.84 | 23.84 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 16 | 23.87 | 23.87 | 23.87 | | | | |
| 5 | QPSK | 1 | 24 | 23.78 | 23.80 | 23.77 | | | | |
| 5 | QPSK | 12 | 0 | 22.87 | 22.78 | 22.89 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.72 | 22.70 | 22.73 | | | | |
| 5 | QPSK | 12 | 13 | 22.73 | 22.72 | 22.68 | | | | |
| 5 | QPSK | 25 | 0 | 22.84 | 22.71 | 22.78 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.74 | 22.71 | 22.78 | | | | |
| 5 | 16QAM | 1 | 12 | 22.65 | 22.71 | 22.72 | 24.5 | 1 | | |
| 5 | 16QAM | 12 | 0 | 21.78 | 21.80 | 21.78 | | | | |
| 5 | 16QAM | 12 | 7 | 21.69 | 21.68 | 21.74 | 23.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.72 | 21.75 | 21.64 | | | | |
| 5 | 64QAM | 1 | 0 | 21.65 | 21.65 | 21.68 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 0 | 20.67 | 20.63 | 20.65 | | | | |
| 5 | 64QAM | 12 | 0 | 20.74 | 20.74 | 20.78 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.67 | 20.63 | 20.65 | | | | |
| 5 | 64QAM | 12 | 13 | 20.76 | 20.73 | 20.70 | | | | |
| 5 | 64QAM | 25 | 0 | 20.68 | 20.64 | 20.60 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 0 | 18.84 | 18.81 | 18.84 | | | | |
| 5 | 256QAM | 1 | 12 | 18.77 | 18.87 | 18.82 | | | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.72 | 18.78 | | | | |
| 5 | 256QAM | 12 | 0 | 18.74 | 18.76 | 18.84 | | | | |
| 5 | 256QAM | 12 | 7 | 18.72 | 18.73 | 18.64 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.69 | 18.76 | 18.79 | | | | |
| 5 | 256QAM | 25 | 0 | 18.71 | 18.70 | 18.68 | | | | |

| Band 26 Main PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 821.5 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.70 | 23.77 | 23.66 | 25.5 | 0 | | |
| 15 | QPSK | 1 | 31 | 23.81 | 23.84 | 23.82 | | | | |
| 15 | QPSK | 1 | 74 | 23.81 | 23.84 | 23.82 | | | | |
| 15 | QPSK | 36 | 0 | 22.62 | 22.74 | 22.66 | 24.5 | 1 | | |
| 15 | QPSK | 36 | 29 | 22.63 | 22.63 | 22.64 | | | | |
| 15 | QPSK | 36 | 38 | 22.54 | 22.63 | 22.58 | | | | |
| 15 | QPSK | 75 | 0 | 22.60 | 22.67 | 22.60 | 24.5 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.66 | 22.61 | 22.72 | | | | |
| 15 | 16QAM | 1 | 37 | 22.81 | 22.75 | 22.83 | 24.5 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.67 | 22.71 | 22.60 | | | | |
| 15 | 16QAM | 36 | 0 | 22.63 | 22.76 | 22.62 | 23.5 | 2 | | |
| 15 | 16QAM | 36 | 20 | 21.83 | 21.68 | 21.58 | | | | |
| 15 | 16QAM | 36 | 39 | 21.88 | 21.72 | 21.59 | | | | |
| 15 | 16QAM | 75 | 0 | 21.54 | 21.69 | 21.58 | 23.5 | 2 | | |
| 15 | 64QAM | 1 | 0 | 21.82 | 21.92 | 21.84 | | | | |
| 15 | 64QAM | 1 | 37 | 21.78 | 21.86 | 21.80 | 23.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.73 | 21.82 | 21.71 | | | | |
| 15 | 64QAM | 36 | 0 | 20.84 | 20.89 | 20.79 | 22.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.74 | 20.89 | 20.72 | | | | |
| 15 | 64QAM | 36 | 39 | 20.72 | 20.68 | 20.70 | | | | |
| 15 | 64QAM | 75 | 0 | 20.69 | 20.77 | 20.67 | 20.5 | 5 | | |
| 15 | 256QAM | 1 | 0 | 18.61 | 18.76 | 18.63 | | | | |
| 15 | 256QAM | 1 | 37 | 18.58 | 18.72 | 18.64 | 20.5 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.64 | 18.67 | 18.60 | | | | |
| 15 | 256QAM | 12 | 0 | 18.59 | 18.64 | 18.62 | | | | |
| 15 | 256QAM | 12 | 20 | 18.54 | 18.58 | 18.51 | 20.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.60 | 18.62 | 18.55 | | | | |
| 15 | 256QAM | 75 | 0 | 18.60 | 18.63 | 18.56 | | | | |
| Channel | | | | | | | | | | |
| 810 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.60 | 23.74 | 23.62 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 29 | 23.68 | 23.64 | 23.62 | | | | |
| 10 | QPSK | 1 | 49 | 23.55 | 23.70 | 23.56 | | | | |
| 10 | QPSK | 26 | 0 | 22.63 | 22.67 | 22.70 | 24.5 | 1 | | |
| 10 | QPSK | 26 | 29 | 22.69 | 22.68 | 22.63 | | | | |
| 10 | QPSK | 26 | 28 | 22.59 | 22.55 | 22.58 | | | | |
| 10 | QPSK | 50 | 0 | 22.66 | 22.69 | 22.66 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.74 | 22.81 | 22.70 | | | | |
| 10 | 16QAM | 1 | 29 | 22.59 | 22.81 | 22.62 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 21.65 | 21.62 | 21.65 | | | | |
| 10 | 16QAM | 25 | 0 | 21.61 | 21.62 | 21.58 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.67 | 21.65 | 21.53 | | | | |
| 10 | 16QAM | 36 | 0 | 21.51 | 21.52 | 21.52 | 22.5 | 3 | | |
| 10 | 16QAM | 36 | 0 | 21.72 | 21.77 | 21.80 | | | | |
| 10 | 64QAM | 1 | 0 | 21.65 | 21.72 | 21.65 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.63 | 21.75 | 21.59 | | | | |
| 10 | 64QAM | 25 | 0 | 20.71 | 20.76 | 20.68 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 20.66 | 20.69 | 20.65 | | | | |
| 10 | 64QAM | 25 | 25 | 20.58 | 20.50 | 20.51 | | | | |
| 10 | 64QAM | 50 | 0 | 20.56 | 20.68 | 20.63 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 0 | 18.57 | 18.70 | 18.61 | | | | |
| 10 | 256QAM | 1 | 29 | 18.61 | 18.70 | 18.57 | 20.5 | 5 | | |
| 10 | 256QAM | 12 | 0 | 18.54 | 18.58 | 18.52 | | | | |
| 10 | 256QAM | 12 | 7 | 18.54 | 18.50 | 18.57 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.58 | 18.61 | 18.54 | | | | |
| 10 | 256QAM | 50 | 0 | 18.71 | 18.65 | 18.62 | | | | |
| Channel | | | | | | | | | | |
| 816.5 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.59 | 23.63 | 23.55 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.59 | 23.63 | 23.55 | | | | |
| 5 | QPSK | 1 | 24 | 23.55 | 23.65 | 23.52 | | | | |
| 5 | QPSK | 1 | 49 | 22.80 | 22.84 | 22.80 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 0 | 22.63 | 22.74 | 22.54 | | | | |
| 5 | QPSK | 12 | 13 | 22.56 | 22.62 | 22.58 | | | | |
| 5 | QPSK | 25 | 0 | 22.66 | 22.66 | 22.66 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.64 | 22.78 | 22.79 | | | | |
| 5 | 16QAM | 1 | 12 | 22.59 | 22.76 | 22.67 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 21.69 | 21.77 | 21.64 | | | | |
| 5 | 16QAM | 12 | 0 | 21.66 | 21.69 | 21.62 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.66 | 21.69 | 21.51 | | | | |
| 5 | 16QAM | 12 | 13 | 21.67 | 21.71 | 21.63 | | | | |
| 5 | 16QAM | 25 | 0 | 21.54 | 21.68 | 21.62 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 0 | 21.72 | 21.80 | 21.75 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.73 | 21.73 | 21.73 | | | | |
| 5 | 64QAM | 1 | 24 | 21.66 | 21.77 | 21.61 | | | | |
| 5 | 64QAM | 12 | 0 | 20.81 | 20.78 | 20.75 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.86 | 20.89 | 20.85 | | | | |
| 5 | 64QAM | 12 | 13 | 20.58 | 20.71 | 20.64 | | | | |
| 5 | 64QAM | 25 | 0 | 20.56 | 20.69 | 20.67 | 20. | | | |



| Band 38 Main PA Ant1 | | | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|----|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.66 | 23.73 | 23.81 | 25 | 0 | | | | |
| 20 | QPSK | 1 | 49 | 23.62 | 23.69 | 23.59 | | | | | | |
| 20 | QPSK | 50 | 0 | 23.62 | 23.69 | 23.59 | | | | | | |
| 20 | QPSK | 50 | 24 | 22.77 | 22.81 | 22.71 | | | | | | |
| 20 | QPSK | 100 | 0 | 22.82 | 22.84 | 22.74 | | | | | | |
| 20 | 16QAM | 1 | 0 | 22.83 | 22.85 | 22.87 | 24 | 1 | | | | |
| 20 | 16QAM | 1 | 49 | 22.71 | 22.84 | 21.89 | | | | | | |
| 20 | 16QAM | 1 | 99 | 22.87 | 22.90 | 22.82 | | | | | | |
| 20 | 16QAM | 50 | 0 | 21.99 | 21.90 | 21.76 | | | | | | |
| 20 | 16QAM | 50 | 24 | 21.77 | 21.84 | 21.89 | | | | | | |
| 20 | 16QAM | 100 | 0 | 21.77 | 21.89 | 21.77 | 23 | 2 | | | | |
| 20 | 16QAM | 100 | 0 | 21.49 | 21.54 | 21.25 | | | | | | |
| 20 | 16QAM | 1 | 49 | 21.43 | 21.85 | 21.42 | | | | | | |
| 20 | 16QAM | 1 | 99 | 21.39 | 21.62 | 21.34 | | | | | | |
| 20 | 16QAM | 50 | 0 | 20.78 | 20.91 | 20.84 | | | | | | |
| 20 | 16QAM | 50 | 24 | 20.74 | 20.78 | 20.69 | 22 | 3 | | | | |
| 20 | 16QAM | 50 | 50 | 20.74 | 20.79 | 20.71 | | | | | | |
| 20 | 16QAM | 100 | 0 | 20.61 | 20.88 | 20.87 | | | | | | |
| 20 | 256QAM | 1 | 0 | 18.81 | 18.85 | 18.56 | | | | | | |
| 20 | 256QAM | 1 | 49 | 18.48 | 18.66 | 18.62 | | | | | | |
| 20 | 256QAM | 1 | 99 | 18.48 | 18.62 | 18.67 | 20 | 5 | | | | |
| 20 | 256QAM | 50 | 0 | 18.48 | 18.67 | 18.61 | | | | | | |
| 20 | 256QAM | 50 | 24 | 18.84 | 18.87 | 18.73 | | | | | | |
| 20 | 256QAM | 50 | 50 | 18.51 | 18.86 | 18.89 | | | | | | |
| 20 | 256QAM | 100 | 0 | 18.73 | 18.75 | 18.74 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.72 | 23.95 | 24.15 | 25 | 0 | | | | |
| 15 | QPSK | 1 | 37 | 23.50 | 23.81 | 23.85 | | | | | | |
| 15 | QPSK | 1 | 74 | 23.46 | 23.58 | 23.46 | | | | | | |
| 15 | QPSK | 36 | 0 | 22.86 | 22.86 | 22.72 | | | | | | |
| 15 | QPSK | 36 | 20 | 22.74 | 22.77 | 22.60 | | | | | | |
| 15 | 16QAM | 1 | 0 | 22.72 | 22.77 | 22.66 | 24 | 1 | | | | |
| 15 | 16QAM | 1 | 37 | 22.66 | 22.77 | 22.66 | | | | | | |
| 15 | 16QAM | 1 | 74 | 22.84 | 22.82 | 22.74 | | | | | | |
| 15 | 16QAM | 36 | 0 | 21.74 | 21.86 | 21.71 | | | | | | |
| 15 | 16QAM | 36 | 20 | 21.62 | 21.80 | 21.64 | | | | | | |
| 15 | 16QAM | 75 | 0 | 21.36 | 21.50 | 21.34 | 23 | 2 | | | | |
| 15 | 16QAM | 36 | 39 | 21.70 | 21.76 | 21.84 | | | | | | |
| 15 | 16QAM | 75 | 0 | 21.88 | 21.80 | 21.84 | | | | | | |
| 15 | 16QAM | 75 | 0 | 21.36 | 21.50 | 21.34 | | | | | | |
| 15 | 16QAM | 1 | 37 | 21.34 | 21.41 | 21.38 | | | | | | |
| 15 | 16QAM | 74 | 0 | 21.27 | 21.33 | 21.24 | 22 | 3 | | | | |
| 15 | 16QAM | 36 | 0 | 20.63 | 20.86 | 20.78 | | | | | | |
| 15 | 16QAM | 36 | 20 | 20.69 | 20.71 | 20.59 | | | | | | |
| 15 | 16QAM | 75 | 0 | 20.67 | 20.72 | 20.62 | | | | | | |
| 15 | 16QAM | 75 | 0 | 20.25 | 20.35 | 20.45 | | | | | | |
| 15 | 256QAM | 1 | 0 | 18.39 | 18.51 | 18.42 | 20 | 5 | | | | |
| 15 | 256QAM | 1 | 37 | 18.54 | 18.52 | 18.45 | | | | | | |
| 15 | 256QAM | 1 | 74 | 18.45 | 18.57 | 18.51 | | | | | | |
| 15 | 256QAM | 36 | 0 | 18.84 | 18.85 | 18.68 | | | | | | |
| 15 | 256QAM | 36 | 20 | 18.84 | 18.83 | 18.68 | | | | | | |
| 15 | 256QAM | 36 | 39 | 18.86 | 18.86 | 18.86 | 15 | 5 | | | | |
| 15 | 256QAM | 75 | 0 | 18.86 | 18.86 | 18.86 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.36 | 23.44 | 23.54 | | | | 25 | 0 | |
| 10 | QPSK | 1 | 25 | 23.54 | 23.62 | 23.56 | | | | | | |
| 10 | QPSK | 1 | 49 | 23.47 | 23.50 | 23.48 | | | | | | |
| 10 | QPSK | 25 | 12 | 22.85 | 22.89 | 22.87 | | | | | | |
| 10 | QPSK | 25 | 25 | 22.81 | 22.79 | 22.67 | | | | | | |
| 10 | 16QAM | 1 | 0 | 22.71 | 22.80 | 22.80 | 24 | 1 | | | | |
| 10 | 16QAM | 1 | 25 | 22.87 | 22.73 | 22.86 | | | | | | |
| 10 | 16QAM | 1 | 49 | 22.71 | 22.87 | 22.74 | | | | | | |
| 10 | 16QAM | 25 | 0 | 21.79 | 21.82 | 21.70 | | | | | | |
| 10 | 16QAM | 25 | 12 | 21.68 | 21.76 | 21.64 | | | | | | |
| 10 | 16QAM | 25 | 25 | 21.73 | 21.80 | 21.89 | 23 | 2 | | | | |
| 10 | 16QAM | 1 | 0 | 21.44 | 21.50 | 21.38 | | | | | | |
| 10 | 16QAM | 1 | 25 | 21.74 | 21.79 | 21.69 | | | | | | |
| 10 | 16QAM | 1 | 49 | 21.74 | 21.80 | 21.89 | | | | | | |
| 10 | 16QAM | 1 | 25 | 21.30 | 21.43 | 21.30 | | | | | | |
| 10 | 16QAM | 1 | 49 | 21.27 | 21.31 | 21.27 | 23 | 2 | | | | |
| 10 | 16QAM | 25 | 0 | 20.70 | 20.78 | 20.78 | | | | | | |
| 10 | 16QAM | 25 | 12 | 20.62 | 20.63 | 20.57 | | | | | | |
| 10 | 16QAM | 25 | 25 | 20.80 | 20.87 | 20.81 | | | | | | |
| 10 | 16QAM | 50 | 0 | 20.57 | 20.60 | 20.45 | | | | | | |
| 10 | 256QAM | 1 | 0 | 18.42 | 18.59 | 18.47 | 20 | 5 | | | | |
| 10 | 256QAM | 1 | 25 | 18.45 | 18.61 | 18.47 | | | | | | |
| 10 | 256QAM | 1 | 49 | 18.43 | 18.48 | 18.51 | | | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.86 | 18.77 | | | | | | |
| 10 | 256QAM | 25 | 12 | 18.77 | 18.93 | 18.66 | | | | | | |
| 10 | 256QAM | 25 | 25 | 18.87 | 18.96 | 18.70 | 20 | 5 | | | | |
| 10 | 256QAM | 50 | 0 | 18.88 | 18.71 | 18.67 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.57 | 23.69 | 23.54 | | | | 25 | 0 | |
| 5 | QPSK | 1 | 12 | 23.61 | 23.68 | 23.50 | | | | | | |
| 5 | QPSK | 1 | 24 | 23.38 | 23.52 | 23.43 | | | | | | |
| 5 | QPSK | 10 | 0 | 22.71 | 22.86 | 22.72 | | | | | | |
| 5 | QPSK | 10 | 7 | 22.84 | 22.86 | 22.86 | | | | | | |
| 5 | QPSK | 12 | 18 | 22.85 | 22.72 | 22.69 | 24 | 1 | | | | |
| 5 | QPSK | 25 | 0 | 22.59 | 22.79 | 22.65 | | | | | | |
| 5 | QPSK | 25 | 0 | 22.73 | 22.91 | 22.79 | | | | | | |
| 5 | 16QAM | 1 | 12 | 22.67 | 22.77 | 22.68 | | | | | | |
| 5 | 16QAM | 1 | 24 | 22.80 | 22.81 | 22.74 | | | | | | |
| 5 | 16QAM | 12 | 0 | 21.74 | 21.88 | 21.65 | 23 | 2 | | | | |
| 5 | 16QAM | 12 | 7 | 21.84 | 21.79 | 21.66 | | | | | | |
| 5 | 16QAM | 12 | 13 | 21.74 | 21.78 | 21.72 | | | | | | |
| 5 | 16QAM | 25 | 0 | 21.74 | 21.74 | 21.72 | | | | | | |
| 5 | 16QAM | 1 | 0 | 21.30 | 21.43 | 21.30 | | | | | | |
| 5 | 16QAM | 1 | 12 | 21.30 | 21.42 | 21.38 | 23 | 2 | | | | |
| 5 | 16QAM | 1 | 24 | 21.27 | 21.32 | 21.22 | | | | | | |
| 5 | 16QAM | 10 | 0 | 20.73 | 20.84 | 20.66 | | | | | | |
| 5 | 16QAM | 10 | 7 | 20.87 | 20.74 | 20.55 | | | | | | |
| 5 | 16QAM | 12 | 13 | 20.89 | 20.74 | 20.67 | | | | | | |
| 5 | 16QAM | 25 | 0 | 20.74 | 20.74 | 20.46 | 22 | 3 | | | | |
| 5 | 16QAM | 1 | 0 | 18.40 | 18.57 | 18.45 | | | | | | |
| 5 | 256QAM | 1 | 12 | 18.54 | 18.58 | 18.41 | | | | | | |
| 5 | 256QAM | 1 | 24 | 18.37 | 18.58 | 18.43 | | | | | | |
| 5 | 256QAM | 12 | 0 | 18.87 | 18.83 | 18.72 | | | | | | |
| 5 | 256QAM | 12 | 7 | 18.80 | 18.84 | 18.60 | 20 | 5 | | | | |
| 5 | 256QAM | 12 | 13 | 18.85 | 18.89 | 18.77 | | | | | | |
| 5 | 256QAM | 25 | 0 | 18.83 | 18.88 | 18.61 | | | | | | |

| Band 41 Main PA Ant1 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.64 | 23.73 | 23.81 | 24.5 | 0 | |
| 20 | QPSK | 1 | 49 | 23.63 | 23.73 | 23.75 | | | |
| 20 | QPSK | 50 | 0 | 23.63 | 23.73 | 23.67 | | | |
| 20 | QPSK | 50 | 24 | 22.80 | 22.84 | 22.82 | | | |
| 20 | QPSK | 100 | 0 | 22.75 | 22.77 | 22.81 | | | |
| 20 | 16QAM | 1 | 0 | 22.81 | 22.80 | 22.86 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 49 | 22.84 | 22.82 | 22.86 | | | |
| 20 | 16QAM | 1 | 99 | 22.94 | 22.85 | 22.89 | | | |
| 20 | 16QAM | 50 | 0 | 21.88 | 21.94 | 22.01 | | | |
| 20 | 16QAM | 50 | 24 | 21.81 | 21.92 | 21.95 | | | |
| 20 | 16QAM | 100 | 0 | 21.88 | 21.84 | 22.05 | 22.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 21.48 | 21.69 | 21.41 | | | |
| 20 | 16QAM | 1 | 49 | 21.48 | 21.87 | 21.82 | | | |
| 20 | 16QAM | 1 | 99 | 21.47 | 21.62 | 21.40 | | | |
| 20 | 16QAM | 50 | 0 | 20.91 | 20.88 | 21.02 | | | |
| 20 | 16QAM | 50 | 24 | 20.78 | 20.81 | 20.89 | 21.5 | 3 | |
| 20 | 16QAM | 50 | 50 | 20.78 | 20.85 | 20.87 | | | |
| 20 | 16QAM | 100 | 0 | 20.71 | 20.68 | 20.81 | | | |
| 20 | 256QAM | 1 | 0 | 18.64 | 18.64 | 18.81 | | | |
| 20 | 256QAM | 1 | 49 | 18.62 | 18.70 | 18.82 | | | |
| 20 | 256QAM | 1 | 99 | 18.57 | 18.63 | 18.68 | 19.5 | 5 | |
| 20 | 256QAM | 50 | 0 | 18.69 | 18.66 | 18.66 | | | |
| 20 | 256QAM | 50 | 24 | 18.86 | 18.91 | 18.87 | | | |
| 20 | 256QAM | 50 | 50 | 18.86 | 18.94 | 19.01 | | | |
| 20 | 256QAM | 100 | 0 | 18.70 | 18.89 | 18.74 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 23.68 | 23.63 | 23.72 | 25 | 0 | |
| 16 | QPSK | 1 | 37 | 23.81 | 23.63 | 23.81 | | | |
| 16 | QPSK | 1 | 74 | 23.40 | 23.60 | 23.62 | | | |
| 16 | QPSK | 36 | 0 | 22.81 | 22.71 | 22.84 | | | |
| 16 | QPSK | 36 | 20 | 22.76 | 22.74 | 22.85 | | | |
| 16 | 16QAM | 1 | 0 | 22.84 | 22.80 | 22.82 | 23.5 | 1 | |
| 16 | 16QAM | 1 | 37 | 22.71 | 22.69 | 22.82 | | | |
| 16 | 16QAM | 1 | 74 | 22.89 | 22.83 | 22.91 | | | |
| 16 | 16QAM | 36 | 0 | 21.75 | 21.80 | 21.82 | | | |
| 16 | 16QAM | 36 | 20 | 21.78 | 21.83 | 21.73 | | | |
| 16 | 16QAM | 75 | 0 | 21.76 | 21.72 | 21.87 | 22.5 | 2 | |
| 16 | 16QAM | 75 | 0 | 21.74 | 21.82 | 21.87 | | | |
| 16 | 16QAM | 75 | 0 | 21.38 | 21.60 | 21.52 | | | |
| 16 | 16QAM | 36 | 39 | 21.76 | 21.72 | 21.87 | | | |
| 16 | 16QAM | 75 | 0 | 21.74 | 21.82 | 21.87 | | | |
| 16 | 16QAM | 1 | 37 | 21.42 | 21.51 | 21.58 | 21.5 | 3 | |
| 16 | 16QAM | | | | | | | | |



| Band 42 FCC Par27Q Main PA Ant1 | | | | | | | | | | |
|---------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|----|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Med Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | 42190 | 42690 | 42990 | | | | |
| Frequency (MHz) | | | | 3472.5 | 3500 | 3547.5 | | | | |
| 20 | QPSK | 1 | 0 | 23.40 | 23.30 | 23.20 | | | | |
| 20 | QPSK | 1 | 49 | 23.36 | 23.41 | 23.30 | | | 25 | 0 |
| 20 | QPSK | 1 | 99 | 23.35 | 23.38 | 23.28 | | | | |
| 20 | QPSK | 50 | 0 | 22.30 | 22.41 | 22.31 | | | | |
| 20 | QPSK | 50 | 24 | 22.26 | 22.38 | 22.36 | | | 24 | 1 |
| 20 | QPSK | 100 | 0 | 22.24 | 22.28 | 22.18 | | | | |
| 20 | QPSK | 100 | 0 | 22.30 | 22.36 | 22.31 | | | | |
| 20 | 16QAM | 1 | 0 | 22.27 | 22.31 | 22.17 | | | 24 | 1 |
| 20 | 16QAM | 1 | 49 | 22.18 | 22.28 | 22.18 | | | | |
| 20 | 16QAM | 1 | 99 | 22.13 | 22.24 | 22.20 | | | | |
| 20 | 16QAM | 50 | 0 | 21.28 | 21.37 | 21.26 | | | | |
| 20 | 16QAM | 50 | 24 | 21.22 | 21.28 | 21.21 | | | 23 | 2 |
| 20 | 16QAM | 50 | 50 | 21.22 | 21.28 | 21.20 | | | | |
| 20 | 16QAM | 100 | 0 | 21.22 | 21.28 | 21.18 | | | | |
| 20 | 16QAM | 100 | 0 | 21.14 | 21.22 | 21.15 | | | | |
| 20 | 16QAM | 1 | 49 | 21.88 | 21.16 | 21.11 | | | 23 | 2 |
| 20 | 16QAM | 1 | 99 | 21.70 | 21.15 | 21.10 | | | | |
| 20 | 16QAM | 50 | 0 | 20.26 | 20.37 | 20.22 | | | | |
| 20 | 16QAM | 50 | 24 | 20.16 | 20.27 | 20.24 | | | 22 | 3 |
| 20 | 16QAM | 50 | 50 | 20.27 | 20.31 | 20.16 | | | | |
| 20 | 16QAM | 100 | 0 | 20.17 | 20.23 | 20.19 | | | | |
| 20 | 256QAM | 1 | 0 | 18.18 | 18.27 | 18.22 | | | | |
| 20 | 256QAM | 1 | 49 | 18.20 | 18.23 | 18.21 | | | 20 | 5 |
| 20 | 256QAM | 1 | 99 | 18.21 | 18.26 | 18.17 | | | | |
| 20 | 256QAM | 50 | 0 | 18.20 | 18.26 | 18.14 | | | | |
| 20 | 256QAM | 50 | 24 | 18.11 | 18.21 | 18.20 | | | 20 | 5 |
| 20 | 256QAM | 50 | 50 | 18.19 | 18.24 | 18.12 | | | | |
| 20 | 256QAM | 100 | 0 | 18.23 | 18.21 | 18.21 | | | | |
| Channel | | | | 43165 | 43590 | 43915 | | | | |
| Frequency (MHz) | | | | 3612.5 | 3700 | 3787.5 | | | | |
| 15 | QPSK | 1 | 0 | 23.23 | 23.33 | 23.20 | | | | |
| 15 | QPSK | 1 | 37 | 23.31 | 23.26 | 23.18 | | | 25 | 0 |
| 15 | QPSK | 1 | 74 | 23.28 | 23.29 | 23.18 | | | | |
| 15 | QPSK | 36 | 0 | 22.17 | 22.29 | 22.26 | | | | |
| 15 | QPSK | 36 | 20 | 22.11 | 22.22 | 22.23 | | | 24 | 1 |
| 15 | QPSK | 75 | 0 | 22.22 | 22.32 | 22.23 | | | | |
| 15 | 16QAM | 1 | 0 | 22.23 | 22.20 | 22.07 | | | 24 | 1 |
| 15 | 16QAM | 1 | 37 | 22.14 | 22.24 | 22.13 | | | | |
| 15 | 16QAM | 1 | 74 | 22.00 | 22.10 | 22.13 | | | | |
| 15 | 16QAM | 36 | 0 | 21.17 | 21.33 | 21.23 | | | 23 | 2 |
| 15 | 16QAM | 36 | 20 | 21.05 | 21.11 | 21.10 | | | | |
| 15 | 16QAM | 36 | 39 | 21.08 | 21.19 | 21.15 | | | | |
| 15 | 16QAM | 75 | 0 | 21.21 | 21.18 | 21.10 | | | | |
| 15 | 16QAM | 75 | 0 | 21.05 | 21.11 | 21.10 | | | | |
| 15 | 16QAM | 1 | 37 | 21.10 | 21.13 | 21.07 | | | 23 | 2 |
| 15 | 16QAM | 1 | 74 | 21.04 | 21.16 | 21.10 | | | | |
| 15 | 16QAM | 36 | 0 | 20.15 | 20.30 | 20.15 | | | 22 | 3 |
| 15 | 16QAM | 36 | 20 | 20.05 | 20.15 | 20.19 | | | | |
| 15 | 16QAM | 36 | 39 | 20.17 | 20.18 | 20.04 | | | | |
| 15 | 16QAM | 75 | 0 | 20.13 | 20.15 | 20.04 | | | | |
| 15 | 256QAM | 1 | 0 | 18.13 | 18.24 | 18.08 | | | 20 | 5 |
| 15 | 256QAM | 1 | 37 | 18.16 | 18.24 | 18.15 | | | | |
| 15 | 256QAM | 1 | 74 | 18.18 | 18.20 | 18.02 | | | | |
| 15 | 256QAM | 36 | 0 | 18.09 | 18.26 | 18.21 | | | 20 | 5 |
| 15 | 256QAM | 36 | 20 | 18.01 | 18.09 | 18.08 | | | | |
| 15 | 256QAM | 36 | 39 | 18.07 | 18.16 | 18.10 | | | | |
| 15 | 256QAM | 75 | 0 | 18.16 | 18.16 | 18.00 | | | | |
| Channel | | | | 44165 | 44590 | 44915 | | | | |
| Frequency (MHz) | | | | 3812.5 | 3900 | 3987.5 | | | | |
| 10 | QPSK | 1 | 0 | 23.30 | 23.40 | 23.31 | | | | |
| 10 | QPSK | 1 | 25 | 23.26 | 23.33 | 23.21 | | | 25 | 0 |
| 10 | QPSK | 1 | 49 | 23.25 | 23.28 | 23.22 | | | | |
| 10 | QPSK | 12 | 0 | 22.15 | 22.26 | 22.22 | | | | |
| 10 | QPSK | 25 | 12 | 22.11 | 22.27 | 22.26 | | | 24 | 1 |
| 10 | QPSK | 25 | 25 | 22.17 | 22.24 | 22.10 | | | | |
| 10 | QPSK | 1 | 0 | 22.22 | 22.22 | 22.08 | | | 24 | 1 |
| 10 | 16QAM | 1 | 0 | 22.15 | 22.22 | 22.08 | | | | |
| 10 | 16QAM | 1 | 25 | 22.06 | 22.16 | 22.06 | | | | |
| 10 | 16QAM | 1 | 49 | 22.08 | 22.18 | 22.12 | | | | |
| 10 | 16QAM | 25 | 0 | 21.16 | 21.30 | 21.12 | | | 23 | 2 |
| 10 | 16QAM | 25 | 12 | 21.12 | 21.21 | 21.14 | | | | |
| 10 | 16QAM | 25 | 25 | 21.17 | 21.23 | 21.15 | | | | |
| 10 | 16QAM | 50 | 0 | 21.18 | 21.25 | 21.07 | | | | |
| 10 | 16QAM | 1 | 0 | 21.04 | 21.11 | 21.00 | | | | |
| 10 | 16QAM | 1 | 25 | 21.08 | 21.14 | 21.03 | | | 23 | 2 |
| 10 | 16QAM | 1 | 49 | 21.02 | 21.11 | 21.02 | | | | |
| 10 | 16QAM | 25 | 0 | 20.15 | 20.28 | 20.13 | | | 22 | 3 |
| 10 | 16QAM | 25 | 12 | 20.02 | 20.19 | 20.11 | | | | |
| 10 | 16QAM | 25 | 25 | 20.12 | 20.23 | 20.07 | | | | |
| 10 | 16QAM | 50 | 0 | 20.03 | 20.17 | 20.05 | | | | |
| 10 | 256QAM | 1 | 0 | 18.03 | 18.12 | 18.08 | | | 20 | 5 |
| 10 | 256QAM | 1 | 25 | 18.09 | 18.26 | 18.06 | | | | |
| 10 | 256QAM | 1 | 49 | 18.14 | 18.19 | 18.06 | | | | |
| 10 | 256QAM | 25 | 0 | 18.14 | 18.25 | 18.05 | | | | |
| 10 | 256QAM | 25 | 12 | 18.00 | 18.11 | 18.05 | | | 20 | 5 |
| 10 | 256QAM | 25 | 25 | 18.16 | 18.14 | 18.01 | | | | |
| 10 | 256QAM | 50 | 0 | 18.14 | 18.12 | 18.07 | | | | |
| Channel | | | | 45115 | 45540 | 45965 | | | | |
| Frequency (MHz) | | | | 3812.5 | 3900 | 3987.5 | | | | |
| 5 | QPSK | 1 | 0 | 23.37 | 23.38 | 23.22 | | | | |
| 5 | QPSK | 1 | 12 | 23.02 | 23.33 | 23.24 | | | 25 | 0 |
| 5 | QPSK | 1 | 24 | 23.27 | 23.30 | 23.15 | | | | |
| 5 | QPSK | 12 | 0 | 22.25 | 22.24 | 22.20 | | | | |
| 5 | QPSK | 12 | 7 | 22.18 | 22.24 | 22.24 | | | 24 | 1 |
| 5 | QPSK | 12 | 13 | 22.18 | 22.28 | 22.12 | | | | |
| 5 | QPSK | 1 | 0 | 22.21 | 22.24 | 22.24 | | | | |
| 5 | 16QAM | 1 | 0 | 22.23 | 22.18 | 22.07 | | | 24 | 1 |
| 5 | 16QAM | 1 | 12 | 22.09 | 22.16 | 22.04 | | | | |
| 5 | 16QAM | 1 | 24 | 22.05 | 22.16 | 22.11 | | | | |
| 5 | 16QAM | 12 | 0 | 21.24 | 21.28 | 21.19 | | | | |
| 5 | 16QAM | 12 | 7 | 21.15 | 21.17 | 21.14 | | | 23 | 2 |
| 5 | 16QAM | 12 | 13 | 21.18 | 21.24 | 21.11 | | | | |
| 5 | 16QAM | 25 | 0 | 21.16 | 21.25 | 21.15 | | | | |
| 5 | 16QAM | 1 | 0 | 21.11 | 21.14 | 21.08 | | | | |
| 5 | 16QAM | 1 | 12 | 21.08 | 21.12 | 21.00 | | | 23 | 2 |
| 5 | 16QAM | 1 | 24 | 21.07 | 21.03 | 21.06 | | | | |
| 5 | 16QAM | 12 | 0 | 20.12 | 20.29 | 20.11 | | | 22 | 3 |
| 5 | 16QAM | 12 | 7 | 20.02 | 20.18 | 20.10 | | | | |
| 5 | 16QAM | 12 | 13 | 20.12 | 20.19 | 20.09 | | | | |
| 5 | 16QAM | 25 | 0 | 20.06 | 20.15 | 20.07 | | | | |
| 5 | 256QAM | 1 | 0 | 18.06 | 18.23 | 18.10 | | | | |
| 5 | 256QAM | 1 | 12 | 18.12 | 18.29 | 18.08 | | | 20 | 5 |
| 5 | 256QAM | 1 | 24 | 18.06 | 18.16 | 18.03 | | | | |
| 5 | 256QAM | 12 | 0 | 18.11 | 18.21 | 18.10 | | | | |
| 5 | 256QAM | 12 | 7 | 18.00 | 18.13 | 18.00 | | | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.12 | 18.17 | 18.02 | | | | |
| 5 | 256QAM | 25 | 0 | 18.08 | 18.14 | 18.01 | | | | |

| Band 48 FCC Main PA Ant1 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|----|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Med Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | 56590 | 56890 | 56190 | | | | |
| Frequency (MHz) | | | | 3967.5 | 3995 | 4042.5 | | | | |
| 20 | QPSK | 1 | 0 | 23.54 | 23.43 | 23.43 | | | 25 | 0 |
| 20 | QPSK | 1 | 49 | 23.40 | 23.49 | 23.42 | | | | |
| 20 | QPSK | 1 | 99 | 23.48 | 23.69 | 23.44 | | | | |
| 20 | QPSK | 50 | 0 | 22.30 | 22.51 | 22.47 | | | | |
| 20 | QPSK | 50 | 24 | 22.38 | 22.42 | 22.34 | | | 24 | 1 |
| 20 | QPSK | 100 | 0 | 22.24 | 22.28 | 22.30 | | | | |
| 20 | QPSK | 100 | 0 | 22.40 | 22.40 | 22.38 | | | | |
| 20 | 16QAM | 1 | 0 | 22.36 | 22.47 | 22.38 | | | 24 | 1 |
| 20 | 16QAM | 1 | 49 | 22.27 | 22.40 | 22.32 | | | | |
| 20 | 16QAM | 1 | 99 | 22.21 | 22.32 | 22.19 | | | | |
| 20 | 16QAM | 50 | 0 | 21.26 | 21.37 | 21.42 | | | 23 | 2 |
| 20 | 16QAM | 50 | 24 | 21.30 | 21.37 | 21.28 | | | | |
| 20 | 16QAM | 50 | 50 | 21.36 | 21.40 | 21.26 | | | | |
| 20 | 16QAM | 100 | 0 | 21.20 | 21.29 | 21.26 | | | | |
| 20 | 16QAM | 100 | 0 | 21.20 | 21.25 | 21.15 | | | | |
| 20 | 16QAM | 1 | 49 | 21.20 | 21.31 | 21.25 | | | 23 | 2 |
| 20 | 16QAM | 1 | 99 | 21.15 | 21.23 | 21.00 | | | | |
| 20 | 16QAM | 50 | 0 | 20.38 | 20.50 | 20.37 | | | | |
| 20 | 16QAM | 50 | 24 | 20.23 | 20.36 | 20.27 | | | 22 | 3 |
| 20 | 16QAM | 50 | 50 | 20.38 | 20.45 | 20.33 | | | | |
| 20 | 16QAM | 100 | 0 | 20.28 | 20.38 | 20.24 | | | | |
| 20 | 256QAM | 1 | 0 | 18.20 | 18.32 | 18.22 | | | 20 | 5 |
| 20 | 256QAM | 1 | 49 | 18.26 | 18.47 | 18.44 | | | | |
| 20 | 256QAM | 1 | 99 | 18.37 | 18.42 | 18.36 | | | | |
| 20 | 256QAM | 50 | 0 | 18.21 | 18.29 | 18.20 | | | | |
| 20 | 256QAM | 50 | 24 | 18.21 | 18.30 | 18.23 | | | 20 | 5 |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.32 | 18.17 | | | | |
| 20 | 256QAM | 100 | 0 | | | | | | | |

| GSM1900 Ant2 Default | | | | | | | | |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 31.00 | 1850.2 | 1880 | 1909.8 | 22.00 |
| GSM 1 Tx slot | 29.89 | 29.95 | 29.93 | 31.00 | 20.89 | 20.95 | 20.93 | 22.00 |
| GPRS 1 Tx slot | 29.92 | 30.01 | 29.95 | 31.00 | 20.92 | 21.01 | 20.95 | 22.00 |
| GPRS 2 Tx slots | 27.08 | 27.11 | 27.03 | 28.00 | 21.08 | 21.11 | 21.03 | 22.00 |
| GPRS 3 Tx slots | 25.21 | 25.34 | 25.26 | 26.20 | 20.95 | 21.08 | 21.00 | 21.94 |
| GPRS 4 Tx slots | 23.92 | 24.02 | 23.90 | 25.00 | 20.82 | 21.02 | 20.90 | 22.00 |
| EDGE 1 Tx slot | 26.15 | 26.26 | 26.18 | 27.00 | 17.15 | 17.26 | 17.18 | 18.00 |
| EDGE 2 Tx slots | 23.36 | 23.44 | 23.35 | 24.00 | 17.36 | 17.44 | 17.35 | 18.00 |
| EDGE 3 Tx slots | 21.53 | 21.56 | 21.50 | 22.20 | 17.27 | 17.30 | 17.24 | 17.94 |
| EDGE 4 Tx slots | 20.54 | 20.68 | 20.60 | 21.00 | 17.54 | 17.68 | 17.60 | 18.00 |

| Band | WCDMA II Ant2 Default | | | | Tune-up Limit (dBm) | WCDMA IV Ant2 Default | | | Tune-up Limit (dBm) |
|------------------------------------|-----------------------|-------|--------|--------|---------------------------|-----------------------|-------|-------|---------------------------|
| | 9262 | 9400 | 9538 | 9662 | | 9800 | 9938 | 1312 | |
| TX Channel | 9262 | 9400 | 9538 | 9662 | 9800 | 9938 | 1312 | 1413 | 1513 |
| Rx Channel | 9662 | 9800 | 9938 | 1312 | 1413 | 1513 | 1537 | 1638 | 1738 |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | | | |
| 3GPP Rel 99 AMR 12.2kbps | 23.47 | 23.56 | 23.53 | 25.00 | 23.43 | 23.55 | 23.49 | 25.00 | 25.00 |
| 3GPP Rel 99 RMC 12.2kbps | 23.50 | 23.61 | 23.56 | 25.00 | 23.50 | 23.57 | 23.52 | 25.00 | 25.00 |
| 3GPP Rel 6 HSDPA Subtest-1 | 22.48 | 22.69 | 22.63 | 24.00 | 22.52 | 22.58 | 22.59 | 24.00 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-2 | 22.54 | 22.53 | 22.56 | 24.00 | 22.57 | 22.60 | 22.55 | 24.00 | 24.00 |
| 3GPP Rel 6 HSDPA Subtest-3 | 22.09 | 22.11 | 22.02 | 23.50 | 22.07 | 22.16 | 22.02 | 23.50 | 23.50 |
| 3GPP Rel 6 HSDPA Subtest-4 | 22.00 | 22.02 | 22.00 | 23.50 | 21.94 | 22.01 | 22.03 | 23.50 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 22.56 | 22.53 | 22.57 | 24.00 | 22.54 | 22.59 | 22.50 | 24.00 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 22.48 | 22.55 | 22.46 | 24.00 | 22.47 | 22.55 | 22.43 | 24.00 | 24.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 21.86 | 22.05 | 21.93 | 23.50 | 21.94 | 22.08 | 21.93 | 23.50 | 23.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 21.90 | 22.02 | 21.96 | 23.50 | 21.82 | 21.96 | 21.93 | 23.50 | 23.50 |
| 3GPP Rel 6 HSUPA Subtest-1 | 22.34 | 22.47 | 22.30 | 24.00 | 22.41 | 22.49 | 22.50 | 24.00 | 24.00 |
| 3GPP Rel 6 HSUPA Subtest-2 | 20.56 | 20.65 | 20.56 | 22.00 | 20.56 | 20.64 | 20.57 | 22.00 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-3 | 21.62 | 21.71 | 21.68 | 23.00 | 21.82 | 21.63 | 21.60 | 23.00 | 23.00 |
| 3GPP Rel 6 HSUPA Subtest-4 | 20.46 | 20.50 | 20.51 | 22.00 | 20.46 | 20.59 | 20.42 | 22.00 | 22.00 |
| 3GPP Rel 6 HSUPA Subtest-5 | 22.39 | 22.60 | 22.42 | 24.00 | 22.40 | 22.59 | 22.45 | 24.00 | 24.00 |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 20.07 | 20.14 | 20.08 | 21.50 | 20.11 | 20.21 | 20.06 | 21.50 | 21.50 |



| Band 2 Main PA Ant2 | | | | | | | | | | |
|---------------------|------------|---------|-----------|-----------------------|------------------------|------------------------|--------------------|----------|----|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./F.Freq. | Power High Ch./F.Freq. | Power High Ch./F.Freq. | Turn-up time (sec) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.54 | 23.60 | 23.67 | | | | |
| 20 | QPSK | 1 | 49 | 23.48 | 23.47 | 23.45 | | | 25 | 0 |
| 20 | QPSK | 1 | 99 | 23.40 | 23.47 | 23.45 | | | | |
| 20 | QPSK | 50 | 0 | 23.64 | 23.70 | 23.75 | | | | |
| 20 | QPSK | 50 | 24 | 23.57 | 23.63 | 23.69 | | | | |
| 20 | QPSK | 50 | 50 | 23.52 | 23.66 | 23.59 | | | 24 | 1 |
| 20 | QPSK | 100 | 0 | 23.62 | 23.75 | 23.71 | | | | |
| 20 | 16QAM | 100 | 0 | 23.31 | 23.31 | 23.31 | | | | |
| 20 | 16QAM | 1 | 49 | 22.87 | 22.73 | 22.81 | | | 24 | 1 |
| 20 | 16QAM | 1 | 99 | 22.80 | 22.89 | 22.82 | | | | |
| 20 | 16QAM | 50 | 0 | 21.90 | 21.79 | 21.82 | | | | |
| 20 | 16QAM | 50 | 24 | 21.87 | 21.72 | 21.87 | | | 23 | 2 |
| 20 | 16QAM | 50 | 50 | 21.87 | 21.74 | 21.81 | | | | |
| 20 | 16QAM | 100 | 0 | 21.85 | 21.75 | 21.81 | | | | |
| 20 | 84QAM | 1 | 0 | 21.81 | 21.84 | 21.84 | | | | |
| 20 | 84QAM | 1 | 49 | 21.78 | 21.88 | 21.78 | | | 23 | 2 |
| 20 | 84QAM | 1 | 99 | 21.81 | 21.89 | 21.83 | | | | |
| 20 | 84QAM | 50 | 0 | 20.75 | 20.79 | 20.75 | | | | |
| 20 | 84QAM | 50 | 24 | 20.96 | 20.70 | 20.61 | | | 22 | 3 |
| 20 | 84QAM | 50 | 50 | 20.99 | 20.99 | 20.95 | | | | |
| 20 | 84QAM | 100 | 0 | 20.59 | 20.59 | 20.55 | | | | |
| 20 | 256QAM | 1 | 49 | 18.58 | 18.72 | 18.58 | | | 20 | 5 |
| 20 | 256QAM | 1 | 99 | 18.58 | 18.80 | 18.70 | | | | |
| 20 | 256QAM | 50 | 0 | 18.58 | 18.80 | 18.82 | | | | |
| 20 | 256QAM | 50 | 24 | 18.58 | 18.68 | 18.54 | | | 20 | 5 |
| 20 | 256QAM | 50 | 50 | 18.50 | 18.60 | 18.45 | | | | |
| 20 | 256QAM | 100 | 0 | 18.50 | 18.50 | 18.37 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.43 | 23.43 | 23.40 | | | | |
| 15 | QPSK | 1 | 37 | 23.36 | 23.42 | 23.30 | | | 25 | 0 |
| 15 | QPSK | 1 | 74 | 23.30 | 23.42 | 23.30 | | | | |
| 15 | QPSK | 36 | 0 | 23.28 | 23.29 | 23.28 | | | | |
| 15 | QPSK | 36 | 39 | 22.48 | 22.48 | 22.48 | | | 24 | 1 |
| 15 | QPSK | 36 | 39 | 22.46 | 22.57 | 22.49 | | | | |
| 15 | 16QAM | 75 | 0 | 22.87 | 22.96 | 22.81 | | | | |
| 15 | 16QAM | 75 | 0 | 22.84 | 22.84 | 22.77 | | | | |
| 15 | 16QAM | 1 | 37 | 22.58 | 22.87 | 22.49 | | | 24 | 1 |
| 15 | 16QAM | 1 | 74 | 22.50 | 22.89 | 22.50 | | | | |
| 15 | 16QAM | 36 | 0 | 21.97 | 21.98 | 21.48 | | | | |
| 15 | 16QAM | 36 | 20 | 21.46 | 21.59 | 21.59 | | | 23 | 2 |
| 15 | 84QAM | 1 | 0 | 21.81 | 21.89 | 21.83 | | | 23 | 2 |
| 15 | 84QAM | 1 | 37 | 21.72 | 21.75 | 21.75 | | | | |
| 15 | 84QAM | 36 | 0 | 20.71 | 20.64 | 20.61 | | | 22 | 3 |
| 15 | 84QAM | 36 | 39 | 20.48 | 20.68 | 20.47 | | | | |
| 15 | 84QAM | 36 | 39 | 20.48 | 20.53 | 20.45 | | | | |
| 15 | 84QAM | 75 | 0 | 20.49 | 20.60 | 20.46 | | | | |
| 15 | 256QAM | 1 | 37 | 18.48 | 18.58 | 18.48 | | | 20 | 5 |
| 15 | 256QAM | 1 | 74 | 18.48 | 18.70 | 18.58 | | | | |
| 15 | 256QAM | 36 | 0 | 18.50 | 18.60 | 18.45 | | | | |
| 15 | 256QAM | 36 | 20 | 18.52 | 18.64 | 18.40 | | | 20 | 5 |
| 15 | 256QAM | 36 | 39 | 18.41 | 18.54 | 18.38 | | | | |
| 15 | 256QAM | 75 | 0 | 18.52 | 18.52 | 18.37 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.41 | 23.41 | 23.38 | | | | |
| 10 | QPSK | 1 | 25 | 23.34 | 23.41 | 23.35 | | | 25 | 0 |
| 10 | QPSK | 1 | 49 | 23.29 | 23.42 | 23.31 | | | | |
| 10 | QPSK | 12 | 0 | 22.56 | 22.56 | 22.56 | | | | |
| 10 | QPSK | 25 | 12 | 22.44 | 22.65 | 22.40 | | | 24 | 1 |
| 10 | QPSK | 25 | 25 | 22.48 | 22.53 | 22.47 | | | | |
| 10 | 16QAM | 75 | 0 | 22.87 | 22.96 | 22.81 | | | | |
| 10 | 16QAM | 1 | 0 | 22.84 | 22.84 | 22.79 | | | | |
| 10 | 16QAM | 1 | 28 | 22.63 | 22.69 | 22.52 | | | 24 | 1 |
| 10 | 16QAM | 1 | 49 | 22.76 | 22.86 | 22.79 | | | | |
| 10 | 16QAM | 25 | 0 | 21.92 | 21.64 | 21.51 | | | | |
| 10 | 16QAM | 25 | 12 | 21.49 | 21.68 | 21.43 | | | 23 | 2 |
| 10 | 16QAM | 25 | 25 | 21.60 | 21.68 | 21.60 | | | | |
| 10 | 16QAM | 50 | 0 | 21.55 | 21.63 | 21.51 | | | | |
| 10 | 84QAM | 1 | 0 | 21.69 | 21.87 | 21.81 | | | 23 | 2 |
| 10 | 84QAM | 1 | 28 | 21.76 | 21.85 | 21.76 | | | | |
| 10 | 84QAM | 1 | 49 | 21.66 | 21.80 | 21.77 | | | | |
| 10 | 84QAM | 25 | 0 | 20.99 | 20.73 | 20.64 | | | 22 | 3 |
| 10 | 84QAM | 25 | 12 | 20.99 | 20.99 | 20.99 | | | | |
| 10 | 84QAM | 25 | 25 | 20.53 | 20.63 | 20.46 | | | | |
| 10 | 84QAM | 50 | 0 | 20.46 | 20.55 | 20.45 | | | | |
| 10 | 256QAM | 1 | 28 | 18.50 | 18.64 | 18.63 | | | 20 | 5 |
| 10 | 256QAM | 1 | 49 | 18.58 | 18.75 | 18.59 | | | | |
| 10 | 256QAM | 12 | 0 | 18.50 | 18.60 | 18.45 | | | | |
| 10 | 256QAM | 25 | 12 | 18.50 | 18.56 | 18.41 | | | 20 | 5 |
| 10 | 256QAM | 25 | 25 | 18.46 | 18.50 | 18.41 | | | | |
| 10 | 256QAM | 50 | 0 | 18.55 | 18.55 | 18.39 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.41 | 23.41 | 23.38 | | | | |
| 5 | QPSK | 1 | 12 | 23.36 | 23.39 | 23.32 | | | 25 | 0 |
| 5 | QPSK | 1 | 24 | 23.32 | 23.35 | 23.32 | | | | |
| 5 | QPSK | 12 | 0 | 22.56 | 22.56 | 22.56 | | | | |
| 5 | QPSK | 12 | 13 | 22.42 | 22.54 | 22.44 | | | 24 | 1 |
| 5 | QPSK | 25 | 0 | 22.48 | 22.68 | 22.47 | | | | |
| 5 | 16QAM | 1 | 0 | 22.83 | 22.89 | 22.84 | | | | |
| 5 | 16QAM | 1 | 12 | 22.99 | 22.64 | 22.56 | | | 24 | 1 |
| 5 | 16QAM | 1 | 24 | 22.89 | 22.77 | 22.84 | | | | |
| 5 | 16QAM | 12 | 0 | 21.54 | 21.63 | 21.68 | | | | |
| 5 | 16QAM | 12 | 7 | 21.46 | 21.60 | 21.45 | | | 23 | 2 |
| 5 | 16QAM | 12 | 13 | 21.57 | 21.68 | 21.60 | | | | |
| 5 | 16QAM | 25 | 0 | 21.53 | 21.64 | 21.62 | | | | |
| 5 | 84QAM | 1 | 0 | 21.66 | 21.74 | 21.75 | | | 23 | 2 |
| 5 | 84QAM | 1 | 12 | 21.71 | 21.79 | 21.79 | | | | |
| 5 | 84QAM | 1 | 24 | 21.74 | 21.82 | 21.80 | | | | |
| 5 | 84QAM | 12 | 0 | 20.61 | 20.74 | 20.69 | | | 22 | 3 |
| 5 | 84QAM | 12 | 7 | 20.51 | 20.62 | 20.48 | | | | |
| 5 | 84QAM | 12 | 13 | 20.63 | 20.54 | 20.43 | | | | |
| 5 | 84QAM | 25 | 0 | 20.96 | 20.97 | 20.41 | | | | |
| 5 | 256QAM | 1 | 0 | 18.51 | 18.59 | 18.39 | | | 20 | 5 |
| 5 | 256QAM | 1 | 12 | 18.50 | 18.59 | 18.48 | | | | |
| 5 | 256QAM | 1 | 24 | 18.59 | 18.73 | 18.55 | | | | |
| 5 | 256QAM | 12 | 0 | 18.54 | 18.70 | 18.64 | | | | |
| 5 | 256QAM | 12 | 7 | 18.54 | 18.53 | 18.48 | | | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.38 | 18.54 | 18.52 | | | | |
| 5 | 256QAM | 25 | 0 | 18.48 | 18.56 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.47 | 23.55 | 23.35 | | | | |
| 3 | QPSK | 1 | 8 | 23.40 | 23.39 | 23.28 | | | 25 | 0 |
| 3 | QPSK | 1 | 14 | 23.34 | 23.37 | 23.33 | | | | |
| 3 | QPSK | 8 | 0 | 22.57 | 22.62 | 22.68 | | | | |
| 3 | QPSK | 8 | 4 | 22.44 | 22.60 | 22.49 | | | 24 | 1 |
| 3 | QPSK | 8 | 7 | 22.37 | 22.59 | 22.53 | | | | |
| 3 | QPSK | 15 | 0 | 22.59 | 22.69 | 22.64 | | | | |
| 3 | 16QAM | 1 | 0 | 22.83 | 22.88 | 22.78 | | | | |
| 3 | 16QAM | 1 | 8 | 22.63 | 22.61 | 22.46 | | | 24 | 1 |
| 3 | 16QAM | 1 | 14 | 22.73 | 22.78 | 22.72 | | | | |
| 3 | 16QAM | 8 | 0 | 21.46 | 21.68 | 21.49 | | | | |
| 3 | 16QAM | 8 | 4 | 21.42 | 21.58 | 21.47 | | | 23 | 2 |
| 3 | 16QAM | 8 | 7 | 21.61 | 21.64 | 21.68 | | | | |
| 3 | 16QAM | 15 | 0 | 21.52 | 21.66 | 21.56 | | | | |
| 3 | 84QAM | 1 | 0 | 21.75 | 21.82 | 21.78 | | | 23 | 2 |
| 3 | 84QAM | 1 | 8 | 21.69 | 21.74 | 21.73 | | | | |
| 3 | 84QAM | 1 | 14 | 21.72 | 21.84 | 21.71 | | | | |
| 3 | 84QAM | 8 | 0 | 20.64 | 20.67 | 20.71 | | | 22 | 3 |
| 3 | 84QAM | 8 | 4 | 20.47 | 20.66 | 20.48 | | | | |
| 3 | 84QAM | 8 | 7 | 20.63 | 20.63 | 20.50 | | | | |
| 3 | 84QAM | 15 | 0 | 20.47 | 20.59 | 20.47 | | | | |
| 3 | 256QAM | 1 | 0 | 18.76 | 18.77 | 18.72 | | | 20 | 5 |
| 3 | 256QAM | 1 | | | | | | | | |



| Band 25 Main PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Turn-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.53 | 23.60 | 23.60 | 25 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.52 | 23.61 | 23.68 | | | | |
| 20 | QPSK | 1 | 99 | 23.45 | 23.51 | 23.46 | | | | |
| 20 | QPSK | 50 | 0 | 22.59 | 22.73 | 22.68 | | | | |
| 20 | QPSK | 50 | 24 | 22.57 | 22.64 | 22.64 | | | | |
| 20 | QPSK | 50 | 50 | 22.84 | 22.70 | 22.84 | 24 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.56 | 22.67 | 22.56 | | | | |
| 20 | 16QAM | 1 | 0 | 22.59 | 22.59 | 22.59 | | | | |
| 20 | 16QAM | 1 | 49 | 22.47 | 22.59 | 22.50 | 24 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.59 | 22.63 | 22.57 | | | | |
| 20 | 16QAM | 50 | 0 | 21.70 | 21.60 | 21.77 | | | | |
| 20 | 16QAM | 50 | 24 | 21.56 | 21.60 | 21.54 | | | | |
| 20 | 16QAM | 50 | 50 | 21.86 | 21.73 | 21.67 | | | | |
| 20 | 16QAM | 100 | 0 | 21.62 | 21.69 | 21.59 | | | | |
| 20 | 64QAM | 1 | 0 | 21.79 | 21.84 | 21.78 | | | | |
| 20 | 64QAM | 1 | 49 | 21.84 | 21.76 | 21.70 | 23 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.84 | 21.90 | 21.80 | | | | |
| 20 | 64QAM | 50 | 0 | 20.55 | 20.60 | 20.57 | | | | |
| 20 | 64QAM | 50 | 24 | 20.57 | 20.56 | 20.58 | | | | |
| 20 | 64QAM | 50 | 50 | 20.51 | 20.51 | 20.57 | 22 | 3 | | |
| 20 | 64QAM | 100 | 0 | 20.56 | 20.58 | 20.58 | | | | |
| 20 | 256QAM | 1 | 0 | 18.75 | 18.66 | 18.71 | | | | |
| 20 | 256QAM | 1 | 49 | 18.96 | 18.73 | 18.59 | 20 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.71 | 18.75 | 18.66 | | | | |
| 20 | 256QAM | 50 | 0 | 18.54 | 18.65 | 18.65 | | | | |
| 20 | 256QAM | 50 | 24 | 18.96 | 18.60 | 18.57 | 20 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.60 | 18.68 | 18.61 | | | | |
| 20 | 256QAM | 100 | 0 | 18.63 | 18.60 | 18.64 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.48 | 23.61 | 23.58 | 25 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.41 | 23.50 | 23.61 | | | | |
| 15 | QPSK | 1 | 74 | 23.35 | 23.46 | 23.39 | | | | |
| 15 | QPSK | 36 | 0 | 22.48 | 22.70 | 22.62 | | | | |
| 15 | QPSK | 36 | 20 | 22.45 | 22.50 | 22.50 | | | | |
| 15 | QPSK | 36 | 39 | 22.59 | 22.62 | 22.67 | 24 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.36 | 22.52 | 22.48 | | | | |
| 15 | 16QAM | 1 | 37 | 22.41 | 22.49 | 22.42 | 24 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.59 | 22.62 | 22.61 | | | | |
| 15 | 16QAM | 36 | 0 | 21.62 | 21.78 | 21.67 | | | | |
| 15 | 16QAM | 36 | 20 | 21.44 | 21.53 | 21.46 | 23 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.57 | 21.59 | 21.57 | | | | |
| 15 | 64QAM | 1 | 0 | 21.54 | 21.58 | 21.54 | | | | |
| 15 | 64QAM | 1 | 37 | 21.71 | 21.73 | 21.73 | 23 | 2 | | |
| 15 | 64QAM | 36 | 0 | 20.44 | 20.55 | 20.46 | | | | |
| 15 | 64QAM | 36 | 20 | 20.49 | 20.49 | 20.49 | | | | |
| 15 | 64QAM | 36 | 39 | 20.47 | 20.51 | 20.59 | 22 | 3 | | |
| 15 | 64QAM | 75 | 0 | 20.43 | 20.61 | 20.43 | | | | |
| 15 | 256QAM | 1 | 0 | 18.64 | 18.73 | 18.67 | | | | |
| 15 | 256QAM | 1 | 37 | 18.54 | 18.65 | 18.45 | 20 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.83 | 18.70 | 18.52 | | | | |
| 15 | 256QAM | 36 | 0 | 18.53 | 18.53 | 18.58 | | | | |
| 15 | 256QAM | 36 | 20 | 18.51 | 18.50 | 18.47 | 20 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.48 | 18.53 | 18.53 | | | | |
| 15 | 256QAM | 75 | 0 | 18.54 | 18.53 | 18.42 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.43 | 23.50 | 23.43 | 25 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.45 | 23.57 | 23.47 | | | | |
| 10 | QPSK | 1 | 49 | 23.37 | 23.45 | 23.38 | | | | |
| 10 | QPSK | 25 | 0 | 22.47 | 22.47 | 22.48 | | | | |
| 10 | QPSK | 25 | 12 | 22.54 | 22.61 | 22.58 | | | | |
| 10 | QPSK | 25 | 25 | 22.50 | 22.66 | 22.63 | 24 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.38 | 22.52 | 22.48 | | | | |
| 10 | 16QAM | 1 | 25 | 22.33 | 22.56 | 22.49 | 24 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.53 | 22.58 | 22.61 | | | | |
| 10 | 16QAM | 25 | 0 | 21.58 | 21.78 | 21.63 | | | | |
| 10 | 16QAM | 25 | 12 | 21.45 | 21.67 | 21.51 | 23 | 2 | | |
| 10 | 16QAM | 25 | 25 | 21.60 | 21.68 | 21.64 | | | | |
| 10 | 16QAM | 50 | 0 | 21.54 | 21.50 | 21.54 | | | | |
| 10 | 64QAM | 1 | 0 | 21.67 | 21.73 | 21.70 | 23 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.50 | 21.68 | 21.63 | | | | |
| 10 | 64QAM | 1 | 49 | 21.81 | 21.83 | 21.72 | | | | |
| 10 | 64QAM | 25 | 0 | 20.47 | 20.59 | 20.46 | | | | |
| 10 | 64QAM | 25 | 12 | 20.45 | 20.45 | 20.48 | | | | |
| 10 | 64QAM | 25 | 25 | 20.55 | 20.60 | 20.61 | 22 | 3 | | |
| 10 | 64QAM | 50 | 0 | 20.41 | 20.63 | 20.46 | | | | |
| 10 | 256QAM | 1 | 0 | 18.65 | 18.73 | 18.58 | | | | |
| 10 | 256QAM | 1 | 25 | 18.63 | 18.64 | 18.61 | 20 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.67 | 18.62 | 18.61 | | | | |
| 10 | 256QAM | 25 | 0 | 18.51 | 18.50 | 18.57 | | | | |
| 10 | 256QAM | 25 | 12 | 18.45 | 18.60 | 18.50 | 20 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.50 | 18.50 | 18.57 | | | | |
| 10 | 256QAM | 50 | 0 | 18.49 | 18.60 | 18.42 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.43 | 23.50 | 23.43 | 25 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.45 | 23.53 | 23.50 | | | | |
| 5 | QPSK | 1 | 24 | 23.33 | 23.39 | 23.41 | | | | |
| 5 | QPSK | 12 | 0 | 22.50 | 22.54 | 22.62 | | | | |
| 5 | QPSK | 12 | 7 | 22.43 | 22.52 | 22.58 | | | | |
| 5 | QPSK | 12 | 13 | 22.57 | 22.64 | 22.61 | 24 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.48 | 22.54 | 22.50 | | | | |
| 5 | 16QAM | 1 | 12 | 22.48 | 22.53 | 22.51 | 24 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.50 | 22.56 | 22.61 | | | | |
| 5 | 16QAM | 12 | 0 | 21.60 | 21.73 | 21.62 | | | | |
| 5 | 16QAM | 12 | 7 | 21.41 | 21.67 | 21.50 | 23 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.54 | 21.62 | 21.52 | | | | |
| 5 | 64QAM | 1 | 0 | 21.47 | 21.54 | 21.49 | 23 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.50 | 21.68 | 21.63 | | | | |
| 5 | 64QAM | 1 | 24 | 21.77 | 21.80 | 21.74 | | | | |
| 5 | 64QAM | 12 | 0 | 20.52 | 20.62 | 20.48 | | | | |
| 5 | 64QAM | 12 | 7 | 20.50 | 20.50 | 20.54 | | | | |
| 5 | 64QAM | 12 | 13 | 20.56 | 20.67 | 20.55 | 22 | 3 | | |
| 5 | 64QAM | 25 | 0 | 20.51 | 20.56 | 20.49 | | | | |
| 5 | 256QAM | 1 | 0 | 18.60 | 18.73 | 18.60 | | | | |
| 5 | 256QAM | 1 | 12 | 18.58 | 18.63 | 18.48 | 20 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.60 | 18.66 | 18.57 | | | | |
| 5 | 256QAM | 12 | 0 | 18.54 | 18.58 | 18.58 | | | | |
| 5 | 256QAM | 12 | 7 | 18.41 | 18.62 | 18.50 | 20 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.50 | 18.60 | 18.50 | | | | |
| 5 | 256QAM | 25 | 0 | 18.55 | 18.50 | 18.50 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.43 | 23.50 | 23.43 | 25 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.38 | 23.51 | 23.40 | | | | |
| 3 | QPSK | 1 | 14 | 23.32 | 23.41 | 23.33 | | | | |
| 3 | QPSK | 8 | 0 | 22.46 | 22.49 | 22.64 | | | | |
| 3 | QPSK | 8 | 4 | 22.52 | 22.59 | 22.86 | | | | |
| 3 | QPSK | 8 | 7 | 22.59 | 22.60 | 22.56 | 24 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.53 | 22.59 | 22.51 | | | | |
| 3 | 16QAM | 1 | 8 | 22.38 | 22.55 | 22.43 | 24 | 1 | | |
| 3 | 16QAM | 1 | 14 | 22.48 | 22.59 | 22.49 | | | | |
| 3 | 16QAM | 8 | 0 | 21.62 | 21.74 | 21.71 | | | | |
| 3 | 16QAM | 8 | 4 | 21.41 | 21.56 | 21.51 | 23 | 2 | | |
| 3 | 16QAM | 8 | 7 | 21.62 | 21.68 | 21.61 | | | | |
| 3 | 64QAM | 1 | 0 | 21.50 | 21.60 | 21.63 | 23 | 2 | | |
| 3 | 64QAM | 1 | 8 | 21.78 | 21.88 | 21.76 | | | | |
| 3 | 64QAM | 8 | 0 | 20.47 | 20.50 | 20.46 | | | | |
| 3 | 64QAM | 8 | 4 | 20.50 | 20.60 | 20.45 | | | | |
| 3 | 64QAM | 8 | 7 | 20.49 | 20.56 | 20.57 | 22 | 3 | | |
| 3 | 256QAM | 1 | 0 | 18.63 | 18.78 | 18.66 | | | | |
| 3 | 256QAM | 1 | 8 | 18.56 | 18.65 | 18.51 | 20 | 5 | | |
| 3 | 256QAM | 1 | 14 | 18.63 | 18.60 | 18.61 | | | | |
| 3 | 256QAM | 8 | 0 | 18.53 | 18.50 | 18.59 | | | | |
| 3 | 256QAM | 8 | 4 | 18.48 | 18.57 | 18.53 | 20 | 5 | | |
| 3 | 256QAM | 8 | 7 | 18.57 | 18.58 | 18.48 | | | | |
| 3 | 256QAM | 15 | 0 | 18.59 | 18.52 | 18.50 | | | | |
| Channel | | | | | | | | | | |



| Band 38 Main PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 25.18 | 25.22 | 25.23 | 25.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 25.08 | 25.18 | 25.09 | 25.5 | 0 | | |
| 20 | QPSK | 50 | 0 | 25.18 | 25.18 | 25.18 | 25.5 | 0 | | |
| 20 | QPSK | 50 | 24 | 24.17 | 24.27 | 24.21 | 24.5 | 1 | | |
| 20 | QPSK | 100 | 0 | 24.13 | 24.23 | 24.17 | 24.5 | 1 | | |
| 20 | 16QAM | 1 | 0 | 23.16 | 23.23 | 23.08 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 49 | 23.09 | 23.14 | 23.00 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 23.02 | 23.17 | 23.09 | 23.5 | 1 | | |
| 20 | 16QAM | 50 | 0 | 23.19 | 23.27 | 23.22 | 23.5 | 2 | | |
| 20 | 16QAM | 50 | 24 | 23.17 | 23.22 | 23.11 | 23.5 | 2 | | |
| 20 | 16QAM | 100 | 0 | 23.26 | 23.31 | 23.27 | 23.5 | 2 | | |
| 20 | 16QAM | 100 | 0 | 22.24 | 22.30 | 22.24 | 22.5 | 2 | | |
| 20 | 16QAM | 1 | 49 | 22.81 | 22.81 | 22.84 | 22.5 | 2 | | |
| 20 | 16QAM | 1 | 99 | 22.71 | 22.85 | 22.78 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 0 | 22.22 | 22.27 | 22.21 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 24 | 22.28 | 22.22 | 22.28 | 22.5 | 2 | | |
| 20 | 16QAM | 100 | 0 | 22.09 | 22.27 | 22.19 | 22.5 | 2 | | |
| 20 | 16QAM | 100 | 0 | 22.16 | 22.32 | 22.19 | 22.5 | 2 | | |
| 20 | 16QAM | 1 | 0 | 20.26 | 20.30 | 20.24 | 20.5 | 5 | | |
| 20 | 16QAM | 1 | 49 | 20.16 | 20.21 | 20.13 | 20.5 | 5 | | |
| 20 | 16QAM | 1 | 99 | 20.18 | 20.24 | 20.12 | 20.5 | 5 | | |
| 20 | 16QAM | 50 | 0 | 20.14 | 20.20 | 20.16 | 20.5 | 5 | | |
| 20 | 16QAM | 50 | 24 | 20.03 | 20.16 | 20.11 | 20.5 | 5 | | |
| 20 | 16QAM | 100 | 0 | 20.08 | 20.20 | 20.11 | 20.5 | 5 | | |
| 20 | 16QAM | 100 | 0 | 20.09 | 20.13 | 20.08 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 25.17 | 25.22 | 25.17 | 25.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 25.05 | 25.11 | 24.85 | 25.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 24.98 | 25.04 | 24.90 | 25.5 | 0 | | |
| 15 | QPSK | 50 | 0 | 24.15 | 24.15 | 24.15 | 24.5 | 1 | | |
| 15 | QPSK | 50 | 24 | 24.04 | 24.20 | 24.11 | 24.5 | 1 | | |
| 15 | QPSK | 100 | 0 | 24.08 | 24.08 | 24.08 | 24.5 | 1 | | |
| 15 | QPSK | 100 | 0 | 24.08 | 24.09 | 24.13 | 24.5 | 1 | | |
| 15 | 16QAM | 1 | 0 | 23.11 | 23.15 | 22.93 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 23.09 | 23.06 | 22.90 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.92 | 22.96 | 22.89 | 23.5 | 1 | | |
| 15 | 16QAM | 50 | 0 | 23.18 | 23.18 | 23.22 | 23.5 | 2 | | |
| 15 | 16QAM | 50 | 24 | 23.15 | 23.17 | 23.14 | 23.5 | 2 | | |
| 15 | 16QAM | 100 | 0 | 23.03 | 23.12 | 23.07 | 23.5 | 2 | | |
| 15 | 16QAM | 100 | 0 | 23.18 | 23.18 | 23.22 | 23.5 | 2 | | |
| 15 | 16QAM | 1 | 0 | 22.14 | 22.15 | 22.06 | 22.5 | 2 | | |
| 15 | 16QAM | 1 | 0 | 22.11 | 22.19 | 22.18 | 22.5 | 2 | | |
| 15 | 16QAM | 1 | 37 | 22.72 | 22.82 | 22.78 | 22.5 | 2 | | |
| 15 | 16QAM | 1 | 74 | 22.89 | 22.78 | 22.90 | 22.5 | 2 | | |
| 15 | 16QAM | 50 | 0 | 22.11 | 22.17 | 22.13 | 22.5 | 3 | | |
| 15 | 16QAM | 50 | 24 | 21.94 | 22.14 | 22.06 | 22.5 | 3 | | |
| 15 | 16QAM | 100 | 0 | 22.13 | 22.13 | 22.18 | 22.5 | 3 | | |
| 15 | 16QAM | 100 | 0 | 21.95 | 22.11 | 22.00 | 22.5 | 3 | | |
| 15 | 16QAM | 1 | 0 | 20.21 | 20.22 | 20.12 | 20.5 | 5 | | |
| 15 | 16QAM | 1 | 37 | 20.09 | 20.12 | 20.00 | 20.5 | 5 | | |
| 15 | 16QAM | 1 | 74 | 20.07 | 20.15 | 20.09 | 20.5 | 5 | | |
| 15 | 16QAM | 50 | 0 | 20.04 | 20.19 | 20.11 | 20.5 | 5 | | |
| 15 | 16QAM | 50 | 24 | 19.92 | 20.08 | 20.05 | 20.5 | 5 | | |
| 15 | 16QAM | 100 | 0 | 19.98 | 20.12 | 20.03 | 20.5 | 5 | | |
| 15 | 16QAM | 100 | 0 | 20.03 | 20.07 | 19.98 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 25.18 | 25.22 | 25.18 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 25.01 | 25.14 | 25.05 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.95 | 25.12 | 25.01 | 25.5 | 0 | | |
| 10 | QPSK | 50 | 0 | 24.15 | 24.22 | 24.18 | 24.5 | 1 | | |
| 10 | QPSK | 50 | 12 | 24.08 | 24.21 | 24.16 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 24.01 | 24.05 | 24.02 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 23.08 | 23.14 | 23.04 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.89 | 23.07 | 22.89 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.92 | 23.08 | 23.04 | 23.5 | 1 | | |
| 10 | 16QAM | 25 | 0 | 23.09 | 23.13 | 23.13 | 23.5 | 1 | | |
| 10 | 16QAM | 25 | 12 | 23.08 | 23.11 | 23.07 | 23.5 | 1 | | |
| 10 | 16QAM | 25 | 24 | 23.15 | 23.20 | 23.16 | 23.5 | 1 | | |
| 10 | 16QAM | 50 | 0 | 23.14 | 23.22 | 23.08 | 23.5 | 2 | | |
| 10 | 16QAM | 50 | 12 | 23.08 | 23.15 | 23.07 | 23.5 | 2 | | |
| 10 | 16QAM | 50 | 24 | 23.15 | 23.20 | 23.16 | 23.5 | 2 | | |
| 10 | 16QAM | 1 | 25 | 22.77 | 22.78 | 22.76 | 22.5 | 2 | | |
| 10 | 16QAM | 1 | 49 | 22.81 | 22.76 | 22.89 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 0 | 22.12 | 22.18 | 22.12 | 22.5 | 3 | | |
| 10 | 16QAM | 25 | 12 | 22.02 | 22.13 | 21.96 | 22.5 | 3 | | |
| 10 | 16QAM | 25 | 24 | 22.11 | 22.17 | 22.05 | 22.5 | 3 | | |
| 10 | 16QAM | 50 | 0 | 22.04 | 22.14 | 22.07 | 22.5 | 3 | | |
| 10 | 16QAM | 50 | 0 | 20.20 | 20.18 | 20.11 | 20.5 | 5 | | |
| 10 | 16QAM | 1 | 25 | 20.11 | 20.13 | 20.01 | 20.5 | 5 | | |
| 10 | 16QAM | 1 | 49 | 20.14 | 20.15 | 20.03 | 20.5 | 5 | | |
| 10 | 16QAM | 25 | 0 | 20.04 | 20.17 | 20.10 | 20.5 | 5 | | |
| 10 | 16QAM | 25 | 12 | 19.91 | 20.04 | 19.97 | 20.5 | 5 | | |
| 10 | 16QAM | 25 | 24 | 20.03 | 20.06 | 20.00 | 20.5 | 5 | | |
| 10 | 16QAM | 50 | 0 | 19.98 | 20.09 | 19.91 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 25.18 | 25.22 | 25.18 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 19 | 24.99 | 25.14 | 24.97 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 24.99 | 25.00 | 25.04 | 25.5 | 0 | | |
| 5 | QPSK | 12 | 0 | 24.19 | 24.26 | 24.14 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 24.04 | 24.19 | 24.11 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 24.07 | 24.08 | 24.09 | 24.5 | 1 | | |
| 5 | QPSK | 25 | 0 | 24.07 | 24.15 | 24.03 | 24.5 | 1 | | |
| 5 | QPSK | 25 | 0 | 23.10 | 23.12 | 23.00 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.80 | 23.09 | 22.88 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.94 | 23.10 | 22.97 | 23.5 | 1 | | |
| 5 | 16QAM | 12 | 0 | 23.12 | 23.17 | 23.12 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 23.03 | 23.18 | 23.06 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 23.15 | 23.20 | 23.00 | 23.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 23.15 | 23.12 | 23.04 | 23.5 | 2 | | |
| 5 | 16QAM | 1 | 0 | 22.70 | 22.78 | 22.73 | 22.5 | 2 | | |
| 5 | 16QAM | 1 | 12 | 22.73 | 22.80 | 22.78 | 22.5 | 2 | | |
| 5 | 16QAM | 1 | 24 | 22.86 | 22.82 | 22.70 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 0 | 22.10 | 22.21 | 22.14 | 22.5 | 3 | | |
| 5 | 16QAM | 12 | 7 | 22.00 | 22.15 | 22.00 | 22.5 | 3 | | |
| 5 | 16QAM | 12 | 13 | 22.18 | 22.18 | 22.06 | 22.5 | 3 | | |
| 5 | 16QAM | 25 | 0 | 20.17 | 20.15 | 20.15 | 20.5 | 5 | | |
| 5 | 16QAM | 1 | 12 | 20.16 | 20.16 | 20.00 | 20.5 | 5 | | |
| 5 | 16QAM | 1 | 24 | 20.10 | 20.11 | 20.09 | 20.5 | 5 | | |
| 5 | 16QAM | 12 | 0 | 19.92 | 20.03 | 19.97 | 20.5 | 5 | | |
| 5 | 16QAM | 12 | 13 | 20.01 | 20.16 | 20.07 | 20.5 | 5 | | |
| 5 | 16QAM | 25 | 0 | 19.98 | 20.05 | 19.95 | 20.5 | 5 | | |

| Band 41 Main PA Ant2 | | | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Power High Mod Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 25.18 | 25.22 | 25.23 | 25.21 | 25.23 | 25.5 | 0 | |
| 20 | QPSK | 1 | 49 | 25.04 | 25.20 | 25.24 | 25.25 | 25.12 | 25.5 | 0 | |
| 20 | QPSK | 50 | 0 | 25.18 | 25.20 | 25.21 | 25.20 | 25.21 | 25.5 | 0 | |
| 20 | QPSK | 50 | 0 | 24.33 | 24.41 | 24.40 | 24.32 | 24.36 | 24.5 | 1 | |
| 20 | QPSK | 50 | 24 | 24.29 | 24.27 | 24.43 | 24.38 | 24.29 | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 24.18 | 24.24 | 24.34 | 24.20 | 24.24 | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 24.19 | 24.25 | 24.31 | 24.24 | 24.19 | 24.5 | 1 | |
| 20 | 16QAM | 1 | 0 | 23.18 | 23.27 | 23.34 | 23.22 | 23.15 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 49 | 23.09 | 23.08 | 23.20 | 23.09 | 23.11 | 23.5 | 1 | |
| 20 | 16QAM | 1 | 99 | 23.14 | 23.13 | 23.33 | 23.25 | 23.15 | 23.5 | 1 | |
| 20 | 16QAM | 50 | 0 | 23.07 | 23.36 | 23.40 | 23.32 | 23.33 | 23.5 | 2 | |
| 20 | 16QAM | 50 | 24 | 23.02 | 23.31 | 23.38 | 23.17 | 23.19 | 23.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 23.29 | 23.36 | 23.38 | 23.34 | 23.28 | 23.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 22.28 | 22.30 | 22.37 | 22.25 | 22.23 | 22.5 | 2 | |
| 20 | 16QAM | 1 | 0 | 22.83 | 22.30 | 23.03 | 23.01 | 22.83 | 22.5 | 2 | |
| 20 | 16QAM | 1 | 49 | 22.84 | 22.87 | 23.08 | 22.90 | 22.82 | 22.5 | 2 | |
| 20 | 16QAM | 1 | 99 | 22.88 | 22.82 | 23.02 | 22.87 | 22.80 | 22.5 | 2 | |
| 20 | 16QAM | 50 | 0 | 22.20 | 22.34 | 22.30 | 22.26 | 22.28 | 22.5 | 2 | |
| 20 | 16QAM | 50 | 24 | 22.09 | 22.25 | 22.28 | 22.20 | 22.15 | 22.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 22.02 | 22.28 | 22.27 | 22.25 | 22.28 | 22.5 | 2 | |
| 20 | 16QAM | 100 | 0 | 22.21 | 22.23 | 22.37 | 22.20 | 22.22 | 22.5 | 2 | |
| 20 | 16QAM | 1 | 0 | 20.27 | 20.23 | 20.36 | 20.21 | 20.22 | 20.5 | 5 | |
| 20 | 16QAM | 1 | 49 | 20.24 | 20.23 | 20.35 | 20.20 | 20.23 | 20.5 | 5 | |
| 20 | 16QAM | 1 | 99 | 20.21 | 20.26 | 20.35 | 20.22 | 20.24 | 20.5 | 5 | |
| 20 | 16QAM | 50 | 0 | 20.07 | 20.22 | 20.2 | | | | | |



| Band 4 Main PA Ant3 | | | | | | | | | | |
|---------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------|----------|------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Time-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.52 | 22.61 | 22.67 | | | | |
| 20 | QPSK | 1 | 49 | 22.52 | 22.61 | 22.67 | | | 24.5 | 0 |
| 20 | QPSK | 1 | 99 | 22.52 | 22.61 | 22.67 | | | | |
| 20 | QPSK | 50 | 0 | 21.50 | 21.55 | 21.51 | | | | |
| 20 | QPSK | 50 | 24 | 21.51 | 21.51 | 21.51 | | | 23.5 | 1 |
| 20 | QPSK | 50 | 50 | 21.53 | 21.51 | 21.50 | | | | |
| 20 | QPSK | 100 | 0 | 21.50 | 21.57 | 21.52 | | | | |
| 20 | QPSK | 100 | 24 | 21.51 | 21.51 | 21.51 | | | 23.5 | 1 |
| 20 | 16QAM | 1 | 49 | 21.53 | 21.55 | 21.59 | | | | |
| 20 | 16QAM | 1 | 99 | 21.54 | 21.51 | 21.53 | | | | |
| 20 | 16QAM | 50 | 0 | 20.74 | 20.75 | 20.75 | | | | |
| 20 | 16QAM | 50 | 24 | 20.69 | 20.73 | 20.67 | | | 22.5 | 2 |
| 20 | 16QAM | 100 | 0 | 20.73 | 20.77 | 20.73 | | | | |
| 20 | 16QAM | 100 | 24 | 20.68 | 20.74 | 20.63 | | | | |
| 20 | 64QAM | 1 | 0 | 20.54 | 20.55 | 20.62 | | | | |
| 20 | 64QAM | 1 | 49 | 20.57 | 20.59 | 20.59 | | | 22.5 | 2 |
| 20 | 64QAM | 50 | 0 | 19.59 | 19.59 | 19.51 | | | | |
| 20 | 64QAM | 50 | 24 | 19.56 | 19.67 | 19.57 | | | | |
| 20 | 64QAM | 100 | 0 | 19.52 | 19.52 | 19.59 | | | 21.5 | 3 |
| 20 | 64QAM | 100 | 24 | 19.53 | 19.58 | 19.52 | | | | |
| 20 | 256QAM | 1 | 49 | 17.55 | 17.59 | 17.64 | | | | |
| 20 | 256QAM | 1 | 99 | 17.55 | 17.51 | 17.52 | | | 19.5 | 5 |
| 20 | 256QAM | 50 | 0 | 17.56 | 17.52 | 17.52 | | | | |
| 20 | 256QAM | 50 | 24 | 17.54 | 17.68 | 17.58 | | | | |
| 20 | 256QAM | 100 | 0 | 17.50 | 17.72 | 17.67 | | | 19.5 | 5 |
| 20 | 256QAM | 100 | 24 | 17.41 | 17.68 | 17.68 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.57 | 22.56 | 22.54 | | | | |
| 15 | QPSK | 1 | 37 | 22.54 | 22.54 | 22.54 | | | 24.5 | 0 |
| 15 | QPSK | 1 | 74 | 22.54 | 22.56 | 22.54 | | | | |
| 15 | QPSK | 36 | 0 | 21.53 | 21.58 | 21.62 | | | | |
| 15 | QPSK | 36 | 25 | 21.58 | 21.51 | 21.64 | | | 23.5 | 1 |
| 15 | QPSK | 36 | 39 | 21.50 | 21.59 | 21.54 | | | | |
| 15 | QPSK | 75 | 0 | 21.52 | 21.59 | 21.56 | | | | |
| 15 | QPSK | 75 | 25 | 21.60 | 21.55 | 21.65 | | | 23.5 | 1 |
| 15 | 16QAM | 1 | 37 | 21.58 | 21.57 | 21.73 | | | | |
| 15 | 16QAM | 1 | 74 | 21.56 | 21.61 | 21.61 | | | | |
| 15 | 16QAM | 36 | 0 | 20.79 | 20.84 | 20.72 | | | | |
| 15 | 16QAM | 36 | 25 | 20.75 | 20.80 | 20.70 | | | 22.5 | 2 |
| 15 | 16QAM | 75 | 0 | 20.82 | 20.88 | 20.82 | | | | |
| 15 | 16QAM | 75 | 25 | 20.84 | 20.84 | 20.79 | | | | |
| 15 | 64QAM | 1 | 0 | 20.58 | 20.68 | 20.60 | | | | |
| 15 | 64QAM | 1 | 37 | 20.59 | 20.62 | 20.61 | | | 22.5 | 2 |
| 15 | 64QAM | 1 | 74 | 20.54 | 20.55 | 20.50 | | | | |
| 15 | 64QAM | 36 | 0 | 19.59 | 19.63 | 19.68 | | | | |
| 15 | 64QAM | 36 | 25 | 19.63 | 19.58 | 19.64 | | | 21.5 | 3 |
| 15 | 64QAM | 36 | 39 | 19.57 | 19.63 | 19.57 | | | | |
| 15 | 64QAM | 75 | 0 | 19.65 | 19.70 | 19.62 | | | | |
| 15 | 64QAM | 75 | 25 | 19.67 | 19.62 | 19.67 | | | 19.5 | 5 |
| 15 | 256QAM | 1 | 37 | 17.50 | 17.57 | 17.51 | | | | |
| 15 | 256QAM | 1 | 74 | 17.64 | 17.53 | 17.52 | | | | |
| 15 | 256QAM | 36 | 0 | 17.76 | 17.61 | 17.61 | | | | |
| 15 | 256QAM | 36 | 25 | 17.62 | 17.72 | 17.65 | | | 19.5 | 5 |
| 15 | 256QAM | 36 | 39 | 17.74 | 17.76 | 17.69 | | | | |
| 15 | 256QAM | 75 | 0 | 17.61 | 17.60 | 17.68 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.43 | 22.43 | 22.43 | | | | |
| 10 | QPSK | 1 | 25 | 22.42 | 22.47 | 22.45 | | | 24 | 0 |
| 10 | QPSK | 1 | 49 | 22.30 | 22.39 | 22.28 | | | | |
| 10 | QPSK | 1 | 74 | 22.34 | 22.45 | 22.29 | | | | |
| 10 | QPSK | 12 | 0 | 21.76 | 21.87 | 21.81 | | | | |
| 10 | QPSK | 12 | 12 | 21.82 | 21.82 | 21.84 | | | 23 | 1 |
| 10 | QPSK | 25 | 0 | 21.66 | 21.73 | 21.63 | | | | |
| 10 | QPSK | 25 | 12 | 21.62 | 21.62 | 21.64 | | | | |
| 10 | 16QAM | 1 | 0 | 21.74 | 21.71 | 21.68 | | | | |
| 10 | 16QAM | 1 | 25 | 21.52 | 21.68 | 21.58 | | | 23 | 1 |
| 10 | 16QAM | 1 | 49 | 21.61 | 21.62 | 21.62 | | | | |
| 10 | 16QAM | 12 | 0 | 20.58 | 20.71 | 20.55 | | | | |
| 10 | 16QAM | 12 | 12 | 20.47 | 20.63 | 20.48 | | | 22 | 2 |
| 10 | 16QAM | 25 | 0 | 20.56 | 20.69 | 20.57 | | | | |
| 10 | 16QAM | 25 | 12 | 20.49 | 20.63 | 20.50 | | | | |
| 10 | 64QAM | 1 | 0 | 20.39 | 20.47 | 20.37 | | | | |
| 10 | 64QAM | 1 | 25 | 20.31 | 20.43 | 20.27 | | | 22 | 2 |
| 10 | 64QAM | 1 | 49 | 20.25 | 20.42 | 20.22 | | | | |
| 10 | 64QAM | 12 | 0 | 19.66 | 19.65 | 19.29 | | | | |
| 10 | 64QAM | 12 | 12 | 19.61 | 19.65 | 19.47 | | | 21 | 3 |
| 10 | 64QAM | 25 | 0 | 19.48 | 19.62 | 19.50 | | | | |
| 10 | 64QAM | 25 | 12 | 19.40 | 19.55 | 19.43 | | | | |
| 10 | 256QAM | 1 | 0 | 17.70 | 17.75 | 17.64 | | | | |
| 10 | 256QAM | 1 | 25 | 17.72 | 17.82 | 17.68 | | | 19 | 5 |
| 10 | 256QAM | 1 | 49 | 17.63 | 17.86 | 17.65 | | | | |
| 10 | 256QAM | 12 | 0 | 17.70 | 17.75 | 17.64 | | | | |
| 10 | 256QAM | 12 | 12 | 17.43 | 17.59 | 17.46 | | | 19 | 5 |
| 10 | 256QAM | 25 | 0 | 17.68 | 17.70 | 17.64 | | | | |
| 10 | 256QAM | 25 | 12 | 17.67 | 17.61 | 17.68 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.43 | 22.43 | 22.43 | | | | |
| 5 | QPSK | 1 | 12 | 22.40 | 22.44 | 22.43 | | | 24 | 0 |
| 5 | QPSK | 1 | 24 | 22.34 | 22.45 | 22.29 | | | | |
| 5 | QPSK | 12 | 0 | 21.76 | 21.87 | 21.81 | | | | |
| 5 | QPSK | 12 | 7 | 21.72 | 21.83 | 21.63 | | | 23 | 1 |
| 5 | QPSK | 12 | 13 | 21.68 | 21.73 | 21.61 | | | | |
| 5 | QPSK | 25 | 0 | 21.74 | 21.83 | 21.73 | | | | |
| 5 | 16QAM | 1 | 0 | 21.84 | 21.77 | 21.64 | | | | |
| 5 | 16QAM | 1 | 12 | 21.48 | 21.66 | 21.62 | | | 23 | 1 |
| 5 | 16QAM | 1 | 24 | 21.43 | 21.60 | 21.58 | | | | |
| 5 | 16QAM | 12 | 0 | 20.45 | 20.76 | 20.48 | | | | |
| 5 | 16QAM | 12 | 7 | 20.45 | 20.61 | 20.51 | | | 22 | 2 |
| 5 | 16QAM | 12 | 13 | 20.63 | 20.71 | 20.65 | | | | |
| 5 | 16QAM | 25 | 0 | 20.48 | 20.58 | 20.51 | | | | |
| 5 | 64QAM | 1 | 0 | 20.32 | 20.41 | 20.41 | | | | |
| 5 | 64QAM | 1 | 12 | 20.33 | 20.44 | 20.27 | | | 22 | 2 |
| 5 | 64QAM | 1 | 24 | 20.31 | 20.39 | 20.28 | | | | |
| 5 | 64QAM | 12 | 0 | 19.68 | 19.74 | 19.57 | | | | |
| 5 | 64QAM | 12 | 7 | 19.48 | 19.60 | 19.54 | | | 21 | 3 |
| 5 | 64QAM | 12 | 13 | 19.56 | 19.63 | 19.63 | | | | |
| 5 | 64QAM | 25 | 0 | 19.44 | 19.61 | 19.46 | | | | |
| 5 | 64QAM | 25 | 7 | 17.74 | 17.78 | 17.75 | | | | |
| 5 | 256QAM | 1 | 0 | 17.75 | 17.75 | 17.63 | | | 19 | 5 |
| 5 | 256QAM | 1 | 24 | 17.56 | 17.72 | 17.70 | | | | |
| 5 | 256QAM | 12 | 0 | 17.69 | 17.66 | 17.62 | | | | |
| 5 | 256QAM | 12 | 7 | 17.49 | 17.57 | 17.54 | | | 19 | 5 |
| 5 | 256QAM | 12 | 13 | 17.65 | 17.73 | 17.69 | | | | |
| 5 | 256QAM | 25 | 0 | 17.63 | 17.70 | 17.63 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 22.54 | 22.57 | 22.51 | | | | |
| 3 | QPSK | 1 | 8 | 22.57 | 22.57 | 22.56 | | | 24.5 | 0 |
| 3 | QPSK | 1 | 14 | 22.54 | 22.54 | 22.55 | | | | |
| 3 | QPSK | 8 | 0 | 21.56 | 21.61 | 21.67 | | | | |
| 3 | QPSK | 8 | 4 | 21.56 | 21.56 | 21.63 | | | 23.5 | 1 |
| 3 | QPSK | 8 | 7 | 21.54 | 21.63 | 21.53 | | | | |
| 3 | QPSK | 15 | 0 | 21.59 | 21.65 | 21.65 | | | | |
| 3 | 16QAM | 1 | 0 | 21.58 | 21.74 | 21.58 | | | | |
| 3 | 16QAM | 1 | 8 | 21.58 | 21.54 | 21.66 | | | 23.5 | 1 |
| 3 | 16QAM | 1 | 14 | 21.57 | 21.68 | 21.63 | | | | |
| 3 | 16QAM | 8 | 0 | 20.81 | 20.94 | 20.70 | | | | |
| 3 | 16QAM | 8 | 4 | 20.77 | 20.78 | 20.78 | | | 22.5 | 2 |
| 3 | 16QAM | 15 | 0 | 20.67 | 20.68 | 20.72 | | | | |
| 3 | 64QAM | 1 | 0 | 20.64 | 20.66 | 20.74 | | | | |
| 3 | 64QAM | 1 | 8 | 20.59 | 20.55 | 20.58 | | | 22.5 | 2 |
| 3 | 64QAM | 1 | 14 | 20.69 | 20.64 | 20.53 | | | </ | |



| Band 38 Main PA Ant3 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.94 | 23.12 | 23.30 | | | |
| 20 | QPSK | 1 | 49 | 22.80 | 23.04 | 23.24 | | 24.5 | 0 |
| 20 | QPSK | 50 | 24 | 22.80 | 23.04 | 23.24 | | | |
| 20 | QPSK | 50 | 24 | 22.28 | 22.19 | 22.18 | | 23.5 | 1 |
| 20 | QPSK | 100 | 0 | 22.07 | 22.17 | 22.07 | | | |
| 20 | 16QAM | 1 | 0 | 22.94 | 23.10 | 23.02 | | 23.5 | 1 |
| 20 | 16QAM | 1 | 49 | 21.95 | 22.04 | 21.99 | | | |
| 20 | 16QAM | 1 | 99 | 21.95 | 22.05 | 21.95 | | | |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.15 | 21.08 | | 22.5 | 2 |
| 20 | 16QAM | 50 | 24 | 20.94 | 21.07 | 20.98 | | | |
| 20 | 16QAM | 50 | 50 | 21.02 | 21.11 | 21.07 | | | |
| 20 | 16QAM | 100 | 0 | 20.99 | 21.05 | 20.94 | | | |
| 20 | 16QAM | 1 | 49 | 20.70 | 20.77 | 20.88 | | 22.5 | 2 |
| 20 | 16QAM | 1 | 99 | 20.61 | 20.73 | 20.88 | | | |
| 20 | 16QAM | 50 | 0 | 20.24 | 20.17 | 20.25 | | | |
| 20 | 16QAM | 50 | 24 | 19.95 | 20.08 | 20.02 | | 21.5 | 3 |
| 20 | 16QAM | 50 | 50 | 20.10 | 20.13 | 20.02 | | | |
| 20 | 16QAM | 100 | 0 | 19.94 | 20.05 | 20.02 | | | |
| 20 | 25QAM | 1 | 0 | 17.84 | 17.87 | 17.83 | | | |
| 20 | 25QAM | 1 | 49 | 17.84 | 17.84 | 17.79 | | 19.5 | 5 |
| 20 | 25QAM | 1 | 99 | 17.79 | 17.89 | 17.76 | | | |
| 20 | 25QAM | 50 | 0 | 17.80 | 17.89 | 17.83 | | | |
| 20 | 25QAM | 50 | 24 | 17.08 | 17.08 | 17.06 | | 19.5 | 5 |
| 20 | 25QAM | 50 | 50 | 18.09 | 18.14 | 18.09 | | | |
| 20 | 25QAM | 100 | 0 | 17.76 | 17.84 | 17.84 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.72 | 22.95 | 23.15 | | | |
| 15 | QPSK | 1 | 37 | 22.82 | 22.80 | 22.86 | | 24.5 | 0 |
| 15 | QPSK | 1 | 74 | 22.86 | 22.85 | 22.77 | | | |
| 15 | QPSK | 36 | 20 | 21.94 | 22.22 | 22.02 | | 23.5 | 1 |
| 15 | QPSK | 36 | 20 | 21.94 | 22.26 | 22.12 | | | |
| 15 | QPSK | 75 | 0 | 22.00 | 22.08 | 21.94 | | | |
| 15 | 16QAM | 1 | 0 | 22.21 | 22.26 | 21.88 | | 23.5 | 1 |
| 15 | 16QAM | 1 | 37 | 21.88 | 21.92 | 21.92 | | | |
| 15 | 16QAM | 1 | 74 | 21.88 | 21.90 | 21.82 | | | |
| 15 | 16QAM | 36 | 0 | 20.95 | 21.08 | 20.94 | | 22.5 | 2 |
| 15 | 16QAM | 36 | 20 | 20.83 | 20.92 | 20.88 | | | |
| 15 | 16QAM | 36 | 20 | 20.71 | 20.75 | 20.81 | | | |
| 15 | 16QAM | 36 | 59 | 20.91 | 21.08 | 20.96 | | 22.5 | 2 |
| 15 | 16QAM | 75 | 0 | 20.83 | 20.92 | 20.88 | | | |
| 15 | 16QAM | 75 | 0 | 20.73 | 20.75 | 20.81 | | 22.5 | 2 |
| 15 | 16QAM | 75 | 37 | 20.58 | 20.68 | 20.80 | | | |
| 15 | 16QAM | 75 | 74 | 20.61 | 20.60 | 20.58 | | | |
| 15 | 16QAM | 36 | 0 | 19.96 | 20.02 | 19.92 | | 21.5 | 3 |
| 15 | 16QAM | 36 | 20 | 19.87 | 20.04 | 19.93 | | | |
| 15 | 16QAM | 36 | 20 | 19.87 | 20.06 | 19.88 | | | |
| 15 | 16QAM | 75 | 0 | 19.94 | 19.94 | 19.90 | | | |
| 15 | 25QAM | 1 | 0 | 17.73 | 17.82 | 17.84 | | 19.5 | 5 |
| 15 | 25QAM | 1 | 37 | 17.80 | 17.81 | 17.85 | | | |
| 15 | 25QAM | 36 | 0 | 18.02 | 18.06 | 17.93 | | 19.5 | 5 |
| 15 | 25QAM | 36 | 20 | 17.90 | 17.99 | 17.92 | | | |
| 15 | 25QAM | 36 | 39 | 18.04 | 18.01 | 18.02 | | | |
| 15 | 25QAM | 75 | 0 | 17.82 | 17.96 | 17.82 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.38 | 22.39 | 22.39 | | | |
| 10 | QPSK | 1 | 25 | 22.27 | 22.96 | 22.82 | | 24.5 | 0 |
| 10 | QPSK | 1 | 49 | 22.82 | 22.81 | 22.74 | | | |
| 10 | QPSK | 25 | 12 | 22.04 | 22.12 | 22.08 | | 23.5 | 1 |
| 10 | QPSK | 25 | 12 | 22.01 | 22.07 | 22.00 | | | |
| 10 | QPSK | 25 | 25 | 22.96 | 22.90 | 22.90 | | | |
| 10 | 16QAM | 1 | 0 | 21.96 | 22.02 | 21.96 | | 23.5 | 1 |
| 10 | 16QAM | 1 | 25 | 21.96 | 21.98 | 21.88 | | | |
| 10 | 16QAM | 1 | 49 | 21.87 | 21.93 | 21.89 | | | |
| 10 | 16QAM | 25 | 0 | 20.95 | 21.08 | 20.96 | | 22.5 | 2 |
| 10 | 16QAM | 25 | 12 | 20.87 | 20.93 | 20.88 | | | |
| 10 | 16QAM | 25 | 12 | 20.88 | 20.95 | 20.90 | | | |
| 10 | 16QAM | 25 | 25 | 20.98 | 20.73 | 20.88 | | 22.5 | 2 |
| 10 | 16QAM | 25 | 0 | 20.89 | 20.95 | 20.90 | | | |
| 10 | 16QAM | 25 | 0 | 20.88 | 20.73 | 20.88 | | | |
| 10 | 16QAM | 25 | 25 | 20.95 | 20.70 | 20.95 | | 22.5 | 2 |
| 10 | 16QAM | 1 | 25 | 20.57 | 20.62 | 20.62 | | | |
| 10 | 16QAM | 25 | 0 | 19.97 | 20.14 | 19.97 | | 21.5 | 3 |
| 10 | 16QAM | 25 | 12 | 19.91 | 20.00 | 19.98 | | | |
| 10 | 16QAM | 25 | 25 | 20.26 | 20.07 | 19.95 | | | |
| 10 | 16QAM | 50 | 0 | 19.81 | 19.91 | 19.92 | | | |
| 10 | 25QAM | 1 | 0 | 17.78 | 17.85 | 17.81 | | 19.5 | 5 |
| 10 | 25QAM | 1 | 25 | 17.72 | 17.82 | 17.73 | | | |
| 10 | 25QAM | 1 | 49 | 17.76 | 17.82 | 17.83 | | | |
| 10 | 25QAM | 25 | 0 | 17.59 | 18.05 | 17.93 | | 19.5 | 5 |
| 10 | 25QAM | 25 | 12 | 17.68 | 18.00 | 17.96 | | | |
| 10 | 25QAM | 25 | 25 | 17.97 | 18.02 | 17.99 | | | |
| 10 | 25QAM | 50 | 0 | 17.88 | 17.87 | 17.82 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.90 | 23.01 | 22.99 | | | |
| 5 | QPSK | 1 | 19 | 22.78 | 22.92 | 22.87 | | 24.5 | 0 |
| 5 | QPSK | 1 | 24 | 22.78 | 22.84 | 22.82 | | | |
| 5 | QPSK | 12 | 13 | 22.02 | 22.14 | 22.09 | | 23.5 | 1 |
| 5 | QPSK | 12 | 13 | 22.00 | 22.02 | 21.96 | | | |
| 5 | QPSK | 25 | 0 | 21.97 | 22.05 | 21.96 | | | |
| 5 | 16QAM | 1 | 0 | 21.93 | 22.04 | 21.89 | | 23.5 | 1 |
| 5 | 16QAM | 1 | 12 | 21.84 | 21.95 | 21.90 | | | |
| 5 | 16QAM | 1 | 24 | 21.84 | 21.86 | 21.80 | | | |
| 5 | 16QAM | 12 | 0 | 21.03 | 21.11 | 20.97 | | 22.5 | 2 |
| 5 | 16QAM | 12 | 7 | 20.87 | 20.99 | 20.94 | | | |
| 5 | 16QAM | 12 | 13 | 20.66 | 20.97 | 20.93 | | | |
| 5 | 16QAM | 25 | 0 | 20.84 | 20.91 | 20.80 | | 22.5 | 2 |
| 5 | 16QAM | 1 | 0 | 20.89 | 20.74 | 20.88 | | | |
| 5 | 16QAM | 1 | 12 | 20.97 | 20.84 | 20.98 | | | |
| 5 | 16QAM | 1 | 24 | 20.94 | 20.70 | 20.95 | | | |
| 5 | 16QAM | 12 | 0 | 19.96 | 20.09 | 19.88 | | 21.5 | 3 |
| 5 | 16QAM | 12 | 7 | 19.81 | 19.95 | 19.88 | | | |
| 5 | 16QAM | 12 | 13 | 20.07 | 20.10 | 19.91 | | | |
| 5 | 16QAM | 25 | 0 | 19.93 | 19.94 | 19.92 | | | |
| 5 | 25QAM | 1 | 0 | 17.80 | 17.88 | 17.79 | | 19.5 | 5 |
| 5 | 25QAM | 1 | 12 | 17.79 | 17.81 | 17.75 | | | |
| 5 | 25QAM | 1 | 24 | 17.74 | 17.82 | 17.83 | | | |
| 5 | 25QAM | 12 | 0 | 18.00 | 18.14 | 17.92 | | 19.5 | 5 |
| 5 | 25QAM | 12 | 7 | 17.94 | 18.02 | 17.86 | | | |
| 5 | 25QAM | 12 | 13 | 17.97 | 18.11 | 18.03 | | | |
| 5 | 25QAM | 25 | 0 | 17.82 | 17.94 | 17.86 | | | |

| Band 41 Main PA Ant3 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.12 | 23.30 | 23.48 | | | |
| 20 | QPSK | 1 | 49 | 23.03 | 23.28 | 23.12 | | 24.5 | 0 |
| 20 | QPSK | 50 | 24 | 23.01 | 23.12 | 23.07 | | | |
| 20 | QPSK | 50 | 0 | 22.30 | 22.20 | 22.41 | | 23.5 | 1 |
| 20 | QPSK | 50 | 24 | 22.63 | 22.15 | 22.30 | | | |
| 20 | QPSK | 100 | 0 | 22.17 | 22.12 | 22.08 | | 23.5 | 1 |
| 20 | QPSK | 100 | 0 | 22.18 | 22.15 | 22.30 | | | |
| 20 | 16QAM | 1 | 0 | 22.21 | 22.17 | 22.17 | | 23.5 | 1 |
| 20 | 16QAM | 1 | 49 | 22.14 | 22.05 | 22.13 | | | |
| 20 | 16QAM | 1 | 99 | 22.92 | 22.08 | 22.14 | | | |
| 20 | 16QAM | 50 | 0 | 21.17 | 21.26 | 21.28 | | 22.5 | 2 |
| 20 | 16QAM | 50 | 24 | 21.07 | 21.09 | 21.18 | | | |
| 20 | 16QAM | 50 | 50 | 21.17 | 21.11 | 21.27 | | 22.5 | 2 |
| 20 | 16QAM | 100 | 0 | 21.08 | 21.09 | 21.05 | | | |
| 20 | 16QAM | 1 | 49 | 20.85 | 20.85 | 20.87 | | 22.5 | 2 |
| 20 | 16QAM | 1 | 99 | 20.71 | 20.78 | 20.83 | | | |
| 20 | 16QAM | 50 | 0 | 20.18 | 20.63 | 20.78 | | 21.5 | 3 |
| 20 | 16QAM | 50 | 24 | 20.08 | 20.08 | 20.21 | | | |
| 20 | 16QAM | 50 | 50 | 20.16 | 20.27 | 20.26 | | | |
| 20 | 16QAM | 100 | 0 | 20.07 | 20.03 | 20.11 | | | |
| 20 | 25QAM | 1 | 0 | 18.86 | 17.84 | 18.09 | | 19.5 | 5 |
| 20 | 25QAM | 1 | 49 | 17.80 | 18.92 | 18.87 | | | |
| 20 | 25QAM | 1 | 99 | 17.89 | 17.82 | 18.02 | | | |
| 20 | 25QAM | 50 | 0 | 18.08 | 18.14 | 18.00 | | 19.5 | 5 |
| 20 | 25QAM | 50 | 24 | 18.11 | 18.06 | 18.20 | | | |
| 20 | 25QAM | 50 | 50 | 18.12 | 18.17 | 18.21 | | | |
| 20 | 25QAM | 100 | 0 | 18.05 | 18.10 | 18.04 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 22.93 | 23.10 | 23.33 | | | |
| 16 | QPSK | 1 | 37 | 22.99 | 22.88 | 23.04 | | 25 | 0 |
| 16 | QPSK | 1 | 74 | 22.94 | 22.89 | 23.01 | | | |
| 16 | QPSK | 36 | 0 | 22.21 | 22.28 | 22.17 | | 23.5 | 1 |
| 16 | QPSK | 36 | 20 | 22.13 | 22.08 | 22.16 | | | |
| 16 | QPSK | 75 | 0 | 22.10 | 22.11 | 22.10 | | 23.5 | 1 |
| 16 | 16QAM | 1 | 0 | 22.20 | 22.11 | 22.07 | | 23.5 | 1 |
| 16 | 16QAM | 1 | 37 | 22.14 | 22.06 | 22.12 | | | |
| 16 | 16QAM | 1 | 74 | 21.87 | 21.94 | 22.00 | | | |
| 16 | 16QAM | 36 | 0 | 21.09 | 21.16 | 21.15 | | 22.5 | 2 |
| 16 | 16QAM | 36 | 20 | 21.02 | 20.98 | 21.04 | | | |
| 16 | 16QAM | 36 | 59 | 21.03 | 21.02 | 21.24 | | 22.5 | 2 |
| 16 | 16QAM | 75 | 0 | 20.93 | 21.00 | 20.98 | | | |
| 16 | 16QAM | 75 | 0 | 20.73 | 20.75 | 20.80 | | 22.5 | 2 |
| 16 | 16QAM | 75 | 37 | 20.81 | 20.74 | 20.73 | | | |
| 16 | 16QAM | 75 | 74 | 20.73 | 20.66 | 20.79 | | 21.5 | 3 |
| 16 | 16QAM | 36 | 0 | 20.68 | 20.65 | | | | |



| Band 2 Main PA Ant4 | | | | | | | | | | |
|---------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------|----------|------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (sec) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 1860 1860 1900 | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.26 | 23.33 | 23.31 | | | 24.5 | 0 |
| 20 | QPSK | 1 | 49 | 23.18 | 23.22 | 23.16 | | | | |
| 20 | QPSK | 1 | 99 | 23.18 | 23.22 | 23.16 | | | | |
| 20 | QPSK | 50 | 0 | 22.36 | 22.42 | 22.36 | | | 23.5 | 1 |
| 20 | QPSK | 50 | 24 | 22.36 | 22.38 | 22.34 | | | | |
| 20 | QPSK | 50 | 50 | 22.16 | 22.31 | 22.23 | | | | |
| 20 | QPSK | 100 | 0 | 22.33 | 22.37 | 22.28 | | | | |
| 20 | 16QAM | 100 | 0 | 22.72 | 22.74 | 22.72 | | | | |
| 20 | 16QAM | 1 | 49 | 22.68 | 22.78 | 22.68 | | | 23.5 | 1 |
| 20 | 16QAM | 1 | 99 | 22.68 | 22.74 | 22.63 | | | | |
| 20 | 16QAM | 50 | 0 | 21.33 | 21.36 | 21.28 | | | | |
| 20 | 16QAM | 50 | 24 | 21.17 | 21.32 | 21.27 | | | 22.5 | 2 |
| 20 | 16QAM | 50 | 50 | 21.29 | 21.38 | 21.25 | | | | |
| 20 | 16QAM | 100 | 0 | 21.26 | 21.30 | 21.22 | | | | |
| 20 | 84QAM | 1 | 0 | 21.39 | 21.52 | 21.41 | | | 22.5 | 2 |
| 20 | 84QAM | 1 | 49 | 21.43 | 21.46 | 21.39 | | | | |
| 20 | 84QAM | 1 | 99 | 21.36 | 21.45 | 21.31 | | | | |
| 20 | 84QAM | 50 | 0 | 20.43 | 20.47 | 20.41 | | | | |
| 20 | 84QAM | 50 | 24 | 20.59 | 20.38 | 20.31 | | | 21.5 | 3 |
| 20 | 84QAM | 50 | 50 | 20.35 | 20.34 | 20.30 | | | | |
| 20 | 256QAM | 100 | 0 | 20.22 | 20.35 | 20.30 | | | | |
| 20 | 256QAM | 1 | 49 | 18.40 | 18.47 | 18.33 | | | 19.5 | 5 |
| 20 | 256QAM | 1 | 99 | 18.34 | 18.42 | 18.33 | | | | |
| 20 | 256QAM | 50 | 0 | 18.31 | 18.35 | 18.24 | | | 19.5 | 5 |
| 20 | 256QAM | 50 | 24 | 18.31 | 18.35 | 18.24 | | | | |
| 20 | 256QAM | 50 | 50 | 18.30 | 18.40 | 18.34 | | | | |
| 20 | 256QAM | 100 | 0 | 18.27 | 18.27 | 18.27 | | | | |
| Channel | | | | | | | | | | |
| 1867.5 1860 1900.5 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.21 | 23.28 | 23.18 | | | 24.5 | 0 |
| 15 | QPSK | 1 | 37 | 23.19 | 23.19 | 23.14 | | | | |
| 15 | QPSK | 1 | 74 | 23.15 | 23.12 | 23.06 | | | | |
| 15 | QPSK | 36 | 0 | 22.30 | 22.32 | 22.31 | | | 23.5 | 1 |
| 15 | QPSK | 36 | 25 | 22.18 | 22.26 | 22.20 | | | | |
| 15 | QPSK | 36 | 39 | 22.11 | 22.22 | 22.19 | | | | |
| 15 | QPSK | 75 | 0 | 22.19 | 22.25 | 22.19 | | | | |
| 15 | 16QAM | 1 | 0 | 22.60 | 22.66 | 22.57 | | | 23.5 | 1 |
| 15 | 16QAM | 1 | 37 | 22.62 | 22.70 | 22.62 | | | | |
| 15 | 16QAM | 1 | 74 | 22.61 | 22.65 | 22.59 | | | | |
| 15 | 16QAM | 36 | 0 | 21.20 | 21.30 | 21.16 | | | 22.5 | 2 |
| 15 | 16QAM | 36 | 20 | 21.13 | 21.20 | 21.12 | | | | |
| 15 | 16QAM | 36 | 39 | 21.09 | 21.25 | 21.07 | | | | |
| 15 | 84QAM | 1 | 0 | 21.19 | 21.25 | 21.07 | | | 22.5 | 2 |
| 15 | 84QAM | 1 | 9 | 21.35 | 21.46 | 21.28 | | | | |
| 15 | 84QAM | 1 | 37 | 21.36 | 21.47 | 21.29 | | | | |
| 15 | 84QAM | 1 | 74 | 21.29 | 21.35 | 21.23 | | | 21.5 | 3 |
| 15 | 84QAM | 36 | 0 | 20.36 | 20.35 | 20.33 | | | | |
| 15 | 84QAM | 36 | 20 | 20.36 | 20.36 | 20.30 | | | | |
| 15 | 84QAM | 36 | 39 | 20.32 | 20.35 | 20.25 | | | | |
| 15 | 84QAM | 75 | 0 | 20.12 | 20.21 | 20.15 | | | 19.5 | 5 |
| 15 | 256QAM | 1 | 0 | 18.30 | 18.32 | 18.23 | | | | |
| 15 | 256QAM | 1 | 37 | 18.27 | 18.41 | 18.30 | | | 19.5 | 5 |
| 15 | 256QAM | 1 | 74 | 18.30 | 18.39 | 18.19 | | | | |
| 15 | 256QAM | 36 | 0 | 18.30 | 18.30 | 18.23 | | | | |
| 15 | 256QAM | 36 | 20 | 18.18 | 18.25 | 18.11 | | | 19.5 | 5 |
| 15 | 256QAM | 36 | 39 | 18.17 | 18.34 | 18.27 | | | | |
| 15 | 256QAM | 75 | 0 | 18.23 | 18.24 | 18.27 | | | | |
| Channel | | | | | | | | | | |
| 1865 1860 1905 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.18 | 23.24 | 23.16 | | | 24.5 | 0 |
| 10 | QPSK | 1 | 25 | 23.14 | 23.14 | 23.15 | | | | |
| 10 | QPSK | 1 | 49 | 23.11 | 23.13 | 23.06 | | | | |
| 10 | QPSK | 12 | 0 | 22.33 | 22.33 | 22.33 | | | 23.5 | 1 |
| 10 | QPSK | 25 | 12 | 22.17 | 22.28 | 22.19 | | | | |
| 10 | QPSK | 25 | 25 | 22.07 | 22.26 | 22.13 | | | | |
| 10 | 16QAM | 1 | 0 | 22.61 | 22.72 | 22.62 | | | 23.5 | 1 |
| 10 | 16QAM | 1 | 26 | 22.61 | 22.73 | 22.56 | | | | |
| 10 | 16QAM | 1 | 49 | 22.60 | 22.66 | 22.59 | | | | |
| 10 | 16QAM | 25 | 0 | 21.27 | 21.29 | 21.19 | | | 22.5 | 2 |
| 10 | 16QAM | 25 | 12 | 21.09 | 21.23 | 21.15 | | | | |
| 10 | 16QAM | 25 | 49 | 21.18 | 21.27 | 21.14 | | | | |
| 10 | 16QAM | 50 | 0 | 21.17 | 21.16 | 21.15 | | | | |
| 10 | 84QAM | 1 | 0 | 21.26 | 21.43 | 21.33 | | | 22.5 | 2 |
| 10 | 84QAM | 1 | 26 | 21.37 | 21.47 | 21.34 | | | | |
| 10 | 84QAM | 1 | 49 | 21.24 | 21.28 | 21.27 | | | | |
| 10 | 84QAM | 25 | 0 | 20.35 | 20.43 | 20.36 | | | 21.5 | 3 |
| 10 | 84QAM | 25 | 12 | 20.36 | 20.36 | 20.29 | | | | |
| 10 | 84QAM | 25 | 26 | 20.28 | 20.39 | 20.29 | | | | |
| 10 | 84QAM | 50 | 0 | 20.09 | 20.22 | 20.23 | | | | |
| 10 | 256QAM | 1 | 0 | 18.34 | 18.44 | 18.27 | | | 19.5 | 5 |
| 10 | 256QAM | 1 | 26 | 18.32 | 18.42 | 18.22 | | | | |
| 10 | 256QAM | 1 | 49 | 18.34 | 18.33 | 18.23 | | | | |
| 10 | 256QAM | 12 | 0 | 18.30 | 18.30 | 18.23 | | | | |
| 10 | 256QAM | 25 | 12 | 18.26 | 18.28 | 18.16 | | | 19.5 | 5 |
| 10 | 256QAM | 25 | 25 | 18.22 | 18.29 | 18.19 | | | | |
| 10 | 256QAM | 50 | 0 | 18.23 | 18.34 | 18.21 | | | | |
| Channel | | | | | | | | | | |
| 1862.5 1860 1917.5 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.18 | 23.24 | 23.16 | | | 24.5 | 0 |
| 5 | QPSK | 1 | 12 | 23.13 | 23.13 | 23.06 | | | | |
| 5 | QPSK | 1 | 24 | 23.04 | 23.13 | 23.02 | | | | |
| 5 | QPSK | 12 | 0 | 22.33 | 22.33 | 22.33 | | | 23.5 | 1 |
| 5 | QPSK | 12 | 7 | 22.21 | 22.26 | 22.19 | | | | |
| 5 | QPSK | 12 | 13 | 22.08 | 22.19 | 22.15 | | | | |
| 5 | QPSK | 25 | 0 | 22.26 | 22.28 | 22.21 | | | | |
| 5 | 16QAM | 1 | 0 | 22.59 | 22.72 | 22.60 | | | 23.5 | 1 |
| 5 | 16QAM | 1 | 12 | 22.64 | 22.69 | 22.54 | | | | |
| 5 | 16QAM | 1 | 24 | 22.61 | 22.71 | 22.60 | | | | |
| 5 | 16QAM | 12 | 0 | 21.20 | 21.28 | 21.18 | | | 22.5 | 2 |
| 5 | 16QAM | 12 | 7 | 21.09 | 21.24 | 21.13 | | | | |
| 5 | 16QAM | 12 | 13 | 21.24 | 21.31 | 21.14 | | | | |
| 5 | 16QAM | 25 | 0 | 21.14 | 21.21 | 21.12 | | | 22.5 | 2 |
| 5 | 84QAM | 1 | 0 | 21.26 | 21.40 | 21.30 | | | | |
| 5 | 84QAM | 1 | 12 | 21.37 | 21.42 | 21.24 | | | | |
| 5 | 84QAM | 1 | 24 | 21.24 | 21.30 | 21.21 | | | 21.5 | 3 |
| 5 | 84QAM | 12 | 0 | 20.29 | 20.39 | 20.35 | | | | |
| 5 | 84QAM | 12 | 7 | 20.17 | 20.24 | 20.18 | | | | |
| 5 | 84QAM | 12 | 13 | 20.25 | 20.31 | 20.33 | | | | |
| 5 | 84QAM | 25 | 0 | 20.14 | 20.21 | 20.17 | | | | |
| 5 | 256QAM | 1 | 0 | 18.37 | 18.41 | 18.31 | | | 19.5 | 5 |
| 5 | 256QAM | 1 | 12 | 18.32 | 18.39 | 18.19 | | | | |
| 5 | 256QAM | 1 | 24 | 18.27 | 18.28 | 18.23 | | | | |
| 5 | 256QAM | 12 | 0 | 18.26 | 18.31 | 18.26 | | | | |
| 5 | 256QAM | 12 | 7 | 18.19 | 18.28 | 18.11 | | | 19.5 | 5 |
| 5 | 256QAM | 12 | 13 | 18.26 | 18.31 | 18.22 | | | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.28 | 18.21 | | | | |
| Channel | | | | | | | | | | |
| 1861.5 1860 1918.5 | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.13 | 23.13 | 23.15 | | | 24.5 | 0 |
| 3 | QPSK | 1 | 8 | 23.13 | 23.23 | 23.07 | | | | |
| 3 | QPSK | 1 | 14 | 23.13 | 23.14 | 23.12 | | | | |
| 3 | QPSK | 8 | 0 | 22.31 | 22.33 | 22.28 | | | 23.5 | 1 |
| 3 | QPSK | 8 | 4 | 22.23 | 22.31 | 22.14 | | | | |
| 3 | QPSK | 8 | 7 | 22.10 | 22.19 | 22.20 | | | | |
| 3 | QPSK | 15 | 0 | 22.22 | 22.27 | 22.18 | | | | |
| 3 | 16QAM | 1 | 0 | 22.64 | 22.77 | 22.60 | | | 23.5 | 1 |
| 3 | 16QAM | 1 | 8 | 22.65 | 22.67 | 22.59 | | | | |
| 3 | 16QAM | 1 | 14 | 22.60 | 22.67 | 22.61 | | | | |
| 3 | 16QAM | 8 | 0 | 21.21 | 21.34 | 21.17 | | | 22.5 | 2 |
| 3 | 16QAM | 8 | 4 | 21.08 | 21.19 | 21.21 | | | | |
| 3 | 16QAM | 8 | 7 | 21.15 | 21.24 | 21.12 | | | | |
| 3 | 16QAM | 15 | 0 | 21.20 | 21.21 | 21.13 | | | 22.5 | 2 |
| 3 | 84QAM | 1 | 0 | 21.29 | 21.49 | 21.38 | | | | |
| 3 | 84QAM | 1 | 8 | 21.28 | 21.39 | 21.30 | | | | |



| Band 25 Main PA Ant4 | | | | | | | | | | |
|----------------------|-----------------|---------|-----------|---------------------|------------------------|----------------------|--------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Turn-up (dB) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1860 | 1868 | 1905 | | | | |
| 20 | QPSK | 1 | 0 | 20.31 | 20.42 | 20.27 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 21.29 | 21.34 | 21.24 | | | | |
| 20 | QPSK | 1 | 99 | 22.16 | 22.29 | 22.21 | | | | |
| 20 | QPSK | 50 | 0 | 22.24 | 22.32 | 22.26 | | | | |
| 20 | QPSK | 50 | 24 | 22.22 | 22.32 | 22.21 | | | | |
| 20 | QPSK | 50 | 50 | 22.16 | 22.24 | 22.12 | 23.5 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.16 | 22.24 | 22.20 | | | | |
| 20 | QPSK | 100 | 24 | 22.05 | 22.16 | 22.08 | | | | |
| 20 | 16QAM | 1 | 49 | 22.45 | 22.59 | 22.47 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.52 | 22.65 | 22.43 | | | | |
| 20 | 16QAM | 50 | 0 | 21.31 | 21.38 | 21.28 | | | | |
| 20 | 16QAM | 50 | 24 | 21.19 | 21.28 | 21.15 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 50 | 21.18 | 21.32 | 21.22 | | | | |
| 20 | 16QAM | 100 | 0 | 21.18 | 21.30 | 21.19 | | | | |
| 20 | 64QAM | 1 | 0 | 21.44 | 21.51 | 21.47 | | | | |
| 20 | 64QAM | 1 | 49 | 21.31 | 21.45 | 21.39 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.27 | 21.41 | 21.28 | | | | |
| 20 | 64QAM | 50 | 0 | 20.31 | 20.42 | 20.32 | | | | |
| 20 | 64QAM | 50 | 24 | 20.19 | 20.33 | 20.22 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 50 | 20.38 | 20.38 | 20.25 | | | | |
| 20 | 64QAM | 100 | 0 | 20.27 | 20.30 | 20.26 | | | | |
| 20 | 256QAM | 1 | 49 | 18.45 | 18.45 | 18.38 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.38 | 18.42 | 18.32 | | | | |
| 20 | 256QAM | 50 | 0 | 18.28 | 18.41 | 18.28 | | | | |
| 20 | 256QAM | 50 | 24 | 18.27 | 18.31 | 18.18 | 18.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.37 | 18.33 | | | | |
| 20 | 256QAM | 100 | 0 | 18.23 | 18.38 | 18.33 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1875 | 1880 | 1907.5 | Turn-up (dB) | MPR (dB) | | |
| 15 | QPSK | 1 | 0 | 23.20 | 23.36 | 23.13 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.20 | 23.30 | 23.09 | | | | |
| 15 | QPSK | 1 | 74 | 23.07 | 23.16 | 23.17 | | | | |
| 15 | QPSK | 36 | 0 | 22.13 | 22.26 | 22.07 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.15 | 22.11 | 22.07 | | | | |
| 15 | QPSK | 36 | 39 | 22.12 | 22.09 | 22.06 | | | | |
| 15 | QPSK | 75 | 0 | 22.09 | 22.16 | 22.11 | | | | |
| 15 | 16QAM | 1 | 49 | 22.45 | 22.54 | 22.49 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.38 | 22.55 | 22.33 | | | | |
| 15 | 16QAM | 36 | 0 | 21.43 | 21.44 | 21.43 | | | | |
| 15 | 16QAM | 36 | 20 | 21.18 | 21.22 | 21.23 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.13 | 21.18 | 21.08 | | | | |
| 15 | 64QAM | 1 | 0 | 21.35 | 21.46 | 21.37 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.17 | 21.30 | 21.19 | | | | |
| 15 | 64QAM | 36 | 0 | 20.20 | 20.36 | 20.17 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.33 | 20.28 | 20.17 | | | | |
| 15 | 64QAM | 36 | 39 | 20.22 | 20.25 | 20.19 | | | | |
| 15 | 64QAM | 75 | 0 | 20.22 | 20.23 | 20.16 | | | | |
| 15 | 256QAM | 1 | 49 | 18.34 | 18.46 | 18.28 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.32 | 18.29 | | | | |
| 15 | 256QAM | 1 | 74 | 18.29 | 18.36 | 18.22 | | | | |
| 15 | 256QAM | 36 | 0 | 18.18 | 18.38 | 18.22 | | | | |
| 15 | 256QAM | 36 | 20 | 18.13 | 18.25 | 18.11 | 18.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.15 | 18.32 | 18.28 | | | | |
| 15 | 256QAM | 75 | 0 | 18.13 | 18.38 | 18.28 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1898 | 1910 | Turn-up (dB) | MPR (dB) | | |
| 10 | QPSK | 1 | 0 | 23.27 | 23.38 | 23.20 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.17 | 23.24 | 23.20 | | | | |
| 10 | QPSK | 1 | 49 | 23.10 | 23.18 | 23.09 | | | | |
| 10 | QPSK | 25 | 0 | 22.20 | 22.21 | 22.11 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 14 | 22.16 | 22.19 | 22.07 | | | | |
| 10 | QPSK | 25 | 25 | 22.04 | 22.11 | 22.01 | | | | |
| 10 | 16QAM | 1 | 0 | 22.42 | 22.50 | 22.47 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.34 | 22.50 | 22.42 | | | | |
| 10 | 16QAM | 25 | 0 | 21.22 | 21.30 | 21.19 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 14 | 21.14 | 21.17 | 21.08 | | | | |
| 10 | 16QAM | 25 | 25 | 21.05 | 21.16 | 21.15 | | | | |
| 10 | 64QAM | 1 | 0 | 21.32 | 21.36 | 21.44 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.26 | 21.35 | 21.28 | | | | |
| 10 | 64QAM | 1 | 49 | 21.17 | 21.34 | 21.18 | | | | |
| 10 | 64QAM | 25 | 0 | 20.24 | 20.30 | 20.29 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 14 | 20.25 | 20.28 | 20.18 | | | | |
| 10 | 64QAM | 25 | 25 | 20.23 | 20.33 | 20.20 | | | | |
| 10 | 64QAM | 50 | 0 | 20.20 | 20.22 | 20.20 | | | | |
| 10 | 256QAM | 1 | 49 | 18.40 | 18.43 | 18.33 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.38 | 18.39 | 18.33 | | | | |
| 10 | 256QAM | 1 | 49 | 18.30 | 18.38 | 18.27 | | | | |
| 10 | 256QAM | 25 | 0 | 18.20 | 18.30 | 18.22 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 14 | 18.20 | 18.20 | 18.12 | | | | |
| 10 | 256QAM | 25 | 25 | 18.11 | 18.25 | 18.20 | | | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.20 | 18.24 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1892.5 | 1898 | 1912.5 | Turn-up (dB) | MPR (dB) | | |
| 5 | QPSK | 1 | 0 | 23.24 | 23.33 | 23.15 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.18 | 23.30 | 23.15 | | | | |
| 5 | QPSK | 1 | 24 | 23.02 | 23.15 | 23.14 | | | | |
| 5 | QPSK | 12 | 0 | 22.13 | 22.26 | 22.18 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.09 | 22.21 | 22.16 | | | | |
| 5 | QPSK | 12 | 13 | 22.08 | 22.14 | 22.09 | | | | |
| 5 | 16QAM | 1 | 0 | 22.47 | 22.51 | 22.45 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.43 | 22.44 | 22.43 | | | | |
| 5 | 16QAM | 12 | 0 | 21.37 | 21.45 | 21.37 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.27 | 21.33 | 21.24 | | | | |
| 5 | 16QAM | 12 | 13 | 21.09 | 21.22 | 21.08 | | | | |
| 5 | 64QAM | 1 | 0 | 21.39 | 21.43 | 21.32 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.20 | 21.33 | 21.27 | | | | |
| 5 | 64QAM | 1 | 24 | 21.18 | 21.28 | 21.17 | | | | |
| 5 | 64QAM | 12 | 0 | 20.17 | 20.31 | 20.20 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.08 | 20.20 | 20.13 | | | | |
| 5 | 64QAM | 12 | 13 | 20.20 | 20.30 | 20.20 | | | | |
| 5 | 64QAM | 25 | 0 | 20.19 | 20.16 | 20.21 | | | | |
| 5 | 256QAM | 1 | 12 | 18.31 | 18.38 | 18.33 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.35 | 18.37 | 18.27 | | | | |
| 5 | 256QAM | 1 | 12 | 18.28 | 18.20 | 18.16 | | | | |
| 5 | 256QAM | 12 | 0 | 18.18 | 18.30 | 18.25 | | | | |
| 5 | 256QAM | 12 | 7 | 18.23 | 18.20 | 18.07 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.12 | 18.32 | 18.21 | | | | |
| 5 | 256QAM | 25 | 0 | 18.14 | 18.30 | 18.25 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1896.5 | 1898 | 1906.5 | Turn-up (dB) | MPR (dB) | | |
| 3 | QPSK | 1 | 0 | 23.24 | 23.38 | 23.15 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.18 | 23.24 | 23.16 | | | | |
| 3 | QPSK | 1 | 14 | 23.03 | 23.22 | 23.08 | | | | |
| 3 | QPSK | 3 | 0 | 22.16 | 22.21 | 22.11 | 23.5 | 1 | | |
| 3 | QPSK | 3 | 4 | 22.12 | 22.18 | 22.13 | | | | |
| 3 | QPSK | 3 | 7 | 22.05 | 22.14 | 22.08 | | | | |
| 3 | 16QAM | 1 | 0 | 22.02 | 22.14 | 22.14 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.50 | 22.60 | 22.42 | | | | |
| 3 | 16QAM | 1 | 15 | 22.44 | 22.46 | 22.30 | | | | |
| 3 | 16QAM | 3 | 0 | 21.20 | 21.23 | 21.22 | 22.5 | 2 | | |
| 3 | 16QAM | 3 | 4 | 21.11 | 21.26 | 21.11 | | | | |
| 3 | 16QAM | 3 | 8 | 21.06 | 21.20 | 21.09 | | | | |
| 3 | 64QAM | 1 | 0 | 21.39 | 21.44 | 21.39 | 22.5 | 2 | | |
| 3 | 64QAM | 1 | 8 | 21.27 | 21.30 | 21.30 | | | | |
| 3 | 64QAM | 1 | 14 | 21.13 | 21.38 | 21.16 | | | | |
| 3 | 64QAM | 3 | 0 | 20.20 | 20.30 | 20.19 | 21.5 | 3 | | |
| 3 | 64QAM | 3 | 4 | 20.16 | 20.23 | 20.16 | | | | |
| 3 | 64QAM | 3 | 7 | 20.18 | 20.29 | 20.20 | | | | |
| 3 | 256QAM | 1 | 0 | 18.38 | 18.48 | 18.34 | 19.5 | 5 | | |
| 3 | 256QAM | 1 | 8 | 18.34 | 18.43 | 18.27 | | | | |
| 3 | 256QAM | 3 | 0 | 18.35 | 18.38</ | | | | | |



Band 38 Main PA Ant4 DSI3

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid-Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | | | |
|-----------------|------------|---------|-----------|---------------------|-------------------------|----------------------|---------------------|----------|------|-----|------|-----|
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.69 | 23.72 | 23.82 | 24.2 | 0 | | | | |
| 20 | QPSK | 1 | 49 | 23.59 | 23.69 | 23.59 | | | | | | |
| 20 | QPSK | 50 | 24 | 23.70 | 23.70 | 23.80 | | | | | | |
| 20 | QPSK | 50 | 24 | 23.63 | 23.70 | 23.80 | | | | | | |
| 20 | QPSK | 100 | 0 | 23.70 | 23.71 | 23.80 | | | | | | |
| 20 | IQAM | 1 | 0 | 23.73 | 23.79 | 23.58 | | | 24.2 | 0 | | |
| 20 | IQAM | 1 | 49 | 23.61 | 23.76 | 23.80 | | | | | | |
| 20 | IQAM | 1 | 99 | 23.58 | 23.68 | 23.58 | | | | | | |
| 20 | IQAM | 50 | 24 | 23.21 | 23.28 | 23.20 | | | | | | |
| 20 | IQAM | 50 | 24 | 23.27 | 23.30 | 23.24 | | | | | | |
| 20 | IQAM | 100 | 0 | 23.20 | 23.24 | 23.29 | | | | | | |
| 20 | IQAM | 100 | 0 | 23.19 | 23.23 | 23.18 | | | | | | |
| 20 | IQAM | 1 | 0 | 23.15 | 23.31 | 23.15 | | | | | | |
| 20 | IQAM | 1 | 49 | 23.08 | 23.19 | 23.13 | 23.7 | 0.5 | | | | |
| 20 | IQAM | 1 | 99 | 23.06 | 23.17 | 23.06 | | | | | | |
| 20 | IQAM | 50 | 24 | 22.23 | 22.28 | 22.15 | | | | | | |
| 20 | IQAM | 50 | 24 | 22.18 | 22.25 | 22.12 | | | | | | |
| 20 | IQAM | 100 | 0 | 22.21 | 22.22 | 22.19 | | | | | | |
| 20 | IQAM | 100 | 0 | 22.13 | 22.17 | 22.13 | | | | | | |
| 20 | SSBAM | 1 | 0 | 20.23 | 20.28 | 20.19 | | | 20.7 | 3.5 | | |
| 20 | SSBAM | 1 | 49 | 20.19 | 20.19 | 20.09 | | | | | | |
| 20 | SSBAM | 1 | 99 | 20.00 | 20.07 | 19.95 | | | | | | |
| 20 | SSBAM | 50 | 24 | 20.09 | 20.12 | 20.00 | | | | | | |
| 20 | SSBAM | 50 | 24 | 20.00 | 20.10 | 20.04 | | | | | | |
| 20 | SSBAM | 100 | 0 | 20.14 | 20.18 | 20.08 | | | | | | |
| 20 | SSBAM | 100 | 0 | 20.05 | 20.17 | 20.00 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.72 | 23.79 | 23.72 | 24.2 | 0 | | | | |
| 15 | QPSK | 1 | 37 | 23.66 | 23.77 | 23.82 | | | | | | |
| 15 | QPSK | 1 | 74 | 23.56 | 23.68 | 23.47 | | | | | | |
| 15 | QPSK | 36 | 20 | 23.59 | 23.76 | 23.65 | | | | | | |
| 15 | QPSK | 36 | 20 | 23.75 | 23.73 | 23.58 | | | | | | |
| 15 | IQAM | 1 | 0 | 23.73 | 23.73 | 23.58 | | | 24.2 | 0 | | |
| 15 | IQAM | 1 | 37 | 23.61 | 23.71 | 23.54 | | | | | | |
| 15 | IQAM | 36 | 0 | 23.07 | 23.22 | 23.06 | | | | | 23.7 | 0.5 |
| 15 | IQAM | 36 | 20 | 23.10 | 23.15 | 23.13 | | | | | | |
| 15 | IQAM | 36 | 59 | 23.10 | 23.21 | 23.18 | | | | | | |
| 15 | IQAM | 75 | 0 | 23.07 | 23.15 | 23.11 | | | | | | |
| 15 | IQAM | 75 | 0 | 23.04 | 23.18 | 23.10 | | | | | | |
| 15 | IQAM | 1 | 37 | 23.03 | 23.11 | 23.07 | 23.7 | 0.5 | | | | |
| 15 | IQAM | 74 | 22.92 | 23.04 | 22.93 | | | | | | | |
| 15 | IQAM | 36 | 0 | 22.10 | 22.23 | 22.11 | | | | | | |
| 15 | IQAM | 36 | 20 | 22.08 | 22.10 | 22.03 | | | | | | |
| 15 | IQAM | 75 | 0 | 22.15 | 22.14 | 22.14 | | | | | | |
| 15 | IQAM | 75 | 0 | 22.05 | 22.10 | 22.04 | | | | | | |
| 15 | SSBAM | 1 | 0 | 20.14 | 20.14 | 20.08 | | | 20.7 | 3.5 | | |
| 15 | SSBAM | 1 | 37 | 19.98 | 19.93 | 19.90 | | | | | | |
| 15 | SSBAM | 1 | 74 | 19.96 | 19.96 | 19.92 | | | | | | |
| 15 | SSBAM | 36 | 0 | 19.99 | 20.02 | 19.97 | | | | | | |
| 15 | SSBAM | 36 | 20 | 19.99 | 20.02 | 19.97 | | | | | | |
| 15 | SSBAM | 36 | 59 | 20.01 | 20.05 | 19.99 | | | | | | |
| 15 | SSBAM | 75 | 0 | 19.99 | 20.03 | 19.98 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.70 | 23.76 | 23.82 | 24.2 | 0 | | | | |
| 10 | QPSK | 1 | 25 | 23.67 | 23.69 | 23.82 | | | | | | |
| 10 | QPSK | 1 | 49 | 23.51 | 23.66 | 23.54 | | | | | | |
| 10 | QPSK | 25 | 12 | 23.74 | 23.76 | 23.86 | | | | | | |
| 10 | QPSK | 25 | 12 | 23.67 | 23.77 | 23.83 | | | | | | |
| 10 | QPSK | 25 | 25 | 23.64 | 23.81 | 23.49 | | | | | | |
| 10 | IQAM | 1 | 0 | 23.71 | 23.80 | 23.68 | | | 24.2 | 0 | | |
| 10 | IQAM | 1 | 0 | 23.66 | 23.80 | 23.87 | | | | | | |
| 10 | IQAM | 1 | 25 | 23.66 | 23.72 | 23.56 | | | | | | |
| 10 | IQAM | 1 | 49 | 23.50 | 23.69 | 23.54 | | | | | | |
| 10 | IQAM | 25 | 0 | 23.19 | 23.21 | 23.10 | | | | | | |
| 10 | IQAM | 25 | 0 | 23.16 | 23.21 | 23.10 | | | | | | |
| 10 | IQAM | 25 | 19 | 23.21 | 23.15 | 23.18 | | | | | | |
| 10 | IQAM | 25 | 26 | 23.15 | 23.22 | 23.17 | | | | | | |
| 10 | IQAM | 1 | 0 | 23.10 | 23.12 | 23.06 | 23.7 | 0.5 | | | | |
| 10 | IQAM | 1 | 0 | 23.10 | 23.12 | 23.06 | | | | | | |
| 10 | IQAM | 1 | 25 | 23.01 | 23.12 | 22.99 | | | | | | |
| 10 | IQAM | 1 | 49 | 22.92 | 23.06 | 22.92 | | | | | | |
| 10 | IQAM | 25 | 0 | 22.18 | 22.24 | 22.05 | | | | | | |
| 10 | IQAM | 25 | 12 | 22.06 | 22.15 | 22.04 | | | | | | |
| 10 | IQAM | 25 | 25 | 22.10 | 22.20 | 22.14 | | | | | | |
| 10 | IQAM | 50 | 0 | 22.02 | 22.03 | 22.06 | | | | | | |
| 10 | SSBAM | 1 | 0 | 20.11 | 20.11 | 20.06 | | | 20.7 | 3.5 | | |
| 10 | SSBAM | 1 | 25 | 19.98 | 20.02 | 19.95 | | | | | | |
| 10 | SSBAM | 1 | 49 | 19.90 | 19.92 | 19.91 | | | | | | |
| 10 | SSBAM | 25 | 0 | 19.95 | 19.99 | 19.98 | | | | | | |
| 10 | SSBAM | 25 | 12 | 19.99 | 20.00 | 20.00 | | | | | | |
| 10 | SSBAM | 25 | 25 | 20.00 | 20.14 | 20.03 | | | | | | |
| 10 | SSBAM | 50 | 0 | 19.93 | 20.13 | 19.97 | | | | | | |
| Channel | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.66 | 23.74 | 23.85 | 24.2 | 0 | | | | |
| 5 | QPSK | 1 | 19 | 23.62 | 23.69 | 23.57 | | | | | | |
| 5 | QPSK | 1 | 24 | 23.53 | 23.68 | 23.50 | | | | | | |
| 5 | QPSK | 12 | 0 | 23.74 | 23.74 | 23.86 | | | | | | |
| 5 | QPSK | 12 | 19 | 23.51 | 23.64 | 23.56 | | | | | | |
| 5 | QPSK | 25 | 0 | 23.70 | 23.76 | 23.86 | | | | | | |
| 5 | IQAM | 1 | 0 | 23.74 | 23.78 | 23.59 | | | 24.2 | 0 | | |
| 5 | IQAM | 1 | 12 | 23.64 | 23.68 | 23.58 | | | | | | |
| 5 | IQAM | 1 | 24 | 23.61 | 23.66 | 23.47 | | | | | | |
| 5 | IQAM | 12 | 0 | 23.18 | 23.18 | 23.11 | | | | | | |
| 5 | IQAM | 12 | 7 | 23.12 | 23.22 | 23.15 | | | | | | |
| 5 | IQAM | 12 | 13 | 23.09 | 23.28 | 23.09 | | | | | | |
| 5 | IQAM | 25 | 0 | 23.07 | 23.17 | 23.09 | | | | | | |
| 5 | IQAM | 1 | 0 | 23.07 | 23.20 | 23.12 | | | | | | |
| 5 | IQAM | 1 | 12 | 22.96 | 23.13 | 23.03 | | | | | | |
| 5 | IQAM | 1 | 24 | 22.99 | 23.02 | 22.91 | 23.7 | 0.5 | | | | |
| 5 | IQAM | 12 | 0 | 22.17 | 22.15 | 22.02 | | | | | | |
| 5 | IQAM | 12 | 7 | 22.06 | 22.13 | 22.02 | | | | | | |
| 5 | IQAM | 12 | 13 | 22.13 | 22.15 | 22.12 | | | | | | |
| 5 | IQAM | 25 | 0 | 20.10 | 20.14 | 20.06 | | | | | | |
| 5 | SSBAM | 1 | 0 | 19.97 | 20.12 | 20.01 | | | | | | |
| 5 | SSBAM | 1 | 24 | 19.88 | 19.94 | 19.88 | | | | | | |
| 5 | SSBAM | 12 | 0 | 19.85 | 19.88 | 19.84 | | | | | | |
| 5 | SSBAM | 12 | 13 | 20.09 | 20.09 | 19.96 | | | | | | |
| 5 | SSBAM | 25 | 0 | 19.92 | 20.06 | 19.91 | | | | | | |

Band 41 Main PA Ant4 DSI3

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Low-Mid Ch / Freq | Power High Ch / Freq | Power High-Mid Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|---------------------|-------------------------|----------------------|--------------------------|---------------------|----------|------|-----|
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.69 | 23.71 | 23.81 | 23.76 | 24.2 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.63 | 23.60 | 23.71 | 23.65 | | | | |
| 20 | QPSK | 50 | 24 | 23.60 | 23.60 | 23.70 | 23.60 | | | | |
| 20 | QPSK | 50 | 24 | 23.50 | 23.74 | 23.85 | 23.72 | | | | |
| 20 | QPSK | 50 | 24 | 23.60 | 23.66 | 23.69 | 23.66 | | | | |
| 20 | IQAM | 1 | 0 | 23.61 | 23.75 | 23.81 | 23.76 | | | 24.2 | 0 |
| 20 | IQAM | 1 | 49 | 23.66 | 23.65 | 23.73 | 23.70 | | | | |
| 20 | IQAM | 1 | 99 | 23.50 | 23.60 | 23.67 | 23.57 | | | | |
| 20 | IQAM | 50 | 24 | 23.27 | 23.26 | 23.39 | 23.25 | | | | |
| 20 | IQAM | 50 | 24 | 23.19 | 23.20 | 23.27 | 23.16 | | | | |
| 20 | IQAM | 100 | 0 | 23.22 | 23.26 | 23.31 | 23.25 | | | | |
| 20 | IQAM | 100 | 0 | 23.21 | 23.22 | 23.25 | 23.24 | | | | |
| 20 | IQAM | 1 | 0 | 22.85 | 23.25 | 23.01 | 22.85 | 23.7 | 0.5 | | |
| 20 | IQAM | 1 | 49 | 22.86 | 22.81 | 22.85 | 22.87 | | | | |
| 20 | IQAM | 1 | 99 | 22.83 | 22.84 | 22.81 | 22.78 | | | | |
| 20 | IQAM | 50 | 24 | 22.20 | 22.20 | 22.42 | 22.32 | | | | |
| 20 | IQAM | 50 | 24 | 22.25 | 22.19 | 22.33 | 22.23 | | | | |
| 20 | IQAM | 100 | 0 | 22.07 | 22.21 | 22.38 | 22.32 | | | | |
| 20 | IQAM | 100 | 0 | 22.15 | 22.24 | 22.30 | 22.23 | | | | |
| 20 | SSBAM | 1 | 0 | 20.27 | 20.20 | 20.32 | 20.20 | | | 20.7 | 3.5 |
| 20 | SSBAM | 1 | 49 | 20.23 | 20.18 | 20.29 | 20.16 | | | | |
| 20 | SSBAM | 1 | 99 | 20.16 | 20.17 | 20.24 | 20.15 | | | | |
| 20 | SSBAM | 50 | 24 | 20.19 | 20.20 | 20.27 | 20.17 | | | | |
| 20 | SSBAM | 50 | 24 | 19.98 | 20.08 | 20.13 | 20.05 | | | | |
| 20 | SSBAM | 50 | 24 | 20.14 | 20.13 | 20.19 | 20.09 | | | | |
| 20 | SSBAM | 100 | 0 | 20.12 | 20.17 | 20.18 | 20.15 | | | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 23.61 | 23.71 | 23.81 | 23.74 | 24 | 0 | | |
| 16 | QPSK | 1 | 37 | 23.66 | 23.62 | 23.74 | 23.71 | | | | |
| 16 | QPSK | 1 | 74 | 23.61 | 23.66 | 23.68 | 23.63 | | | | |
| 16 | QPSK | 36 | 0 | 23.68 | 23.69 | 23.78 | 23.68 | | | | |
| 16 | QPSK | 36 | 20 | 23.63 | 23.67 | 23.74 | 23.70 | | | | |
| 16 | IQAM | 1 | 0 | 23.64 | 23.68 | 23.78 | 23.64 | | | 24.2 | 0 |
| 16 | IQAM | 1 | 74 | 23.59 | 23.67 | 23.67 | 23.54 | | | | |
| 16 | IQAM | 36 | 0 | 23.19 | 23.17 | 23.27 | 23.12 | | | | |
| 16 | IQAM | 36 | 20 | 23.14 | 23.15 | 23.12 | 23.12 | | | | |
| 16 | IQAM | 36 | 59 | 23.17 | 23.19 | 23.17 | 23.15 | | | | |
| 16 | IQAM | 75 | 0 | 23.09 | 23.09 | 23.14 | 23.13 | | | | |
| 16 | IQAM | 75 | 0 | 22.78 | 22.80 | 22.87 | 22.80 | | | | |
| 16 | IQAM | 1 | 37 | 22.80 | 22.88 | 22.87 | 22.82 | | | | |
| 16 | IQAM | 1 | 74 | 22.79 | 22.72 | 22.79 | 22.74 | | | | |
| 16 | IQAM | 36 | 0 | 22.25 | 22.25 | 22.28 | 22.24 | | | | |
| 16 | IQAM | 36 | 20 | 22.18 | 22.10 | 22.29 | 22.10 | | | | |
| 16 | IQAM | 75 | 0 | 22.07 | 22.15 | 22.15 | 22.08 | | | | |
| 16 | SSBAM | 1 | 0 | 20.24 | 20.06 | 20.19 | 20.06 | 20.7 | 3.5 | | |
| 16 | SSBAM | 1 | 37 | 20.12 | 20.05 | 20.18 | 20.10 | | | | |
| 16 | SSBAM | 1 | 74 | 20.02 | 20.04 | 20.09 | 20.08 | | | | |
| 16 | SSBAM | 36 | 0 | 20.05 | 20.14 | 20.09 | 20.00 | | | | |
| 16 | SSBAM | 36 | 20 | 19.99 | 20.02 | 19.95 | 19.98 | | | | |
| 16 | SSBAM | 36 | 59 | 20.07 | 20.10 | 20.12 | 20.02 | | | | |
| 16 | SSBAM | 75 | 0 | 20.01 | 20.06 | 20.15 | 20.01 | | | | |
| Channel | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.61 | 23.67 | 23.79 | 23.65 | | | 24 | 0 |
| 10 | QPSK | 1 | 25 | 23.61 | 23.57 | 23.72 | 23.64 | | | | |
| 10 | QPSK | 1 | 49 | 23.59 | 23.65 | 23.70 | 23.59 | | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.70 | 23.76 | 23.66 | | | | |
| 10 | QPSK | 25 | 12 | 23.62 | 23.63 | 23.68 | 23.72 | | | | |
| 10 | QPSK | 25 | 25 | 23.58 | 23.63 | 23.67 | 23.52 | | | | |
| 10 | IQAM | 1 | 0 | 23.63 | 23.64 | 23.80 | 23.76 | 24.2 | 0 | | |
| 10 | IQAM | 1 | 25 | 23.61 | 23.66 | 23.74 | 23.74 | | | | |
| 10 | IQAM | 1 | 49 | 23.61 | 23.66 | 23.66 | 23.54 | | | | |
| 10 | IQAM | 25 | 0 | 23.21 | 23.26 | 23.22 | 23.20 | | | | |
| 10 | IQAM | 25 | 12 | 23.11 | 23.16 | 23.23 | 23.10 | | | | |
| 10 | IQAM | 25 | 25 | 23.16 | 23.16 | 23.23 | 23.14 | | | | |
| 10 | IQAM | 50 | 0 | 23.12 | 23. | | | | | | |



| Band 42 FCC Part27Q Main PA Ant5 DSI3 | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|-------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MFR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.94 | 22.02 | 21.97 | 22.5 | 0 | |
| 20 | QPSK | 1 | 49 | 21.84 | 21.99 | 21.78 | | | |
| 20 | QPSK | 1 | 99 | 21.71 | 21.86 | 21.62 | | | |
| 20 | QPSK | 50 | 0 | 21.96 | 22.02 | 21.91 | 22.5 | 0 | |
| 20 | QPSK | 50 | 24 | 21.83 | 21.88 | 21.84 | | | |
| 20 | QPSK | 50 | 49 | 21.74 | 21.80 | 21.81 | | | |
| 20 | HQAM | 100 | 0 | 21.88 | 22.02 | 21.96 | 22.5 | 0 | |
| 20 | HQAM | 100 | 24 | 21.82 | 21.88 | 21.79 | | | |
| 20 | HQAM | 100 | 49 | 21.74 | 21.80 | 21.81 | | | |
| 20 | HQAM | 1 | 99 | 21.98 | 22.11 | 22.01 | 22.5 | 0 | |
| 20 | HQAM | 50 | 0 | 21.89 | 21.97 | 21.79 | | | |
| 20 | HQAM | 50 | 24 | 21.89 | 21.90 | 21.89 | | | |
| 20 | HQAM | 50 | 50 | 22.02 | 22.02 | 21.98 | 22.5 | 0 | |
| 20 | HQAM | 100 | 0 | 21.82 | 21.90 | 21.82 | | | |
| 20 | HQAM | 100 | 24 | 21.77 | 21.91 | 21.81 | | | |
| 20 | HQAM | 1 | 99 | 21.96 | 21.99 | 21.88 | 22.5 | 0 | |
| 20 | HQAM | 50 | 0 | 21.73 | 21.85 | 21.78 | | | |
| 20 | HQAM | 50 | 24 | 22.04 | 22.05 | 21.99 | | | |
| 20 | HQAM | 50 | 50 | 21.85 | 21.90 | 21.81 | 22.5 | 0 | |
| 20 | HQAM | 100 | 0 | 21.74 | 21.86 | 21.86 | | | |
| 20 | HQAM | 100 | 24 | 22.04 | 22.05 | 21.99 | | | |
| 20 | ZSSBAM | 1 | 0 | 19.76 | 19.84 | 19.70 | 20.5 | 2 | |
| 20 | ZSSBAM | 1 | 49 | 19.87 | 19.89 | 19.87 | | | |
| 20 | ZSSBAM | 1 | 99 | 19.84 | 19.79 | 19.73 | | | |
| 20 | ZSSBAM | 50 | 0 | 19.88 | 19.88 | 19.88 | 20.5 | 2 | |
| 20 | ZSSBAM | 50 | 24 | 19.87 | 19.83 | 19.81 | | | |
| 20 | ZSSBAM | 50 | 50 | 19.84 | 19.75 | 19.68 | | | |
| 20 | ZSSBAM | 100 | 0 | 19.85 | 19.84 | 19.87 | 20.5 | 2 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 34.75 | 35.00 | 34.75 | 22.5 | 0 | |
| 15 | QPSK | 1 | 37 | 34.81 | 34.97 | 34.83 | | | |
| 15 | QPSK | 1 | 74 | 34.75 | 34.94 | 34.78 | | | |
| 15 | QPSK | 36 | 0 | 34.88 | 35.00 | 34.91 | 22.5 | 0 | |
| 15 | QPSK | 36 | 20 | 34.89 | 34.94 | 34.79 | | | |
| 15 | QPSK | 36 | 39 | 34.78 | 34.88 | 34.88 | | | |
| 15 | HQAM | 1 | 0 | 34.90 | 35.00 | 34.88 | 22.5 | 0 | |
| 15 | HQAM | 1 | 37 | 34.81 | 34.90 | 34.80 | | | |
| 15 | HQAM | 1 | 74 | 34.75 | 34.90 | 34.90 | | | |
| 15 | HQAM | 36 | 0 | 34.88 | 35.00 | 34.88 | 22.5 | 0 | |
| 15 | HQAM | 36 | 20 | 34.75 | 34.93 | 34.83 | | | |
| 15 | HQAM | 36 | 39 | 34.80 | 34.90 | 34.93 | | | |
| 15 | HQAM | 75 | 0 | 34.91 | 35.00 | 34.80 | 22.5 | 0 | |
| 15 | HQAM | 75 | 20 | 34.81 | 34.90 | 34.83 | | | |
| 15 | HQAM | 75 | 37 | 34.75 | 34.90 | 34.90 | | | |
| 15 | ZSSBAM | 1 | 0 | 19.88 | 19.79 | 19.88 | 20.5 | 2 | |
| 15 | ZSSBAM | 1 | 37 | 19.83 | 19.82 | 19.82 | | | |
| 15 | ZSSBAM | 1 | 74 | 19.83 | 19.82 | 19.82 | | | |
| 15 | ZSSBAM | 36 | 0 | 19.85 | 19.72 | 19.89 | 20.5 | 2 | |
| 15 | ZSSBAM | 36 | 20 | 19.89 | 19.82 | 19.87 | | | |
| 15 | ZSSBAM | 36 | 39 | 19.89 | 19.81 | 19.83 | | | |
| 15 | ZSSBAM | 75 | 0 | 19.83 | 19.82 | 19.81 | 20.5 | 2 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 21.82 | 22.00 | 21.91 | 22.5 | 0 | |
| 10 | QPSK | 1 | 25 | 21.82 | 21.98 | 21.80 | | | |
| 10 | QPSK | 1 | 49 | 21.71 | 21.80 | 21.80 | | | |
| 10 | QPSK | 25 | 12 | 21.81 | 21.80 | 21.85 | 22.5 | 0 | |
| 10 | QPSK | 25 | 25 | 21.76 | 21.91 | 21.79 | | | |
| 10 | QPSK | 25 | 37 | 22.02 | 22.00 | 21.90 | | | |
| 10 | HQAM | 1 | 0 | 21.92 | 21.98 | 21.87 | 22.5 | 0 | |
| 10 | HQAM | 1 | 25 | 21.80 | 21.88 | 21.80 | | | |
| 10 | HQAM | 1 | 49 | 22.02 | 22.00 | 21.90 | | | |
| 10 | HQAM | 25 | 0 | 21.82 | 22.00 | 21.86 | 22.5 | 0 | |
| 10 | HQAM | 25 | 12 | 21.74 | 21.86 | 21.80 | | | |
| 10 | HQAM | 25 | 25 | 22.02 | 22.00 | 21.90 | | | |
| 10 | HQAM | 1 | 49 | 21.88 | 21.89 | 21.86 | 22.5 | 0 | |
| 10 | HQAM | 25 | 0 | 21.78 | 21.80 | 21.80 | | | |
| 10 | HQAM | 25 | 12 | 21.88 | 21.89 | 21.89 | | | |
| 10 | HQAM | 25 | 25 | 21.80 | 21.86 | 21.81 | 22.5 | 0 | |
| 10 | HQAM | 50 | 0 | 21.80 | 21.83 | 21.83 | | | |
| 10 | ZSSBAM | 1 | 0 | 19.72 | 19.80 | 19.56 | | | |
| 10 | ZSSBAM | 1 | 25 | 19.88 | 19.74 | 19.84 | 20.5 | 2 | |
| 10 | ZSSBAM | 1 | 49 | 19.81 | 19.70 | 19.87 | | | |
| 10 | ZSSBAM | 25 | 0 | 19.89 | 19.70 | 19.89 | | | |
| 10 | ZSSBAM | 25 | 12 | 19.87 | 19.85 | 19.87 | 20.5 | 2 | |
| 10 | ZSSBAM | 25 | 25 | 19.85 | 19.82 | 19.87 | | | |
| 10 | ZSSBAM | 50 | 0 | 19.49 | 19.52 | 19.47 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 21.85 | 22.00 | 21.94 | 22.5 | 0 | |
| 5 | QPSK | 1 | 12 | 21.88 | 21.90 | 21.87 | | | |
| 5 | QPSK | 1 | 24 | 21.71 | 21.87 | 21.87 | | | |
| 5 | QPSK | 12 | 7 | 21.83 | 22.00 | 21.81 | 22.5 | 0 | |
| 5 | QPSK | 12 | 13 | 21.74 | 21.84 | 21.78 | | | |
| 5 | QPSK | 25 | 0 | 22.02 | 22.00 | 21.90 | | | |
| 5 | HQAM | 1 | 0 | 21.86 | 21.98 | 21.80 | 22.5 | 0 | |
| 5 | HQAM | 1 | 12 | 21.89 | 21.83 | 21.79 | | | |
| 5 | HQAM | 1 | 24 | 21.89 | 22.01 | 21.94 | | | |
| 5 | HQAM | 12 | 7 | 21.81 | 21.86 | 21.80 | 22.5 | 0 | |
| 5 | HQAM | 12 | 13 | 22.04 | 22.00 | 21.90 | | | |
| 5 | HQAM | 25 | 0 | 21.83 | 21.89 | 21.88 | | | |
| 5 | HQAM | 1 | 0 | 21.70 | 21.86 | 21.70 | 22.5 | 0 | |
| 5 | HQAM | 1 | 12 | 21.89 | 22.00 | 21.99 | | | |
| 5 | HQAM | 1 | 24 | 21.89 | 21.92 | 21.88 | | | |
| 5 | HQAM | 12 | 7 | 21.73 | 21.87 | 21.84 | 22.5 | 0 | |
| 5 | HQAM | 12 | 13 | 21.86 | 21.88 | 21.88 | | | |
| 5 | HQAM | 25 | 0 | 21.73 | 21.86 | 21.86 | | | |
| 5 | HQAM | 12 | 13 | 21.67 | 21.84 | 21.80 | 20.5 | 2 | |
| 5 | ZSSBAM | 1 | 0 | 19.64 | 19.70 | 19.55 | | | |
| 5 | ZSSBAM | 1 | 12 | 19.66 | 19.71 | 19.62 | | | |
| 5 | ZSSBAM | 1 | 24 | 19.80 | 19.71 | 19.69 | 20.5 | 2 | |
| 5 | ZSSBAM | 12 | 7 | 19.82 | 19.45 | 19.47 | | | |
| 5 | ZSSBAM | 12 | 13 | 19.59 | 19.69 | 19.58 | | | |
| 5 | ZSSBAM | 25 | 0 | 19.49 | 19.50 | 19.45 | 20.5 | 2 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 21.84 | 22.00 | 21.94 | 22.5 | 0 | |
| 5 | QPSK | 1 | 12 | 21.88 | 21.90 | 21.87 | | | |
| 5 | QPSK | 1 | 24 | 21.71 | 21.87 | 21.87 | | | |
| 5 | QPSK | 12 | 7 | 21.83 | 22.00 | 21.81 | 22.5 | 0 | |
| 5 | QPSK | 12 | 13 | 21.74 | 21.84 | 21.78 | | | |
| 5 | QPSK | 25 | 0 | 22.02 | 22.00 | 21.90 | | | |
| 5 | HQAM | 1 | 0 | 21.86 | 21.98 | 21.80 | 22.5 | 0 | |
| 5 | HQAM | 1 | 12 | 21.89 | 21.83 | 21.79 | | | |
| 5 | HQAM | 1 | 24 | 21.89 | 22.01 | 21.94 | | | |
| 5 | HQAM | 12 | 7 | 21.81 | 21.86 | 21.80 | 22.5 | 0 | |
| 5 | HQAM | 12 | 13 | 22.04 | 22.00 | 21.90 | | | |
| 5 | HQAM | 25 | 0 | 21.83 | 21.89 | 21.88 | | | |
| 5 | HQAM | 1 | 0 | 21.70 | 21.86 | 21.70 | 22.5 | 0 | |
| 5 | HQAM | 1 | 12 | 21.89 | 22.00 | 21.99 | | | |
| 5 | HQAM | 1 | 24 | 21.89 | 21.92 | 21.88 | | | |
| 5 | HQAM | 12 | 7 | 21.73 | 21.87 | 21.84 | 22.5 | 0 | |
| 5 | HQAM | 12 | 13 | 21.86 | 21.88 | 21.88 | | | |
| 5 | HQAM | 25 | 0 | 21.73 | 21.86 | 21.86 | | | |
| 5 | HQAM | 12 | 13 | 21.51 | 21.48 | 21.36 | 20.5 | 1.5 | |
| 5 | ZSSBAM | 1 | 0 | 19.53 | 19.48 | 19.41 | | | |
| 5 | ZSSBAM | 1 | 12 | 19.55 | 19.68 | 19.61 | | | |

| Band 48 Main PA Ant5 DSI3 | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|-------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MFR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.58 | 21.62 | 21.61 | 22 | 0 | |
| 20 | QPSK | 1 | 49 | 21.54 | 21.48 | 21.43 | | | |
| 20 | QPSK | 1 | 99 | 21.59 | 21.45 | 21.47 | | | |
| 20 | QPSK | 50 | 0 | 21.60 | 21.62 | 21.58 | 22 | 0 | |
| 20 | QPSK | 50 | 24 | 21.52 | 21.49 | 21.41 | | | |
| 20 | QPSK | 50 | 49 | 21.52 | 21.45 | 21.38 | | | |
| 20 | HQAM | 100 | 0 | 21.55 | 21.58 | 21.54 | 22 | 0 | |
| 20 | HQAM | 100 | 24 | 21.47 | 21.53 | 21.39 | | | |
| 20 | HQAM | 100 | 49 | 21.36 | 21.47 | 21.48 | | | |
| 20 | HQAM | 1 | 99 | 21.59 | 21.62 | 21.56 | 22 | 0 | |
| 20 | HQAM | 50 | 0 | 21.51 | 21.51 | 21.36 | | | |
| 20 | HQAM | 50 | 24 | 21.52 | 21.54 | 21.39 | | | |
| 20 | HQAM | 50 | 50 | 21.61 | 21.59 | 21.55 | 22 | 0 | |
| 20 | HQAM | 100 | 0 | 21.54 | 21.56 | 21.42 | | | |
| 20 | HQAM | 100 | 24 | 21.30 | 21.43 | 21.43 | | | |
| 20 | HQAM | 1 | 49 | 21.54 | 21.58 | 21.58 | 22 | 0 | |
| 20 | HQAM | 50 | 0 | 21.45 | 21.49 | 21.43 | | | |
| 20 | HQAM | 50 | 24 | 21.58 | 21.58 | 21.54 | | | |
| 20 | HQAM | 50 | 50 | 21.45 | 21.49 | 21.43 | 22 | 0 | |
| 20 | HQAM | 100 | 0 | 21.37 | 21.52 | 21.36 | | | |
| 20 | HQAM | 100 | 24 | 21.58 | 21.58 | 21.54 | | | |
| 20 | ZSSBAM | 1 | 0 | 19.92 | 19.93 | 19.84 | 20.5 | 1.5 | |
| 20 | ZSSBAM | 1 | 49 | 19.73 | 19.88 | 19.73 | | | |
| 20 | ZSSBAM | 1 | 99 | 19.72 | 19.85 | 19.85 | | | |
| 20 | ZSSBAM | 50 | 0 | 19.85 | 19.87 | 19.84 | 20.5 | 1.5 | |
| 20 | ZSSBAM | 50 | 24 | 19.70 | 19.75 | 19.72 | | | |
| 20 | ZSSBAM | 50 | 50 | 19.73 | 19.80 | 19.75 | | | |
| 20 | ZSSBAM | 100 | 0 | 19.84 | 19.85 | 19.85 | 20.5 | 1.5 | |
| Channel</ | | | | | | | | | |



| Band 42 FCC Part27Q Main PA Ant6 DSI3 | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42160 | 42560 | 42960 | | | |
| 20 | QPSK | 1 | 0 | 21.18 | 21.20 | 21.15 | 22 | 0 | |
| 20 | QPSK | 1 | 49 | 21.13 | 21.13 | 21.06 | | | |
| 20 | QPSK | 1 | 99 | 21.07 | 21.10 | 21.06 | | | |
| 20 | QPSK | 50 | 0 | 21.18 | 21.17 | 21.13 | | | |
| 20 | QPSK | 50 | 24 | 21.15 | 21.18 | 21.05 | 22 | 0 | |
| 20 | QPSK | 100 | 0 | 21.20 | 21.21 | 21.13 | | | |
| 20 | HQAM | 1 | 0 | 21.14 | 21.21 | 21.14 | 22 | 0 | |
| 20 | HQAM | 1 | 49 | 21.03 | 21.13 | 21.15 | | | |
| 20 | HQAM | 1 | 99 | 21.22 | 21.20 | 21.14 | | | |
| 20 | HQAM | 50 | 0 | 21.19 | 21.20 | 21.08 | | | |
| 20 | HQAM | 50 | 24 | 21.20 | 21.22 | 21.07 | 22 | 0 | |
| 20 | HQAM | 100 | 0 | 21.20 | 21.20 | 21.07 | | | |
| 20 | HQAM | 100 | 0 | 21.02 | 21.15 | 21.04 | | | |
| 20 | HQAM | 1 | 49 | 21.18 | 21.20 | 21.19 | 22 | 0 | |
| 20 | HQAM | 1 | 99 | 21.18 | 21.18 | 21.06 | | | |
| 20 | HQAM | 50 | 0 | 21.01 | 21.10 | 21.10 | | | |
| 20 | HQAM | 50 | 24 | 21.28 | 21.27 | 21.17 | 22 | 0 | |
| 20 | HQAM | 50 | 50 | 21.15 | 21.18 | 21.07 | | | |
| 20 | HQAM | 100 | 0 | 21.02 | 21.19 | 21.10 | | | |
| 20 | ZSSQAM | 1 | 0 | 19.34 | 19.47 | 19.38 | | | |
| 20 | ZSSQAM | 1 | 49 | 19.26 | 19.46 | 19.40 | 20.5 | 1.5 | |
| 20 | ZSSQAM | 1 | 99 | 19.26 | 19.39 | 19.31 | | | |
| 20 | ZSSQAM | 50 | 0 | 19.27 | 19.32 | 19.28 | | | |
| 20 | ZSSQAM | 50 | 24 | 19.17 | 19.31 | 19.22 | 20.5 | 1.5 | |
| 20 | ZSSQAM | 50 | 50 | 19.31 | 19.37 | 19.23 | | | |
| 20 | ZSSQAM | 100 | 0 | 19.25 | 19.28 | 19.28 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42160 | 42560 | 42960 | Tune-up Int. (dBm) | MPR (dB) | |
| 15 | QPSK | 1 | 0 | 21.03 | 21.20 | 21.22 | 22 | 0 | |
| 15 | QPSK | 1 | 47 | 21.19 | 21.19 | 21.07 | | | |
| 15 | QPSK | 1 | 74 | 21.03 | 21.10 | 21.10 | | | |
| 15 | QPSK | 36 | 0 | 21.07 | 21.10 | 21.06 | | | |
| 15 | QPSK | 36 | 20 | 21.17 | 21.21 | 21.06 | 22 | 0 | |
| 15 | HQAM | 1 | 0 | 21.09 | 21.20 | 21.09 | | | |
| 15 | HQAM | 1 | 47 | 21.19 | 21.18 | 21.21 | 22 | 0 | |
| 15 | HQAM | 1 | 74 | 21.19 | 21.18 | 21.21 | | | |
| 15 | HQAM | 36 | 0 | 21.13 | 21.22 | 21.11 | | | |
| 15 | HQAM | 36 | 20 | 21.09 | 21.10 | 21.08 | 22 | 0 | |
| 15 | HQAM | 36 | 59 | 21.18 | 21.22 | 21.14 | | | |
| 15 | HQAM | 75 | 0 | 21.14 | 21.14 | 21.07 | | | |
| 15 | HQAM | 1 | 0 | 21.09 | 21.10 | 21.04 | | | |
| 15 | HQAM | 1 | 47 | 21.24 | 21.24 | 21.18 | 22 | 0 | |
| 15 | HQAM | 1 | 74 | 21.13 | 21.24 | 21.19 | | | |
| 15 | HQAM | 36 | 0 | 21.01 | 21.20 | 21.04 | | | |
| 15 | HQAM | 36 | 20 | 21.25 | 21.29 | 21.17 | 22 | 0 | |
| 15 | HQAM | 36 | 59 | 21.08 | 21.20 | 21.06 | | | |
| 15 | HQAM | 75 | 0 | 21.04 | 21.08 | 21.11 | | | |
| 15 | ZSSQAM | 1 | 0 | 19.25 | 19.34 | 19.23 | | | |
| 15 | ZSSQAM | 1 | 47 | 19.23 | 19.32 | 19.22 | 20.5 | 1.5 | |
| 15 | ZSSQAM | 1 | 74 | 19.16 | 19.24 | 19.18 | | | |
| 15 | ZSSQAM | 36 | 0 | 19.21 | 19.26 | 19.20 | | | |
| 15 | ZSSQAM | 36 | 20 | 19.28 | 19.27 | 19.14 | 20.5 | 1.5 | |
| 15 | ZSSQAM | 36 | 59 | 19.27 | 19.23 | 19.13 | | | |
| 15 | ZSSQAM | 75 | 0 | 19.15 | 19.24 | 19.22 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3475 | 3500 | 3475 | Tune-up Int. (dBm) | MPR (dB) | |
| 10 | QPSK | 1 | 0 | 21.03 | 21.20 | 21.14 | 22 | 0 | |
| 10 | QPSK | 1 | 25 | 21.10 | 21.19 | 21.12 | | | |
| 10 | QPSK | 1 | 49 | 21.06 | 21.10 | 21.04 | | | |
| 10 | QPSK | 12 | 7 | 21.14 | 21.20 | 21.18 | | | |
| 10 | QPSK | 25 | 12 | 21.13 | 21.21 | 21.13 | 22 | 0 | |
| 10 | QPSK | 25 | 25 | 21.06 | 21.19 | 21.09 | | | |
| 10 | HQAM | 1 | 0 | 21.08 | 21.21 | 21.11 | | | |
| 10 | HQAM | 1 | 25 | 21.08 | 21.11 | 21.10 | 22 | 0 | |
| 10 | HQAM | 1 | 49 | 21.07 | 21.20 | 21.18 | | | |
| 10 | HQAM | 25 | 0 | 21.12 | 21.19 | 21.16 | | | |
| 10 | HQAM | 25 | 25 | 21.17 | 21.21 | 21.20 | 22 | 0 | |
| 10 | HQAM | 25 | 50 | 21.20 | 21.20 | 21.12 | | | |
| 10 | HQAM | 25 | 0 | 21.09 | 21.17 | 21.08 | | | |
| 10 | HQAM | 25 | 12 | 21.24 | 21.32 | 21.17 | 22 | 0 | |
| 10 | HQAM | 25 | 25 | 21.17 | 21.18 | 21.14 | | | |
| 10 | HQAM | 50 | 0 | 21.09 | 21.10 | 21.04 | | | |
| 10 | ZSSQAM | 1 | 0 | 19.26 | 19.37 | 19.32 | | | |
| 10 | ZSSQAM | 1 | 25 | 19.26 | 19.41 | 19.38 | 20.5 | 1.5 | |
| 10 | ZSSQAM | 1 | 49 | 19.23 | 19.26 | 19.23 | | | |
| 10 | ZSSQAM | 25 | 0 | 19.23 | 19.28 | 19.24 | | | |
| 10 | ZSSQAM | 25 | 12 | 19.25 | 19.26 | 19.15 | 20.5 | 1.5 | |
| 10 | ZSSQAM | 25 | 25 | 19.27 | 19.27 | 19.12 | | | |
| 10 | ZSSQAM | 50 | 0 | 19.11 | 19.33 | 19.16 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3475 | 3500 | 3475 | Tune-up Int. (dBm) | MPR (dB) | |
| 5 | QPSK | 1 | 0 | 21.19 | 21.21 | 21.18 | 22 | 0 | |
| 5 | QPSK | 1 | 12 | 21.18 | 21.19 | 21.13 | | | |
| 5 | QPSK | 1 | 24 | 21.18 | 21.19 | 21.13 | | | |
| 5 | QPSK | 12 | 0 | 21.22 | 21.22 | 21.19 | | | |
| 5 | QPSK | 12 | 7 | 21.14 | 21.20 | 21.17 | 22 | 0 | |
| 5 | QPSK | 12 | 13 | 21.03 | 21.10 | 21.07 | | | |
| 5 | HQAM | 1 | 0 | 21.20 | 21.20 | 21.09 | | | |
| 5 | HQAM | 1 | 12 | 21.03 | 21.15 | 21.14 | 22 | 0 | |
| 5 | HQAM | 1 | 24 | 21.24 | 21.21 | 21.21 | | | |
| 5 | HQAM | 12 | 0 | 21.19 | 21.13 | 21.11 | | | |
| 5 | HQAM | 12 | 7 | 21.01 | 21.13 | 21.07 | 22 | 0 | |
| 5 | HQAM | 12 | 13 | 21.25 | 21.20 | 21.20 | | | |
| 5 | HQAM | 25 | 0 | 21.13 | 21.18 | 21.10 | | | |
| 5 | HQAM | 25 | 0 | 21.13 | 21.18 | 21.10 | | | |
| 5 | HQAM | 1 | 0 | 21.11 | 21.16 | 21.07 | 22 | 0 | |
| 5 | HQAM | 1 | 12 | 21.09 | 21.20 | 21.12 | | | |
| 5 | HQAM | 1 | 24 | 21.19 | 21.20 | 21.13 | | | |
| 5 | HQAM | 12 | 0 | 21.07 | 21.17 | 21.14 | | | |
| 5 | HQAM | 12 | 7 | 21.07 | 21.17 | 21.16 | 22 | 0 | |
| 5 | HQAM | 12 | 13 | 21.12 | 21.16 | 21.16 | | | |
| 5 | HQAM | 25 | 0 | 21.03 | 21.13 | 21.13 | | | |
| 5 | ZSSQAM | 1 | 0 | 19.29 | 19.30 | 19.25 | 20.5 | 1.5 | |
| 5 | ZSSQAM | 1 | 12 | 19.27 | 19.37 | 19.33 | | | |
| 5 | ZSSQAM | 1 | 24 | 19.19 | 19.31 | 19.19 | | | |
| 5 | ZSSQAM | 12 | 0 | 19.28 | 19.29 | 19.26 | | | |
| 5 | ZSSQAM | 12 | 7 | 19.24 | 19.17 | 19.18 | 20.5 | 1.5 | |
| 5 | ZSSQAM | 12 | 13 | 19.27 | 19.26 | 19.16 | | | |
| 5 | ZSSQAM | 25 | 0 | 19.19 | 19.31 | 19.14 | | | |

| Band 48 Main PA Ant6 DSI3 | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|--------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MPR (dB) |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56940 | 56340 | 56940 | | |
| 20 | QPSK | 1 | 0 | 21.77 | 21.80 | 21.77 | 21.75 | 22.5 | 0 |
| 20 | QPSK | 1 | 49 | 21.77 | 21.75 | 21.65 | 21.64 | | |
| 20 | QPSK | 1 | 99 | 21.62 | 21.76 | 21.70 | 21.66 | | |
| 20 | QPSK | 50 | 0 | 21.81 | 21.85 | 21.75 | 21.78 | 22.5 | 0 |
| 20 | QPSK | 50 | 24 | 21.75 | 21.76 | 21.66 | 21.66 | | |
| 20 | QPSK | 100 | 0 | 21.69 | 21.68 | 21.63 | 21.65 | | |
| 20 | QPSK | 100 | 0 | 21.75 | 21.83 | 21.78 | 21.78 | | |
| 20 | HQAM | 1 | 0 | 21.82 | 21.79 | 21.73 | 21.67 | 22.5 | 0 |
| 20 | HQAM | 1 | 49 | 21.72 | 21.72 | 21.62 | 21.66 | | |
| 20 | HQAM | 1 | 99 | 21.75 | 21.81 | 21.75 | 21.70 | | |
| 20 | HQAM | 50 | 0 | 21.74 | 21.79 | 21.64 | 21.59 | | |
| 20 | HQAM | 50 | 24 | 21.69 | 21.76 | 21.62 | 21.67 | 22.5 | 0 |
| 20 | HQAM | 50 | 50 | 21.83 | 21.84 | 21.73 | 21.77 | | |
| 20 | HQAM | 100 | 0 | 21.67 | 21.75 | 21.70 | 21.69 | | |
| 20 | HQAM | 100 | 0 | 21.69 | 21.71 | 21.53 | 21.55 | | |
| 20 | HQAM | 1 | 49 | 21.85 | 21.84 | 21.80 | 21.89 | 22.5 | 0 |
| 20 | HQAM | 1 | 99 | 21.74 | 21.76 | 21.71 | 21.76 | | |
| 20 | HQAM | 50 | 0 | 21.68 | 21.68 | 21.64 | 21.65 | | |
| 20 | HQAM | 50 | 24 | 21.81 | 21.86 | 21.74 | 21.75 | 22.5 | 0 |
| 20 | HQAM | 50 | 50 | 21.75 | 21.71 | 21.72 | 21.63 | | |
| 20 | HQAM | 100 | 0 | 21.72 | 21.79 | 21.64 | 21.60 | | |
| 20 | ZSSQAM | 1 | 0 | 19.48 | 19.56 | 19.44 | 19.44 | | |
| 20 | ZSSQAM | 1 | 49 | 19.46 | 19.58 | 19.48 | 19.48 | 20.5 | 2 |
| 20 | ZSSQAM | 1 | 99 | 19.38 | 19.44 | 19.45 | 19.34 | | |
| 20 | ZSSQAM | 50 | 0 | 19.43 | 19.54 | 19.48 | 19.42 | | |
| 20 | ZSSQAM | 50 | 24 | 19.26 | 19.37 | 19.38 | 19.32 | 20.5 | 2 |
| 20 | ZSSQAM | 50 | 50 | 19.48 | 19.46 | 19.31 | 19.41 | | |
| 20 | ZSSQAM | 100 | 0 | 19.35 | 19.40 | 19.35 | 19.35 | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56940 | 56340 | 56940 | Tune-up Int. (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 0 | 21.74 | 21.83 | 21.73 | 21.73 | 22.5 | 0 |
| 15 | QPSK | 1 | 37 | 21.76 | 21.80 | 21.74 | 21.67 | | |
| 15 | QPSK | 1 | 74 | 21.70 | 21.76 | 21.67 | 21.60 | | |
| 15 | QPSK | 36 | 0 | 21.75 | 21.84 | 21.69 | 21.66 | | |
| 15 | QPSK | 36 | 20 | 21.79 | 21.73 | 21.67 | 21.65 | 22.5 | 0 |
| 15 | HQAM | 1 | 0 | 21.68 | 21.70 | 21.64 | 21.64 | | |
| 15 | HQAM | 1 | 37 | 21.72 | 21.72 | 21.69 | 21.69 | 22.5 | 0 |
| 15 | HQAM | 1 | 74 | 21.81 | 21.82 | 21.74 | 21.67 | | |
| 15 | HQAM | 36 | 0 | 21.74 | 21.79 | 21.74 | 21.68 | | |
| 15 | HQAM | 36 | 20 | 21.68 | 21.71 | 21.63 | 21.62 | 22.5 | 0 |
| 15 | HQAM | 36 | 59 | 21.81 | 21.84 | 21.83 | 21.73 | | |
| 15 | HQAM | 75 | 0 | 21.78 | 21.77 | 21.69 | 21.60 | | |
| 15 | HQAM | 1 | 0 | 21.65 | 21.70 | 21.69 | 21.66 | | |
| 15 | HQAM | 1 | 37 | 21.84 | 21.87 | 21.78 | 21.73 | 22.5 | 0 |
| 15</ | | | | | | | | | |



| Band 42 FCC Part27Q Mian PA Ant7 | | | | | | | | | |
|----------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|-------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42160 | 42590 | 42990 | | | |
| 20 | QPSK | 1 | 0 | 23.52 | 23.52 | 23.48 | 24.5 | 0 | |
| 20 | QPSK | 1 | 49 | 23.52 | 23.44 | 23.38 | | | |
| 20 | QPSK | 1 | 99 | 23.38 | 23.40 | 23.36 | | | |
| 20 | QPSK | 50 | 0 | 22.45 | 22.50 | 22.40 | 23.5 | 1 | |
| 20 | QPSK | 50 | 24 | 22.37 | 22.48 | 22.43 | | | |
| 20 | QPSK | 50 | 49 | 22.20 | 22.31 | 22.25 | | | |
| 20 | QPSK | 100 | 0 | 22.28 | 22.31 | 22.25 | | | |
| 20 | HQAM | 1 | 0 | 22.28 | 22.37 | 22.33 | 23.5 | 1 | |
| 20 | HQAM | 1 | 49 | 22.20 | 22.31 | 22.25 | | | |
| 20 | HQAM | 1 | 99 | 22.13 | 22.22 | 22.12 | | | |
| 20 | HQAM | 50 | 0 | 21.40 | 21.36 | 21.46 | 22.5 | 2 | |
| 20 | HQAM | 50 | 24 | 21.32 | 21.40 | 21.36 | | | |
| 20 | HQAM | 50 | 49 | 21.24 | 21.40 | 21.39 | | | |
| 20 | HQAM | 100 | 0 | 21.27 | 21.36 | 21.26 | | | |
| 20 | HQAM | 100 | 0 | 21.25 | 21.42 | 21.33 | | | |
| 20 | HQAM | 1 | 49 | 21.27 | 21.36 | 21.26 | 22.5 | 2 | |
| 20 | HQAM | 1 | 99 | 21.18 | 21.25 | 21.12 | | | |
| 20 | HQAM | 50 | 0 | 20.41 | 20.50 | 20.43 | | | |
| 20 | HQAM | 50 | 24 | 20.35 | 20.38 | 20.28 | | | |
| 20 | HQAM | 50 | 49 | 20.32 | 20.40 | 20.33 | 21.5 | 3 | |
| 20 | HQAM | 100 | 0 | 20.28 | 20.35 | 20.28 | | | |
| 20 | ZSSBAM | 1 | 0 | 18.24 | 18.26 | 18.35 | 19.5 | 5 | |
| 20 | ZSSBAM | 1 | 49 | 18.27 | 18.30 | 18.27 | | | |
| 20 | ZSSBAM | 1 | 99 | 18.24 | 18.30 | 18.25 | | | |
| 20 | ZSSBAM | 50 | 0 | 18.28 | 18.26 | 18.36 | | | |
| 20 | ZSSBAM | 50 | 24 | 18.09 | 18.22 | 18.16 | 19.5 | 5 | |
| 20 | ZSSBAM | 50 | 49 | 18.06 | 18.19 | 18.10 | | | |
| 20 | ZSSBAM | 100 | 0 | 18.09 | 18.20 | 18.14 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42160 | 42590 | 42990 | Tune-up Int (dBm) | MPR (dB) | |
| 15 | QPSK | 1 | 0 | 23.44 | 23.50 | 23.43 | 24.5 | 0 | |
| 15 | QPSK | 1 | 47 | 23.28 | 23.32 | 23.32 | | | |
| 15 | QPSK | 1 | 74 | 23.22 | 23.30 | 23.24 | | | |
| 15 | QPSK | 36 | 0 | 22.41 | 22.30 | 22.36 | 23.5 | 1 | |
| 15 | QPSK | 36 | 20 | 22.28 | 22.30 | 22.35 | | | |
| 15 | QPSK | 36 | 37 | 22.23 | 22.29 | 22.28 | | | |
| 15 | QPSK | 75 | 0 | 22.24 | 22.32 | 22.21 | | | |
| 15 | HQAM | 1 | 0 | 22.25 | 22.29 | 22.25 | 23.5 | 1 | |
| 15 | HQAM | 1 | 47 | 22.13 | 22.20 | 22.18 | | | |
| 15 | HQAM | 1 | 74 | 22.07 | 22.15 | 22.03 | | | |
| 15 | HQAM | 36 | 0 | 21.31 | 21.37 | 21.37 | 22.5 | 2 | |
| 15 | HQAM | 36 | 20 | 21.29 | 21.30 | 21.29 | | | |
| 15 | HQAM | 36 | 37 | 21.21 | 21.34 | 21.31 | | | |
| 15 | HQAM | 75 | 0 | 21.14 | 21.21 | 21.15 | | | |
| 15 | HQAM | 1 | 0 | 21.24 | 21.29 | 21.22 | 22.5 | 2 | |
| 15 | HQAM | 1 | 47 | 21.18 | 21.32 | 21.15 | | | |
| 15 | HQAM | 1 | 74 | 21.11 | 21.22 | 21.09 | | | |
| 15 | HQAM | 36 | 0 | 20.33 | 20.40 | 20.38 | 21.5 | 3 | |
| 15 | HQAM | 36 | 20 | 20.25 | 20.29 | 20.22 | | | |
| 15 | HQAM | 36 | 37 | 20.23 | 20.29 | 20.28 | | | |
| 15 | HQAM | 75 | 0 | 20.15 | 20.22 | 20.22 | | | |
| 15 | ZSSBAM | 1 | 0 | 18.17 | 18.28 | 18.23 | 19.5 | 5 | |
| 15 | ZSSBAM | 1 | 47 | 18.17 | 18.18 | 18.23 | | | |
| 15 | ZSSBAM | 1 | 74 | 18.13 | 18.15 | 18.17 | | | |
| 15 | ZSSBAM | 36 | 0 | 18.20 | 18.27 | 18.18 | 19.5 | 5 | |
| 15 | ZSSBAM | 36 | 20 | 17.28 | 18.10 | 18.02 | | | |
| 15 | ZSSBAM | 36 | 37 | 17.98 | 18.13 | 18.07 | | | |
| 15 | ZSSBAM | 75 | 0 | 18.16 | 18.10 | 18.00 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3475 | 3500 | 3545 | Tune-up Int (dBm) | MPR (dB) | |
| 10 | QPSK | 1 | 0 | 23.44 | 23.44 | 23.34 | 24.5 | 0 | |
| 10 | QPSK | 1 | 25 | 23.18 | 23.29 | 23.20 | | | |
| 10 | QPSK | 1 | 49 | 23.31 | 23.32 | 23.33 | | | |
| 10 | QPSK | 12 | 0 | 22.23 | 22.28 | 22.26 | 23.5 | 1 | |
| 10 | QPSK | 25 | 12 | 22.28 | 22.42 | 22.35 | | | |
| 10 | QPSK | 25 | 25 | 22.18 | 22.29 | 22.13 | | | |
| 10 | QPSK | 50 | 0 | 22.23 | 22.29 | 22.19 | | | |
| 10 | HQAM | 1 | 0 | 22.17 | 22.23 | 22.28 | 23.5 | 1 | |
| 10 | HQAM | 1 | 25 | 22.11 | 22.18 | 22.12 | | | |
| 10 | HQAM | 1 | 49 | 22.00 | 22.11 | 21.98 | | | |
| 10 | HQAM | 25 | 0 | 21.31 | 21.40 | 21.38 | 22.5 | 2 | |
| 10 | HQAM | 25 | 12 | 21.27 | 21.40 | 21.21 | | | |
| 10 | HQAM | 25 | 25 | 21.21 | 21.44 | 21.20 | | | |
| 10 | HQAM | 50 | 0 | 21.09 | 21.24 | 21.18 | | | |
| 10 | HQAM | 1 | 0 | 21.24 | 21.31 | 21.26 | 22.5 | 2 | |
| 10 | HQAM | 1 | 49 | 21.09 | 21.17 | 21.08 | | | |
| 10 | HQAM | 25 | 0 | 20.33 | 20.37 | 20.40 | 21.5 | 3 | |
| 10 | HQAM | 25 | 12 | 20.32 | 20.33 | 20.12 | | | |
| 10 | HQAM | 25 | 25 | 20.22 | 20.33 | 20.28 | | | |
| 10 | HQAM | 50 | 0 | 20.15 | 20.25 | 20.18 | | | |
| 10 | ZSSBAM | 1 | 0 | 18.16 | 18.20 | 18.20 | 19.5 | 5 | |
| 10 | ZSSBAM | 1 | 25 | 18.21 | 18.16 | 18.09 | | | |
| 10 | ZSSBAM | 1 | 49 | 18.20 | 18.20 | 18.13 | | | |
| 10 | ZSSBAM | 25 | 0 | 18.18 | 18.19 | 18.18 | 19.5 | 5 | |
| 10 | ZSSBAM | 25 | 12 | 18.04 | 18.15 | 18.07 | | | |
| 10 | ZSSBAM | 25 | 25 | 18.01 | 18.15 | 18.00 | | | |
| 10 | ZSSBAM | 50 | 0 | 17.97 | 18.16 | 18.09 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3475.5 | 3500 | 3547.5 | Tune-up Int (dBm) | MPR (dB) | |
| 5 | QPSK | 1 | 0 | 23.45 | 23.43 | 23.35 | 24.5 | 0 | |
| 5 | QPSK | 1 | 12 | 23.18 | 23.31 | 23.31 | | | |
| 5 | QPSK | 1 | 24 | 23.29 | 23.30 | 23.28 | | | |
| 5 | QPSK | 12 | 0 | 22.23 | 22.40 | 22.36 | 23.5 | 1 | |
| 5 | QPSK | 12 | 7 | 22.29 | 22.45 | 22.38 | | | |
| 5 | QPSK | 12 | 13 | 22.28 | 22.29 | 22.19 | | | |
| 5 | QPSK | 25 | 0 | 22.25 | 22.29 | 22.17 | | | |
| 5 | HQAM | 1 | 0 | 22.23 | 22.30 | 22.23 | 23.5 | 1 | |
| 5 | HQAM | 1 | 12 | 22.16 | 22.26 | 22.14 | | | |
| 5 | HQAM | 1 | 24 | 22.01 | 22.10 | 22.06 | | | |
| 5 | HQAM | 12 | 0 | 21.36 | 21.40 | 21.41 | 22.5 | 2 | |
| 5 | HQAM | 12 | 7 | 21.24 | 21.33 | 21.22 | | | |
| 5 | HQAM | 12 | 13 | 21.28 | 21.30 | 21.26 | | | |
| 5 | HQAM | 25 | 0 | 21.09 | 21.30 | 21.17 | 22.5 | 2 | |
| 5 | HQAM | 1 | 0 | 21.28 | 21.28 | 21.28 | | | |
| 5 | HQAM | 1 | 12 | 21.16 | 21.24 | 21.11 | | | |
| 5 | HQAM | 1 | 24 | 21.02 | 21.21 | 21.00 | | | |
| 5 | HQAM | 12 | 0 | 20.34 | 20.37 | 20.29 | 21.5 | 3 | |
| 5 | HQAM | 12 | 7 | 20.20 | 20.34 | 20.21 | | | |
| 5 | HQAM | 12 | 13 | 20.28 | 20.40 | 20.20 | | | |
| 5 | HQAM | 25 | 0 | 20.13 | 20.26 | 20.17 | | | |
| 5 | ZSSBAM | 1 | 0 | 18.10 | 18.32 | 18.23 | 19.5 | 5 | |
| 5 | ZSSBAM | 1 | 12 | 18.16 | 18.18 | 18.09 | | | |
| 5 | ZSSBAM | 1 | 24 | 18.18 | 18.21 | 18.11 | | | |
| 5 | ZSSBAM | 12 | 0 | 18.17 | 18.27 | 18.16 | 19.5 | 5 | |
| 5 | ZSSBAM | 12 | 7 | 18.01 | 18.16 | 18.10 | | | |
| 5 | ZSSBAM | 12 | 13 | 17.83 | 18.11 | 17.99 | | | |
| 5 | ZSSBAM | 25 | 0 | 17.94 | 18.14 | 18.06 | | | |

| Band 48 Main PA Ant7 DS13 | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|-------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MPR (dB) |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56930 | 56950 | 56950 | | |
| 20 | QPSK | 1 | 0 | 18.55 | 18.60 | 18.41 | 19.5 | 0 | |
| 20 | QPSK | 1 | 49 | 18.39 | 18.57 | 18.38 | 18.51 | | |
| 20 | QPSK | 1 | 99 | 18.50 | 18.56 | 18.40 | 18.48 | | |
| 20 | QPSK | 50 | 0 | 18.58 | 18.62 | 18.55 | 19.5 | 0 | |
| 20 | QPSK | 50 | 24 | 18.44 | 18.53 | 18.43 | 18.48 | | |
| 20 | QPSK | 50 | 49 | 18.47 | 18.58 | 18.27 | 18.46 | | |
| 20 | QPSK | 100 | 0 | 18.58 | 18.59 | 18.52 | 18.55 | | |
| 20 | HQAM | 1 | 0 | 18.50 | 18.55 | 18.45 | 18.48 | 19.5 | 0 |
| 20 | HQAM | 1 | 49 | 18.41 | 18.49 | 18.39 | 18.41 | | |
| 20 | HQAM | 1 | 99 | 18.56 | 18.65 | 18.59 | 18.48 | | |
| 20 | HQAM | 50 | 0 | 18.47 | 18.59 | 18.41 | 18.53 | 19.5 | 0 |
| 20 | HQAM | 50 | 24 | 18.37 | 18.47 | 18.41 | 18.36 | | |
| 20 | HQAM | 50 | 49 | 18.44 | 18.46 | 18.42 | 18.47 | | |
| 20 | HQAM | 100 | 0 | 18.40 | 18.49 | 18.45 | 18.45 | | |
| 20 | HQAM | 1 | 49 | 18.61 | 18.61 | 18.52 | 18.55 | 19.5 | 0 |
| 20 | HQAM | 1 | 99 | 18.41 | 18.52 | 18.44 | 18.56 | | |
| 20 | HQAM | 50 | 0 | 18.39 | 18.57 | 18.41 | 18.48 | | |
| 20 | HQAM | 50 | 24 | 18.28 | 18.58 | 18.47 | 18.52 | 19.5 | 0 |
| 20 | HQAM | 50 | 49 | 18.40 | 18.56 | 18.41 | 18.58 | | |
| 20 | HQAM | 100 | 0 | 18.45 | 18.52 | 18.34 | 18.51 | | |
| 20 | ZSSBAM | 1 | 0 | 18.32 | 18.47 | 18.36 | 18.41 | 19.5 | 0 |
| 20 | ZSSBAM | 1 | 49 | 18.36 | 18.38 | 18.29 | 18.25 | | |
| 20 | ZSSBAM | 1 | 99 | 18.33 | 18.36 | 18.24 | 18.36 | | |
| 20 | ZSSBAM | 50 | 0 | 18.49 | 18.49 | 18.37 | 18.42 | | |
| 20 | ZSSBAM | 50 | 24 | 18.15 | 18.29 | 18.26 | 18.22 | 19.5 | 0 |
| 20 | ZSSBAM | 50 | 49 | 18.19 | 18.31 | 18.27 | 18.18 | | |
| 20 | ZSSBAM | 100 | 0 | 18.25 | 18.29 | 18.20 | 18.25 | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56930 | 56950 | 56950 | Tune-up Int (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 0 | 18.57 | 18.60 | 18.52 | 19.5 | 0 | |
| 15 | QPSK | 1 | 37 | 18.48 | 18.51 | 18.37 | 18.46 | 19.5 | 0 |
| 15 | QPSK | 1 | 74 | 18.37 | 18.53 | 18.42 | 18.40 | | |
| 15 | QPSK | 36 | 0 | 18.62 | 18.62 | 18.49 | 18.45 | | |
| 15 | QPSK | 36 | 20 | 18.41 | 18.59 | 18.38 | 18.57 | 19.5 | 0 |
| 15 | QPSK | 36 | 37 | 18.42 | 18.59 | 18.24 | 18.42 | | |
| 15 | QPSK | 75 | 0 | 18.61 | 18.60 | 18.48 | 18.52 | | |
| 15 | HQAM | 1 | 0 | 18.40 | 18.54 | | | | |



DSI 4 Power for WWAN Main PA

| GSM850 Ant0 Default | | | | | | | | |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| TX Channel | 824.2 | 836.4 | 848.8 | 34.00 | 824.2 | 836.4 | 848.8 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 34.00 | 824.2 | 836.4 | 848.8 | 25.00 |
| GSM 1 Tx slot | 32.93 | 33.09 | 33.05 | 34.00 | 23.93 | 24.09 | 24.05 | 25.00 |
| GPRS 1 Tx slot | 32.97 | 33.13 | 33.07 | 34.00 | 23.97 | 24.13 | 24.07 | 25.00 |
| GPRS 2 Tx slots | 30.09 | 30.12 | 30.04 | 31.00 | 24.09 | 24.12 | 24.04 | 25.00 |
| GPRS 3 Tx slots | 28.23 | 28.34 | 28.15 | 29.20 | 23.97 | 24.08 | 23.93 | 24.94 |
| GPRS 4 Tx slots | 28.91 | 28.95 | 28.88 | 29.00 | 23.91 | 23.95 | 23.88 | 25.00 |
| EDGE 1 Tx slot | 27.01 | 27.13 | 27.08 | 28.00 | 18.01 | 18.13 | 18.08 | 19.00 |
| EDGE 2 Tx slots | 24.17 | 24.25 | 24.10 | 25.00 | 18.17 | 18.25 | 18.10 | 19.00 |
| EDGE 3 Tx slots | 22.31 | 22.41 | 22.28 | 23.20 | 18.05 | 18.15 | 18.02 | 18.94 |
| EDGE 4 Tx slots | 21.12 | 21.17 | 21.04 | 22.00 | 18.12 | 18.17 | 18.04 | 19.00 |

| WCDMA V Ant0 Default | | | | | |
|----------------------|-------------------------|-------|-------|---------------------|-------|
| Band | WCDMA V | | | Tune-up Limit (dBm) | |
| | 4192 | 4192 | 4233 | | |
| TX Channel | 4357 | 4407 | 4453 | | |
| Rx Channel | 4357 | 4407 | 4453 | | |
| Frequency (MHz) | 826.4 | 836.4 | 846.6 | | |
| 3GPP Rel 99 | AMR 12.2kbps | 23.98 | 24.11 | 24.08 | 25.00 |
| 3GPP Rel 99 | RMC 12.2kbps | 24.04 | 24.16 | 24.13 | 25.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 23.15 | 23.15 | 23.11 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 23.09 | 23.15 | 23.07 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 22.54 | 22.69 | 22.61 | 23.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 22.56 | 22.63 | 22.57 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 23.03 | 23.14 | 23.10 | 24.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 23.04 | 23.14 | 23.06 | 24.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 22.45 | 22.60 | 22.53 | 23.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 22.43 | 22.58 | 22.50 | 23.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 22.98 | 23.03 | 23.05 | 24.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 21.08 | 21.21 | 21.06 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 22.09 | 22.26 | 22.21 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 21.06 | 21.11 | 21.03 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 23.02 | 23.11 | 23.05 | 24.00 |
| 3GPP Rel 7 | HSPA+ (10QAM) Subtest-1 | 20.57 | 20.76 | 20.64 | 21.50 |



| Band 5 Main PA Ant0 | | | | | | | | | | |
|---------------------|------------|---------|-----------|----------------------|-----------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power Mid Ch / Freq. | Turn-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.45 | 24.56 | 24.55 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 24.45 | 24.48 | 24.43 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.35 | 24.52 | 24.34 | 25.5 | 0 | | |
| 10 | QPSK | 25 | 0 | 23.48 | 23.59 | 23.54 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 23.43 | 23.47 | 23.50 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.50 | 23.40 | 24.5 | 1 | | |
| 10 | QPSK | 50 | 0 | 23.43 | 23.54 | 23.47 | 25.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 23.79 | 23.84 | 23.79 | 26.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 23.72 | 23.71 | 23.68 | 26.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 23.68 | 23.73 | 23.69 | 26.5 | 1 | | |
| 10 | 16QAM | 25 | 0 | 22.39 | 22.52 | 22.41 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 22.37 | 22.48 | 22.33 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 22.36 | 22.44 | 22.34 | 23.5 | 2 | | |
| 10 | 16QAM | 50 | 0 | 22.30 | 22.46 | 22.31 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 0 | 22.69 | 22.68 | 22.58 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 22.69 | 22.69 | 22.61 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 22.61 | 22.67 | 22.44 | 23.5 | 2 | | |
| 10 | 64QAM | 25 | 0 | 21.38 | 21.46 | 21.39 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 21.32 | 21.48 | 21.38 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 21.28 | 21.37 | 21.36 | 22.5 | 3 | | |
| 10 | 64QAM | 50 | 0 | 21.23 | 21.51 | 21.28 | 22.5 | 3 | | |
| 10 | 256QAM | 1 | 0 | 19.44 | 19.56 | 19.41 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 19.38 | 19.56 | 19.43 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 19.38 | 19.56 | 19.44 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 0 | 19.28 | 19.36 | 19.27 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 19.24 | 19.49 | 19.24 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 19.34 | 19.40 | 19.34 | 20.5 | 5 | | |
| 10 | 256QAM | 50 | 0 | 19.43 | 19.49 | 19.43 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.32 | 24.52 | 24.41 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 24.31 | 24.43 | 24.40 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 24.29 | 24.40 | 24.22 | 25.5 | 0 | | |
| 5 | QPSK | 12 | 0 | 23.36 | 23.53 | 23.45 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 23.39 | 23.36 | 23.38 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 23.20 | 23.37 | 23.26 | 24.5 | 1 | | |
| 5 | QPSK | 25 | 0 | 23.36 | 23.48 | 23.38 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 23.76 | 23.79 | 23.72 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 23.69 | 23.80 | 23.54 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 23.58 | 23.81 | 23.61 | 24.5 | 1 | | |
| 5 | 16QAM | 12 | 0 | 22.29 | 22.44 | 22.32 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 22.27 | 22.39 | 22.27 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 22.30 | 22.27 | 22.27 | 23.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 22.27 | 22.38 | 22.20 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 0 | 22.48 | 22.81 | 22.53 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 22.46 | 22.82 | 22.42 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 22.44 | 22.82 | 22.35 | 23.5 | 2 | | |
| 5 | 64QAM | 12 | 0 | 21.33 | 21.34 | 21.33 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 21.36 | 21.41 | 21.28 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 21.19 | 21.25 | 21.25 | 22.5 | 3 | | |
| 5 | 64QAM | 25 | 0 | 21.14 | 21.48 | 21.14 | 22.5 | 3 | | |
| 5 | 256QAM | 1 | 0 | 19.38 | 19.51 | 19.28 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.57 | 19.31 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.51 | 19.36 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 0 | 19.28 | 19.36 | 19.27 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 19.20 | 19.34 | 19.19 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 19.31 | 19.29 | 19.27 | 20.5 | 5 | | |
| 5 | 256QAM | 25 | 0 | 19.33 | 19.43 | 19.29 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.17 | 24.59 | 24.47 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 24.35 | 24.43 | 24.29 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 24.22 | 24.45 | 24.29 | 25.5 | 0 | | |
| 3 | QPSK | 8 | 0 | 23.37 | 23.51 | 23.41 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 23.35 | 23.38 | 23.41 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 23.26 | 23.47 | 23.26 | 24.5 | 1 | | |
| 3 | QPSK | 16 | 0 | 23.36 | 23.44 | 23.38 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 0 | 23.70 | 23.71 | 23.68 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 23.68 | 23.68 | 23.64 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 14 | 23.60 | 23.66 | 23.62 | 24.5 | 1 | | |
| 3 | 16QAM | 8 | 0 | 22.29 | 22.42 | 22.37 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 4 | 22.32 | 22.42 | 22.20 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 7 | 22.30 | 22.38 | 22.24 | 23.5 | 2 | | |
| 3 | 16QAM | 15 | 0 | 22.17 | 22.34 | 22.17 | 23.5 | 2 | | |
| 3 | 64QAM | 1 | 0 | 22.66 | 22.83 | 22.63 | 23.5 | 2 | | |
| 3 | 64QAM | 1 | 8 | 22.44 | 22.54 | 22.40 | 23.5 | 2 | | |
| 3 | 64QAM | 1 | 14 | 22.44 | 22.35 | 22.40 | 23.5 | 2 | | |
| 3 | 64QAM | 8 | 0 | 21.25 | 21.41 | 21.36 | 22.5 | 3 | | |
| 3 | 64QAM | 8 | 4 | 21.24 | 21.35 | 21.15 | 22.5 | 3 | | |
| 3 | 64QAM | 8 | 7 | 21.17 | 21.27 | 21.27 | 22.5 | 3 | | |
| 3 | 256QAM | 1 | 0 | 19.35 | 19.47 | 19.28 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 8 | 19.27 | 19.54 | 19.33 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 14 | 19.34 | 19.43 | 19.33 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 0 | 19.27 | 19.32 | 19.22 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 4 | 19.12 | 19.39 | 19.18 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 7 | 19.30 | 19.36 | 19.30 | 20.5 | 5 | | |
| 3 | 256QAM | 15 | 0 | 19.35 | 19.46 | 19.35 | 20.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.34 | 24.42 | 24.43 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 24.30 | 24.41 | 24.37 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 5 | 24.31 | 24.48 | 24.26 | 25.5 | 0 | | |
| 1.4 | QPSK | 3 | 0 | 24.38 | 24.42 | 24.27 | 25.5 | 0 | | |
| 1.4 | QPSK | 3 | 1 | 24.36 | 24.41 | 24.36 | 25.5 | 0 | | |
| 1.4 | QPSK | 3 | 3 | 24.20 | 24.45 | 24.23 | 24.5 | 1 | | |
| 1.4 | QPSK | 6 | 0 | 23.42 | 23.50 | 23.41 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 0 | 23.39 | 23.39 | 23.35 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 3 | 23.21 | 23.40 | 23.35 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 5 | 23.36 | 23.39 | 23.32 | 24.5 | 1 | | |
| 1.4 | 16QAM | 3 | 0 | 23.72 | 23.76 | 23.70 | 24.5 | 1 | | |
| 1.4 | 16QAM | 3 | 1 | 23.66 | 23.67 | 23.64 | 24.5 | 1 | | |
| 1.4 | 16QAM | 3 | 3 | 23.62 | 23.67 | 23.63 | 24.5 | 1 | | |
| 1.4 | 16QAM | 6 | 0 | 22.24 | 22.46 | 22.38 | 23.5 | 2 | | |
| 1.4 | 16QAM | 1 | 0 | 22.28 | 22.36 | 22.26 | 23.5 | 2 | | |
| 1.4 | 16QAM | 1 | 3 | 22.29 | 22.36 | 22.28 | 23.5 | 2 | | |
| 1.4 | 64QAM | 1 | 5 | 22.26 | 22.38 | 22.23 | 23.5 | 2 | | |
| 1.4 | 64QAM | 3 | 0 | 22.46 | 22.60 | 22.44 | 23.5 | 2 | | |
| 1.4 | 64QAM | 3 | 1 | 22.41 | 22.61 | 22.45 | 23.5 | 2 | | |
| 1.4 | 64QAM | 3 | 3 | 22.39 | 22.60 | 22.34 | 23.5 | 2 | | |
| 1.4 | 256QAM | 1 | 0 | 21.26 | 21.34 | 21.29 | 22.5 | 3 | | |
| 1.4 | 256QAM | 1 | 0 | 19.32 | 19.49 | 19.27 | 20.5 | 5 | | |
| 1.4 | 256QAM | 1 | 3 | 19.28 | 19.40 | 19.37 | 20.5 | 5 | | |
| 1.4 | 256QAM | 1 | 5 | 19.34 | 19.46 | 19.29 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 0 | 19.23 | 19.34 | 19.27 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 1 | 19.17 | 19.35 | 19.11 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 3 | 19.29 | 19.39 | 19.21 | 20.5 | 5 | | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.30 | 20.5 | 5 | | |

| Band 13 Main PA Ant0 | | | | | | | | | | |
|----------------------|------------|---------|-----------|----------------------|-----------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power High Ch / Freq. | Power Mid Ch / Freq. | Turn-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.54 | 24.54 | 24.54 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 24.53 | 24.53 | 24.53 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.52 | 24.52 | 24.52 | 25.5 | 0 | | |
| 10 | QPSK | 25 | 0 | 23.56 | 23.56 | 23.56 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 23.55 | 23.55 | 23.55 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.55 | 23.55 | 23.55 | 24.5 | 1 | | |
| 10 | QPSK | 50 | 0 | 23.56 | 23.56 | 23.56 | 25.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 23.86 | 23.86 | 23.86 | 26.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 23.81 | 23.81 | 23.81 | 26.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 23.79 | 23.79 | 23.79 | 26.5 | 1 | | |
| 10 | 16QAM | | | | | | | | | |



| Band 26 Main PA Ant0 | | | | | | | | | |
|----------------------|------------|---------|-----------|---------------------|----------------------|---------------------|--------------------|----------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Mid Ch./Freq. | Turn-up limit (dB) | APR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 821.5 | 831.8 | 841.5 | | | |
| 15 | QPSK | 1 | 0 | 24.52 | 24.58 | 24.49 | 25.5 | 0 | |
| 15 | QPSK | 1 | 31 | 24.42 | 24.51 | 24.43 | | | |
| 15 | QPSK | 1 | 74 | 24.41 | 24.53 | 24.47 | | | |
| 15 | QPSK | 36 | 0 | 23.48 | 23.63 | 23.52 | 24.5 | 1 | |
| 15 | QPSK | 36 | 20 | 23.43 | 23.55 | 23.51 | | | |
| 15 | QPSK | 36 | 39 | 23.52 | 23.60 | 23.51 | | | |
| 15 | QPSK | 75 | 0 | 23.54 | 23.57 | 23.47 | | | |
| 15 | 16QAM | 1 | 0 | 23.48 | 23.56 | 23.45 | 24.5 | 1 | |
| 15 | 16QAM | 1 | 37 | 23.35 | 23.51 | 23.37 | | | |
| 15 | 16QAM | 1 | 74 | 23.42 | 23.54 | 23.47 | | | |
| 15 | 16QAM | 36 | 0 | 22.42 | 22.47 | 22.42 | 23.5 | 2 | |
| 15 | 16QAM | 36 | 20 | 22.45 | 22.50 | 22.52 | | | |
| 15 | 16QAM | 36 | 39 | 22.53 | 22.57 | 22.43 | | | |
| 15 | 16QAM | 75 | 0 | 22.50 | 22.54 | 22.49 | | | |
| 15 | 64QAM | 1 | 0 | 22.59 | 22.70 | 22.58 | 23.5 | 2 | |
| 15 | 64QAM | 1 | 37 | 22.63 | 22.68 | 22.54 | | | |
| 15 | 64QAM | 1 | 74 | 22.63 | 22.66 | 22.50 | | | |
| 15 | 64QAM | 36 | 0 | 21.25 | 21.37 | 21.34 | 22.5 | 3 | |
| 15 | 64QAM | 36 | 20 | 21.41 | 21.55 | 21.43 | | | |
| 15 | 64QAM | 36 | 39 | 21.45 | 21.53 | 21.44 | | | |
| 15 | 64QAM | 75 | 0 | 21.41 | 21.54 | 21.43 | | | |
| 15 | 256QAM | 1 | 0 | 19.58 | 19.69 | 19.61 | 20.5 | 5 | |
| 15 | 256QAM | 1 | 37 | 19.42 | 19.57 | 19.49 | | | |
| 15 | 256QAM | 1 | 74 | 19.60 | 19.74 | 19.69 | | | |
| 15 | 256QAM | 36 | 0 | 19.35 | 19.42 | 19.38 | 20.5 | 5 | |
| 15 | 256QAM | 36 | 20 | 19.48 | 19.52 | 19.43 | | | |
| 15 | 256QAM | 36 | 39 | 19.46 | 19.55 | 19.50 | | | |
| 15 | 256QAM | 75 | 0 | 19.38 | 19.51 | 19.47 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 819 | 831.8 | 844 | | | APR (dB) |
| 10 | QPSK | 1 | 0 | 24.42 | 24.44 | 24.36 | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.39 | 24.46 | 24.31 | | | |
| 10 | QPSK | 1 | 49 | 24.28 | 24.42 | 24.42 | | | |
| 10 | QPSK | 25 | 0 | 23.43 | 23.52 | 23.46 | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 23.29 | 23.45 | 23.40 | | | |
| 10 | QPSK | 25 | 25 | 23.48 | 23.48 | 23.47 | | | |
| 10 | QPSK | 50 | 0 | 23.42 | 23.49 | 23.43 | | | |
| 10 | 16QAM | 1 | 0 | 23.41 | 23.49 | 23.39 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 25 | 23.33 | 23.47 | 23.31 | | | |
| 10 | 16QAM | 1 | 49 | 23.35 | 23.51 | 23.44 | | | |
| 10 | 16QAM | 25 | 0 | 22.36 | 22.51 | 22.38 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 12 | 22.35 | 22.56 | 22.42 | | | |
| 10 | 16QAM | 25 | 25 | 22.48 | 22.44 | 22.38 | | | |
| 10 | 16QAM | 50 | 0 | 22.36 | 22.45 | 22.35 | | | |
| 10 | 64QAM | 1 | 0 | 22.51 | 22.58 | 22.52 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 25 | 22.50 | 22.56 | 22.45 | | | |
| 10 | 64QAM | 1 | 49 | 22.63 | 22.61 | 22.54 | | | |
| 10 | 64QAM | 25 | 0 | 21.18 | 21.31 | 21.25 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 12 | 21.32 | 21.53 | 21.37 | | | |
| 10 | 64QAM | 25 | 25 | 21.32 | 21.33 | 21.34 | | | |
| 10 | 64QAM | 50 | 0 | 21.34 | 21.50 | 21.53 | | | |
| 10 | 256QAM | 1 | 0 | 19.45 | 19.53 | 19.50 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 25 | 19.32 | 19.42 | 19.42 | | | |
| 10 | 256QAM | 1 | 49 | 19.54 | 19.65 | 19.58 | | | |
| 10 | 256QAM | 25 | 0 | 19.36 | 19.26 | 19.33 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 12 | 19.43 | 19.41 | 19.29 | | | |
| 10 | 256QAM | 25 | 25 | 19.39 | 19.48 | 19.36 | | | |
| 10 | 256QAM | 50 | 0 | 19.28 | 19.40 | 19.38 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 816.5 | 831.8 | 846.5 | | | APR (dB) |
| 5 | QPSK | 1 | 0 | 24.44 | 24.46 | 24.38 | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.32 | 24.38 | 24.25 | | | |
| 5 | QPSK | 1 | 24 | 24.34 | 24.45 | 24.39 | | | |
| 5 | QPSK | 12 | 0 | 23.46 | 23.57 | 23.48 | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.28 | 23.45 | 23.45 | | | |
| 5 | QPSK | 12 | 13 | 23.48 | 23.53 | 23.38 | | | |
| 5 | QPSK | 25 | 0 | 23.42 | 23.47 | 23.38 | | | |
| 5 | 16QAM | 1 | 0 | 23.41 | 23.44 | 23.33 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 12 | 23.21 | 23.44 | 23.22 | | | |
| 5 | 16QAM | 1 | 24 | 23.37 | 23.46 | 23.34 | | | |
| 5 | 16QAM | 12 | 0 | 22.34 | 22.44 | 22.34 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 7 | 22.35 | 22.55 | 22.42 | | | |
| 5 | 16QAM | 12 | 13 | 22.47 | 22.46 | 22.38 | | | |
| 5 | 16QAM | 25 | 0 | 22.38 | 22.39 | 22.45 | | | |
| 5 | 64QAM | 1 | 0 | 22.54 | 22.59 | 22.53 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 12 | 22.56 | 22.54 | 22.46 | | | |
| 5 | 64QAM | 1 | 24 | 22.62 | 22.69 | 22.76 | | | |
| 5 | 64QAM | 12 | 0 | 21.20 | 21.30 | 21.21 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 7 | 21.31 | 21.43 | 21.37 | | | |
| 5 | 64QAM | 12 | 13 | 21.38 | 21.42 | 21.37 | | | |
| 5 | 64QAM | 25 | 0 | 21.27 | 21.49 | 21.59 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.51 | 19.45 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 19.29 | 19.53 | 19.36 | | | |
| 5 | 256QAM | 1 | 24 | 19.54 | 19.66 | 19.55 | | | |
| 5 | 256QAM | 12 | 0 | 19.24 | 19.31 | 19.29 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.36 | 19.41 | 19.37 | | | |
| 5 | 256QAM | 12 | 13 | 19.35 | 19.42 | 19.43 | | | |
| 5 | 256QAM | 25 | 0 | 19.32 | 19.38 | 19.38 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 817.5 | 831.8 | 847.5 | | | APR (dB) |
| 3 | QPSK | 1 | 0 | 24.42 | 24.42 | 24.37 | 25.5 | 0 | |
| 3 | QPSK | 1 | 8 | 24.37 | 24.42 | 24.32 | | | |
| 3 | QPSK | 1 | 14 | 24.34 | 24.45 | 24.43 | | | |
| 3 | QPSK | 8 | 0 | 23.34 | 23.51 | 23.43 | 24.5 | 1 | |
| 3 | QPSK | 8 | 4 | 23.29 | 23.45 | 23.36 | | | |
| 3 | QPSK | 8 | 7 | 23.37 | 23.46 | 23.43 | | | |
| 3 | QPSK | 15 | 0 | 23.46 | 23.52 | 23.42 | | | |
| 3 | 16QAM | 1 | 0 | 23.44 | 23.52 | 23.37 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 8 | 23.27 | 23.45 | 23.31 | | | |
| 3 | 16QAM | 1 | 14 | 23.30 | 23.45 | 23.36 | | | |
| 3 | 16QAM | 8 | 0 | 22.34 | 22.42 | 22.32 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 4 | 22.42 | 22.64 | 22.42 | | | |
| 3 | 16QAM | 8 | 7 | 22.43 | 22.53 | 22.38 | | | |
| 3 | 64QAM | 1 | 0 | 22.46 | 22.57 | 22.44 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 8 | 22.48 | 22.61 | 22.50 | | | |
| 3 | 64QAM | 1 | 14 | 22.79 | 22.86 | 22.76 | | | |
| 3 | 64QAM | 8 | 0 | 21.13 | 21.28 | 21.21 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 4 | 21.37 | 21.45 | 21.38 | | | |
| 3 | 64QAM | 8 | 7 | 21.36 | 21.38 | 21.34 | | | |
| 3 | 64QAM | 15 | 0 | 21.28 | 21.45 | 21.36 | | | |
| 3 | 256QAM | 1 | 0 | 19.43 | 19.56 | 19.55 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 8 | 19.30 | 19.45 | 19.39 | | | |
| 3 | 256QAM | 1 | 14 | 19.46 | 19.71 | 19.61 | | | |
| 3 | 256QAM | 8 | 0 | 19.26 | 19.36 | 19.35 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 4 | 19.38 | 19.39 | 19.29 | | | |
| 3 | 256QAM | 8 | 7 | 19.34 | 19.32 | 19.40 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.45 | 19.43 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 816.7 | 831.8 | 847.3 | | | APR (dB) |
| 1.4 | QPSK | 1 | 0 | 24.44 | 24.54 | 24.45 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.26 | | | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.50 | 24.41 | | | |
| 1.4 | QPSK | 3 | 0 | 24.41 | 24.45 | 24.44 | 24.5 | 1 | |
| 1.4 | QPSK | 3 | 1 | 24.37 | 24.45 | 24.48 | | | |
| 1.4 | QPSK | 3 | 3 | 24.34 | 24.39 | 24.34 | | | |
| 1.4 | QPSK | 6 | 0 | 23.34 | 23.59 | 23.48 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 0 | 23.33 | 23.43 | 23.35 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.42 | 23.45 | 23.36 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 5 | 23.47 | 23.54 | 23.34 | | | |
| 1.4 | 16QAM | 3 | 0 | 23.38 | 23.42 | 23.40 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.24 | 23.43 | 23.32 | 23.5 | 2 | |
| 1.4 | 16QAM | 3 | 3 | 23.30 | 23.45 | 23.40 | | | |
| 1.4 | 64QAM | 1 | 0 | 22.38 | 22.40 | 22.32 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 3 | 22.35 | 22.49 | 22.41 | | | |
| 1.4 | 64QAM | 1 | 5 | 22.43 | 22.47 | 22.30 | | | |
| 1.4 | 64QAM | 3 | 0 | 22.43 | 22.48 | 22.38 | 23.5 | 2 | |
| 1.4 | 64QAM | 3 | 1 | 22.50 | 22.59 | 22.49 | | | |
| 1.4 | 64QAM | 3 | 3 | 22.50 | 22.56 | 22.47 | | | |
| 1.4 | 64QAM | 6 | 0 | 21.35 | 21.47 | 21.40 | 22.5 | 3 | |
| 1 | | | | | | | | | |



| GSM850 Ant1 DS4 | | | | | | | | |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 32.50 | 22.11 | 22.21 | 22.17 | 23.50 |
| GSM 1 Tx slot | 31.11 | 31.21 | 31.17 | 32.50 | 22.11 | 22.21 | 22.17 | 23.50 |
| GPRS 1 Tx slot | 31.15 | 31.23 | 31.20 | 32.50 | 22.15 | 22.23 | 22.20 | 23.50 |
| GPRS 2 Tx slots | 27.89 | 28.11 | 28.03 | 29.50 | 21.89 | 22.11 | 22.03 | 23.50 |
| GPRS 3 Tx slots | 26.22 | 26.33 | 26.35 | 27.50 | 21.96 | 22.07 | 22.09 | 23.24 |
| GPRS 4 Tx slots | 24.80 | 24.88 | 24.95 | 26.50 | 21.80 | 21.98 | 21.95 | 23.50 |
| EDGE 1 Tx slot | 25.05 | 25.12 | 25.00 | 26.50 | 16.05 | 16.12 | 16.00 | 17.50 |
| EDGE 2 Tx slots | 22.22 | 22.23 | 22.18 | 23.50 | 16.22 | 16.23 | 16.18 | 17.50 |
| EDGE 3 Tx slots | 20.44 | 20.49 | 20.45 | 21.70 | 16.18 | 16.23 | 16.19 | 17.44 |
| EDGE 4 Tx slots | 19.28 | 19.27 | 19.26 | 20.50 | 16.28 | 16.27 | 16.26 | 17.50 |

| GSM1900 Ant1 DS4 | | | | | | | | |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|-------|---------------------------|
| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 24.00 | 13.38 | 13.45 | 13.38 | 15.00 |
| GSM 1 Tx slot | 22.38 | 22.45 | 22.38 | 24.00 | 13.38 | 13.45 | 13.38 | 15.00 |
| GPRS 1 Tx slot | 22.39 | 22.49 | 22.41 | 24.00 | 13.39 | 13.49 | 13.41 | 15.00 |
| GPRS 2 Tx slots | 19.53 | 19.61 | 19.54 | 21.00 | 13.53 | 13.61 | 13.54 | 15.00 |
| GPRS 3 Tx slots | 17.87 | 17.93 | 17.92 | 19.20 | 13.61 | 13.67 | 13.66 | 14.94 |
| GPRS 4 Tx slots | 16.46 | 16.53 | 16.34 | 18.00 | 13.46 | 13.53 | 13.34 | 15.00 |
| EDGE 1 Tx slot | 18.39 | 18.56 | 18.41 | 20.00 | 9.39 | 9.56 | 9.41 | 11.00 |
| EDGE 2 Tx slots | 15.82 | 15.90 | 15.80 | 17.00 | 9.82 | 9.90 | 9.80 | 11.00 |
| EDGE 3 Tx slots | 13.67 | 13.70 | 13.58 | 15.20 | 9.41 | 9.44 | 9.32 | 10.94 |
| EDGE 4 Tx slots | 12.67 | 12.88 | 12.80 | 14.00 | 9.67 | 9.88 | 9.80 | 11.00 |

| Band | WCDMA II Ant1 DS4 | | | | WCDMA IV Ant1 DS4 | | | | WCDMA V Ant1 DS4 | | | | Tune-up Limit (dBm) |
|-------------|-------------------------|-------|-------|-------|-------------------|-------|-------|-------|------------------|-------|-------|-------|---------------------------|
| | 9262 | 9400 | 9538 | 16.50 | 1312 | 1413 | 1513 | 16.50 | 4132 | 4182 | 4233 | 16.50 | |
| 3GPP Rel 99 | AMR 12.2kbps | 15.63 | 15.67 | 15.58 | 17.50 | 17.03 | 17.20 | 17.03 | 19.00 | 21.83 | 21.79 | 21.77 | 23.50 |
| 3GPP Rel 99 | RMC 12.2kbps | 15.57 | 15.68 | 15.66 | 17.50 | 17.12 | 17.26 | 17.24 | 19.00 | 21.73 | 21.93 | 21.90 | 23.50 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 14.59 | 14.81 | 14.65 | 16.50 | 16.15 | 16.28 | 16.29 | 18.00 | 20.94 | 20.77 | 20.73 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 14.52 | 14.78 | 14.73 | 16.50 | 16.13 | 16.20 | 16.06 | 18.00 | 20.65 | 20.84 | 20.72 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 14.24 | 14.17 | 14.14 | 16.00 | 15.60 | 15.67 | 15.74 | 17.50 | 20.21 | 20.39 | 20.35 | 22.00 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 14.20 | 14.23 | 14.21 | 16.00 | 15.52 | 15.65 | 15.62 | 17.50 | 20.19 | 20.38 | 20.37 | 22.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 14.65 | 14.66 | 14.71 | 16.50 | 16.10 | 16.25 | 16.01 | 18.00 | 20.89 | 20.88 | 20.80 | 22.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 14.72 | 14.76 | 14.67 | 16.50 | 16.05 | 16.02 | 16.03 | 18.00 | 20.77 | 20.75 | 20.77 | 22.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 14.03 | 14.09 | 14.21 | 16.00 | 15.63 | 15.67 | 16.01 | 17.50 | 20.19 | 20.26 | 20.19 | 22.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 14.19 | 14.32 | 14.14 | 16.00 | 15.56 | 15.53 | 15.53 | 17.50 | 20.07 | 20.30 | 20.30 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 14.73 | 14.54 | 14.61 | 16.50 | 16.08 | 16.10 | 16.03 | 18.00 | 20.59 | 20.66 | 20.66 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 12.68 | 12.59 | 12.69 | 14.50 | 14.07 | 14.10 | 14.14 | 16.00 | 18.75 | 18.96 | 18.97 | 20.50 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 13.69 | 13.85 | 13.83 | 15.50 | 15.03 | 15.23 | 15.18 | 17.00 | 19.83 | 20.02 | 19.82 | 21.50 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 12.57 | 12.66 | 12.71 | 14.50 | 13.95 | 14.00 | 14.04 | 16.00 | 18.59 | 18.82 | 18.86 | 20.50 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 14.53 | 14.73 | 14.69 | 16.50 | 16.07 | 16.02 | 16.15 | 18.00 | 20.56 | 20.74 | 20.68 | 22.50 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 12.33 | 12.38 | 12.18 | 14.00 | 13.57 | 13.61 | 13.63 | 15.50 | 18.37 | 18.61 | 18.46 | 20.00 |



| Band 4 Main PA Ant1 DS14 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 14.46 | 14.42 | 14.37 | | | | |
| 20 | QPSK | 1 | 49 | 14.47 | 14.43 | 14.38 | 16 | 0 | | |
| 20 | QPSK | 1 | 99 | 14.14 | 14.28 | 14.36 | | | | |
| 20 | QPSK | 50 | 0 | 14.28 | 14.35 | 14.23 | | | | |
| 20 | QPSK | 50 | 24 | 14.30 | 14.21 | 14.28 | | | | |
| 20 | QPSK | 50 | 50 | 14.23 | 14.31 | 14.28 | | | | |
| 20 | QPSK | 100 | 0 | 14.28 | 14.35 | 14.29 | | | | |
| 20 | QPSK | 100 | 0 | 14.42 | 14.45 | 14.27 | | | | |
| 20 | 16QAM | 1 | 49 | 14.12 | 14.39 | 14.28 | 16 | 0 | | |
| 20 | 16QAM | 1 | 99 | 14.29 | 14.25 | 14.09 | | | | |
| 20 | 16QAM | 50 | 0 | 14.47 | 14.39 | 14.33 | | | | |
| 20 | 16QAM | 50 | 24 | 14.30 | 14.17 | 14.13 | | | | |
| 20 | 16QAM | 50 | 50 | 14.10 | 14.41 | 14.21 | | | | |
| 20 | 16QAM | 100 | 0 | 14.30 | 14.13 | 14.13 | | | | |
| 20 | 16QAM | 1 | 0 | 14.30 | 14.43 | 14.11 | | | | |
| 20 | 16QAM | 1 | 49 | 14.29 | 14.23 | 14.52 | 16 | 0 | | |
| 20 | 16QAM | 50 | 0 | 14.28 | 14.22 | 14.14 | | | | |
| 20 | 16QAM | 50 | 24 | 14.18 | 14.23 | 14.39 | | | | |
| 20 | 16QAM | 50 | 50 | 14.36 | 14.29 | 14.21 | | | | |
| 20 | 16QAM | 100 | 0 | 14.09 | 14.23 | 14.08 | | | | |
| 20 | 256QAM | 1 | 49 | 14.23 | 14.31 | 14.13 | 16 | 0 | | |
| 20 | 256QAM | 1 | 99 | 14.26 | 14.14 | 14.25 | | | | |
| 20 | 256QAM | 50 | 0 | 14.17 | 14.21 | 14.08 | | | | |
| 20 | 256QAM | 50 | 24 | 14.23 | 14.24 | 14.18 | | | | |
| 20 | 256QAM | 50 | 50 | 14.39 | 14.40 | 14.14 | | | | |
| 20 | 256QAM | 100 | 0 | 14.18 | 14.23 | 14.17 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 14.33 | 14.47 | 14.44 | | | | |
| 15 | QPSK | 1 | 37 | 14.43 | 14.46 | 14.28 | | | | |
| 15 | QPSK | 1 | 74 | 14.23 | 14.37 | 14.27 | | | | |
| 15 | QPSK | 36 | 0 | 14.00 | 14.46 | 14.12 | | | | |
| 15 | QPSK | 36 | 25 | 14.10 | 14.20 | 14.24 | | | | |
| 15 | QPSK | 36 | 39 | 14.12 | 14.11 | 14.16 | | | | |
| 15 | QPSK | 75 | 0 | 14.11 | 14.28 | 14.21 | | | | |
| 15 | 16QAM | 1 | 0 | 14.28 | 14.23 | | | | | |
| 15 | 16QAM | 1 | 37 | 14.22 | 14.40 | 14.21 | 16 | 0 | | |
| 15 | 16QAM | 1 | 74 | 14.17 | 14.21 | 14.08 | | | | |
| 15 | 16QAM | 36 | 0 | 14.40 | 14.18 | 14.19 | | | | |
| 15 | 16QAM | 36 | 29 | 14.21 | 14.22 | 14.10 | | | | |
| 15 | 16QAM | 36 | 39 | 14.20 | 14.18 | 14.20 | | | | |
| 15 | 16QAM | 75 | 0 | 14.24 | 14.24 | 14.23 | | | | |
| 15 | 16QAM | 1 | 0 | 14.33 | 14.50 | 14.20 | | | | |
| 15 | 16QAM | 1 | 37 | 14.44 | 14.23 | 14.23 | | | | |
| 15 | 16QAM | 1 | 74 | 14.18 | 14.25 | 14.24 | | | | |
| 15 | 16QAM | 36 | 0 | 14.24 | 14.22 | 14.14 | | | | |
| 15 | 16QAM | 36 | 29 | 14.11 | 14.37 | 14.11 | | | | |
| 15 | 16QAM | 36 | 39 | 14.14 | 14.25 | 14.14 | | | | |
| 15 | 16QAM | 75 | 0 | 14.03 | 14.05 | 14.23 | | | | |
| 15 | 256QAM | 1 | 37 | 14.08 | 14.20 | 14.05 | | | | |
| 15 | 256QAM | 1 | 74 | 14.19 | 14.10 | 14.14 | | | | |
| 15 | 256QAM | 36 | 0 | 14.07 | 14.14 | 14.05 | | | | |
| 15 | 256QAM | 36 | 29 | 14.08 | 14.09 | 14.14 | | | | |
| 15 | 256QAM | 36 | 39 | 14.33 | 14.16 | 14.24 | | | | |
| 15 | 256QAM | 75 | 0 | 14.03 | 14.09 | 14.03 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 14.40 | 14.54 | 14.37 | | | | |
| 10 | QPSK | 1 | 25 | 14.30 | 14.39 | 14.53 | 16 | 0 | | |
| 10 | QPSK | 1 | 49 | 14.34 | 14.38 | 14.34 | | | | |
| 10 | QPSK | 12 | 0 | 14.27 | 14.35 | 14.33 | | | | |
| 10 | QPSK | 25 | 12 | 14.11 | 14.28 | 14.18 | | | | |
| 10 | QPSK | 25 | 25 | 14.28 | 14.28 | 14.16 | | | | |
| 10 | 16QAM | 1 | 0 | 14.30 | 14.20 | 14.20 | | | | |
| 10 | 16QAM | 1 | 0 | 14.22 | 14.32 | 14.37 | | | | |
| 10 | 16QAM | 1 | 24 | 14.29 | 14.28 | 14.14 | 16 | 0 | | |
| 10 | 16QAM | 1 | 49 | 14.20 | 14.18 | 14.08 | | | | |
| 10 | 16QAM | 25 | 0 | 14.31 | 14.27 | 14.39 | | | | |
| 10 | 16QAM | 25 | 12 | 14.28 | 14.08 | 14.19 | | | | |
| 10 | 16QAM | 50 | 0 | 14.20 | 14.30 | 14.20 | | | | |
| 10 | 16QAM | 50 | 0 | 14.19 | 14.05 | 14.05 | | | | |
| 10 | 16QAM | 1 | 0 | 14.47 | 14.50 | 14.03 | | | | |
| 10 | 16QAM | 1 | 24 | 14.03 | 14.29 | 14.03 | | | | |
| 10 | 16QAM | 1 | 49 | 14.21 | 14.11 | 14.23 | | | | |
| 10 | 16QAM | 25 | 0 | 14.22 | 14.21 | 14.21 | | | | |
| 10 | 16QAM | 25 | 12 | 14.25 | 14.28 | 14.20 | | | | |
| 10 | 16QAM | 50 | 0 | 14.23 | 14.17 | 14.28 | | | | |
| 10 | 16QAM | 50 | 0 | 14.23 | 14.05 | 14.20 | | | | |
| 10 | 256QAM | 1 | 24 | 14.19 | 14.21 | 14.06 | 16 | 0 | | |
| 10 | 256QAM | 1 | 49 | 14.08 | 14.17 | 14.08 | | | | |
| 10 | 256QAM | 25 | 0 | 14.14 | 14.13 | 14.05 | | | | |
| 10 | 256QAM | 25 | 12 | 14.22 | 14.14 | 14.28 | | | | |
| 10 | 256QAM | 25 | 25 | 14.15 | 14.25 | 14.23 | | | | |
| 10 | 256QAM | 50 | 0 | 14.12 | 14.08 | 14.20 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 14.40 | 14.54 | 14.37 | | | | |
| 5 | QPSK | 1 | 12 | 14.33 | 14.47 | 14.38 | 16 | 0 | | |
| 5 | QPSK | 1 | 24 | 14.36 | 14.33 | 14.15 | | | | |
| 5 | QPSK | 12 | 0 | 14.27 | 14.35 | 14.33 | | | | |
| 5 | QPSK | 12 | 7 | 14.10 | 14.26 | 14.09 | | | | |
| 5 | QPSK | 12 | 13 | 14.23 | 14.22 | 14.13 | | | | |
| 5 | QPSK | 25 | 0 | 14.23 | 14.29 | 14.12 | | | | |
| 5 | 16QAM | 1 | 0 | 14.37 | 14.32 | 14.20 | | | | |
| 5 | 16QAM | 1 | 12 | 14.33 | 14.39 | 14.33 | 16 | 0 | | |
| 5 | 16QAM | 1 | 24 | 14.15 | 14.28 | 14.21 | | | | |
| 5 | 16QAM | 12 | 0 | 14.41 | 14.31 | 14.19 | | | | |
| 5 | 16QAM | 12 | 7 | 14.26 | 14.02 | 14.23 | | | | |
| 5 | 16QAM | 12 | 13 | 14.10 | 14.49 | 14.18 | | | | |
| 5 | 16QAM | 25 | 0 | 14.11 | 14.22 | 14.07 | | | | |
| 5 | 16QAM | 1 | 0 | 14.39 | 14.46 | 14.20 | | | | |
| 5 | 16QAM | 1 | 12 | 14.46 | 14.29 | 14.20 | | | | |
| 5 | 16QAM | 1 | 24 | 14.21 | 14.32 | 14.28 | | | | |
| 5 | 16QAM | 12 | 0 | 14.18 | 14.11 | 14.15 | | | | |
| 5 | 16QAM | 12 | 7 | 14.21 | 14.16 | 14.23 | | | | |
| 5 | 16QAM | 12 | 13 | 14.21 | 14.18 | 14.15 | | | | |
| 5 | 16QAM | 25 | 0 | 14.16 | 14.05 | 14.06 | | | | |
| 5 | 16QAM | 25 | 0 | 14.16 | 14.05 | 14.02 | | | | |
| 5 | 256QAM | 1 | 12 | 14.16 | 14.22 | 14.20 | 16 | 0 | | |
| 5 | 256QAM | 1 | 24 | 14.26 | 14.20 | 14.20 | | | | |
| 5 | 256QAM | 12 | 0 | 14.25 | 14.11 | 14.22 | | | | |
| 5 | 256QAM | 12 | 7 | 14.08 | 14.09 | 14.14 | | | | |
| 5 | 256QAM | 25 | 0 | 14.19 | 14.16 | 14.24 | | | | |
| 5 | 256QAM | 25 | 0 | 14.11 | 14.24 | 14.11 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 14.58 | 14.40 | 14.49 | | | | |
| 3 | QPSK | 1 | 8 | 14.29 | 14.40 | 14.37 | 16 | 0 | | |
| 3 | QPSK | 1 | 14 | 14.34 | 14.37 | 14.16 | | | | |
| 3 | QPSK | 8 | 0 | 14.30 | 14.28 | 14.20 | | | | |
| 3 | QPSK | 8 | 4 | 14.14 | 14.26 | 14.24 | | | | |
| 3 | QPSK | 8 | 7 | 14.15 | 14.25 | 14.19 | | | | |
| 3 | QPSK | 15 | 0 | 14.05 | 14.26 | 14.15 | | | | |
| 3 | 16QAM | 1 | 0 | 14.33 | 14.21 | 14.28 | | | | |
| 3 | 16QAM | 1 | 8 | 14.18 | 14.25 | 14.21 | 16 | 0 | | |
| 3 | 16QAM | 1 | 15 | 14.17 | 14.19 | 14.24 | | | | |
| 3 | 16QAM | 8 | 0 | 14.31 | 14.42 | 14.27 | | | | |
| 3 | 16QAM | 8 | 4 | 14.09 | 14.04 | 14.15 | | | | |
| 3 | 16QAM | 8 | 7 | 14.07 | 14.29 | 14.24 | | | | |
| 3 | 16QAM | 15 | 0 | 14.07 | 14.03 | 14.09 | | | | |
| 3 | 16QAM | 1 | 0 | 14.47 | 14.43 | 14.09 | | | | |
| 3 | 16QAM | 1 | 8 | 14.34 | 14.29 | 14.14 | 16 | 0 | | |
| 3 | 16QAM | 1 | 14 | 14.11 | 14.21 | 14.06 | | | | |
| 3 | 16QAM | 8 | 0 | 14.09 | 14.31 | 14.30 | | | | |
| 3 | 16QAM | 8 | 7 | 14.30 | 14.32 | 14.20 | | | | |
| 3 | 256QAM | 1 | 0 | 14.10 | 14.01 | 14.20 | | | | |
| 3 | 256QAM | 1 | 8 | 14.25 | 14.19 | 14.03 | | | | |



| Band 13 Main PA Ant1 DS14 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./F.Freq. | Power High Ch./F.Freq. | Power Mid Ch./F.Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.47 | 23.47 | 23.47 | 25 | 0 | | |
| 10 | QPSK | 1 | 26 | 23.44 | 23.44 | 23.44 | | | | |
| 10 | QPSK | 1 | 49 | 23.28 | 23.28 | 23.28 | | | | |
| 10 | QPSK | 25 | 0 | 22.00 | 22.00 | 22.00 | 24.5 | 0.5 | | |
| 10 | QPSK | 25 | 26 | 22.04 | 22.04 | 22.04 | | | | |
| 10 | QPSK | 25 | 26 | 22.79 | 22.79 | 22.79 | | | | |
| 10 | QPSK | 50 | 0 | 22.02 | 22.02 | 22.02 | 24.5 | 0.5 | | |
| 10 | 16QAM | 1 | 26 | 22.79 | 22.79 | 22.79 | | | | |
| 10 | 16QAM | 1 | 49 | 22.75 | 22.75 | 22.75 | | | | |
| 10 | 16QAM | 1 | 26 | 21.89 | 21.89 | 21.89 | | | | |
| 10 | 16QAM | 25 | 12 | 21.81 | 21.81 | 21.81 | 23.5 | 1.5 | | |
| 10 | 16QAM | 25 | 26 | 21.85 | 21.85 | 21.85 | | | | |
| 10 | 16QAM | 50 | 0 | 21.79 | 21.79 | 21.79 | 23.5 | 1.5 | | |
| 10 | 64QAM | 1 | 0 | 22.07 | 22.07 | 22.07 | | | | |
| 10 | 64QAM | 1 | 26 | 22.01 | 22.01 | 22.01 | | | | |
| 10 | 64QAM | 1 | 49 | 21.97 | 21.97 | 21.97 | | | | |
| 10 | 64QAM | 25 | 0 | 20.87 | 20.87 | 20.87 | 22.5 | 2.5 | | |
| 10 | 64QAM | 25 | 12 | 20.76 | 20.76 | 20.76 | | | | |
| 10 | 64QAM | 25 | 26 | 20.83 | 20.83 | 20.83 | | | | |
| 10 | 64QAM | 50 | 0 | 20.75 | 20.75 | 20.75 | 20.5 | 4.5 | | |
| 10 | 256QAM | 1 | 0 | 18.94 | 18.94 | 18.94 | | | | |
| 10 | 256QAM | 1 | 26 | 18.91 | 18.91 | 18.91 | | | | |
| 10 | 256QAM | 1 | 49 | 18.88 | 18.88 | 18.88 | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.88 | 18.88 | 20.5 | 4.5 | | |
| 10 | 256QAM | 25 | 12 | 18.78 | 18.78 | 18.78 | | | | |
| 10 | 256QAM | 25 | 26 | 18.84 | 18.84 | 18.84 | | | | |
| 10 | 256QAM | 50 | 0 | 18.81 | 18.81 | 18.81 | 20.5 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.46 | 23.41 | 23.36 | 25 | 0 | | |
| 5 | QPSK | 1 | 16 | 23.23 | 23.27 | 23.37 | | | | |
| 5 | QPSK | 1 | 24 | 23.17 | 23.20 | 23.15 | | | | |
| 5 | QPSK | 12 | 0 | 22.87 | 22.78 | 22.83 | 24.5 | 0.5 | | |
| 5 | QPSK | 12 | 7 | 22.72 | 22.73 | 22.73 | | | | |
| 5 | QPSK | 12 | 13 | 22.73 | 22.72 | 22.68 | | | | |
| 5 | 16QAM | 1 | 0 | 22.74 | 22.71 | 22.78 | 24.5 | 0.5 | | |
| 5 | 16QAM | 1 | 12 | 22.65 | 22.71 | 22.72 | | | | |
| 5 | 16QAM | 1 | 24 | 22.64 | 22.68 | 22.71 | | | | |
| 5 | 16QAM | 12 | 0 | 21.78 | 21.84 | 21.78 | 23.5 | 1.5 | | |
| 5 | 16QAM | 12 | 7 | 21.69 | 21.68 | 21.74 | | | | |
| 5 | 16QAM | 12 | 13 | 21.67 | 21.68 | 21.64 | | | | |
| 5 | 64QAM | 1 | 0 | 21.85 | 21.85 | 21.98 | 23.5 | 1.5 | | |
| 5 | 64QAM | 1 | 16 | 21.89 | 21.84 | 21.84 | | | | |
| 5 | 64QAM | 1 | 24 | 21.94 | 21.82 | 21.83 | | | | |
| 5 | 64QAM | 12 | 0 | 20.74 | 20.74 | 20.78 | 22.5 | 2.5 | | |
| 5 | 64QAM | 12 | 7 | 20.67 | 20.63 | 20.65 | | | | |
| 5 | 64QAM | 12 | 13 | 20.76 | 20.73 | 20.70 | | | | |
| 5 | 64QAM | 25 | 0 | 20.68 | 20.64 | 20.60 | 20.5 | 4.5 | | |
| 5 | 256QAM | 1 | 0 | 18.84 | 18.81 | 18.84 | | | | |
| 5 | 256QAM | 1 | 12 | 18.77 | 18.87 | 18.82 | | | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.72 | 18.78 | | | | |
| 5 | 256QAM | 12 | 0 | 18.74 | 18.78 | 18.84 | 20.5 | 4.5 | | |
| 5 | 256QAM | 12 | 7 | 18.72 | 18.73 | 18.64 | | | | |
| 5 | 256QAM | 12 | 13 | 18.69 | 18.78 | 18.79 | | | | |
| 5 | 256QAM | 25 | 0 | 18.71 | 18.70 | 18.68 | | | | |

| Band 26 Main PA Ant1 DS14 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./F.Freq. | Power High Ch./F.Freq. | Power Mid Ch./F.Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.29 | 22.38 | 22.23 | 24 | 0 | | |
| 15 | QPSK | 1 | 31 | 22.15 | 22.17 | 22.11 | | | | |
| 15 | QPSK | 1 | 74 | 22.11 | 22.03 | 22.06 | | | | |
| 15 | QPSK | 36 | 0 | 22.16 | 22.21 | 22.13 | 24 | 0 | | |
| 15 | QPSK | 36 | 29 | 22.08 | 22.12 | 22.02 | | | | |
| 15 | QPSK | 36 | 38 | 22.03 | 22.03 | 22.07 | | | | |
| 15 | QPSK | 75 | 0 | 22.14 | 22.15 | 22.01 | 24 | 0 | | |
| 15 | 16QAM | 1 | 0 | 22.27 | 22.23 | 22.29 | | | | |
| 15 | 16QAM | 1 | 37 | 22.03 | 22.24 | 22.06 | 24 | 0 | | |
| 15 | 16QAM | 1 | 74 | 22.23 | 22.10 | 22.11 | | | | |
| 15 | 16QAM | 36 | 0 | 21.83 | 21.78 | 21.82 | 23.5 | 0.5 | | |
| 15 | 16QAM | 36 | 20 | 21.83 | 21.68 | 21.58 | | | | |
| 15 | 16QAM | 36 | 39 | 21.88 | 21.72 | 21.89 | | | | |
| 15 | 16QAM | 75 | 0 | 21.54 | 21.66 | 21.58 | 23.5 | 0.5 | | |
| 15 | 64QAM | 1 | 0 | 21.82 | 21.92 | 21.84 | 23.5 | 0.5 | | |
| 15 | 64QAM | 1 | 37 | 21.78 | 21.86 | 21.80 | | | | |
| 15 | 64QAM | 1 | 74 | 21.73 | 21.82 | 21.75 | | | | |
| 15 | 64QAM | 36 | 0 | 20.84 | 20.89 | 20.79 | 22.5 | 1.5 | | |
| 15 | 64QAM | 36 | 20 | 20.74 | 20.89 | 20.72 | | | | |
| 15 | 64QAM | 36 | 39 | 20.72 | 20.85 | 20.70 | | | | |
| 15 | 64QAM | 75 | 0 | 20.69 | 20.77 | 20.67 | 22.5 | 1.5 | | |
| 15 | 256QAM | 1 | 0 | 18.61 | 18.78 | 18.63 | | | | |
| 15 | 256QAM | 1 | 37 | 18.58 | 18.72 | 18.64 | 20.5 | 3.5 | | |
| 15 | 256QAM | 1 | 74 | 18.64 | 18.67 | 18.60 | | | | |
| 15 | 256QAM | 36 | 0 | 18.54 | 18.62 | 18.52 | 20.5 | 3.5 | | |
| 15 | 256QAM | 36 | 20 | 18.54 | 18.58 | 18.51 | | | | |
| 15 | 256QAM | 36 | 39 | 18.60 | 18.62 | 18.55 | | | | |
| 15 | 256QAM | 75 | 0 | 18.60 | 18.68 | 18.56 | 20.5 | 3.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.15 | 22.22 | 22.05 | 24 | 0 | | |
| 10 | QPSK | 1 | 28 | 22.12 | 22.06 | 22.03 | | | | |
| 10 | QPSK | 1 | 48 | 22.03 | 22.06 | 22.04 | | | | |
| 10 | QPSK | 26 | 0 | 22.12 | 22.03 | 22.02 | 24 | 0 | | |
| 10 | QPSK | 26 | 12 | 22.09 | 22.05 | 22.00 | | | | |
| 10 | QPSK | 26 | 28 | 22.06 | 22.04 | 22.05 | | | | |
| 10 | 16QAM | 1 | 0 | 22.07 | 22.09 | 22.06 | 24 | 0 | | |
| 10 | 16QAM | 1 | 12 | 22.18 | 22.16 | 22.20 | | | | |
| 10 | 16QAM | 1 | 28 | 22.08 | 22.10 | 22.04 | | | | |
| 10 | 16QAM | 1 | 48 | 21.81 | 21.82 | 21.88 | 24 | 0 | | |
| 10 | 16QAM | 26 | 0 | 21.61 | 21.62 | 21.68 | 23.5 | 0.5 | | |
| 10 | 16QAM | 26 | 12 | 21.67 | 21.65 | 21.53 | | | | |
| 10 | 16QAM | 26 | 28 | 21.65 | 21.67 | 21.63 | | | | |
| 10 | 64QAM | 1 | 0 | 21.72 | 21.77 | 21.80 | 23.5 | 0.5 | | |
| 10 | 64QAM | 1 | 12 | 21.65 | 21.71 | 21.67 | | | | |
| 10 | 64QAM | 1 | 28 | 21.68 | 21.75 | 21.69 | | | | |
| 10 | 64QAM | 1 | 48 | 21.63 | 21.75 | 21.59 | 22.5 | 1.5 | | |
| 10 | 64QAM | 26 | 0 | 20.71 | 20.78 | 20.68 | | | | |
| 10 | 64QAM | 26 | 12 | 20.67 | 20.68 | 20.68 | | | | |
| 10 | 64QAM | 26 | 28 | 20.68 | 20.65 | 20.61 | | | | |
| 10 | 64QAM | 50 | 0 | 20.56 | 20.68 | 20.63 | 22.5 | 1.5 | | |
| 10 | 256QAM | 1 | 0 | 18.58 | 18.67 | 18.58 | | | | |
| 10 | 256QAM | 1 | 28 | 18.57 | 18.79 | 18.71 | 20.5 | 3.5 | | |
| 10 | 256QAM | 1 | 48 | 18.70 | 18.70 | 18.57 | | | | |
| 10 | 256QAM | 26 | 0 | 18.54 | 18.60 | 18.57 | 20.5 | 3.5 | | |
| 10 | 256QAM | 26 | 12 | 18.54 | 18.60 | 18.57 | | | | |
| 10 | 256QAM | 26 | 28 | 18.58 | 18.61 | 18.54 | | | | |
| 10 | 256QAM | 50 | 0 | 18.56 | 18.68 | 18.54 | 20.5 | 3.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.15 | 22.17 | 22.13 | 24 | 0 | | |
| 5 | QPSK | 1 | 12 | 22.14 | 22.14 | 22.16 | | | | |
| 5 | QPSK | 1 | 24 | 22.25 | 22.23 | 22.04 | | | | |
| 5 | QPSK | 12 | 0 | 22.03 | 22.06 | 22.07 | 24 | 0 | | |
| 5 | QPSK | 12 | 7 | 22.03 | 22.07 | 22.01 | | | | |
| 5 | QPSK | 12 | 13 | 22.23 | 22.31 | 22.09 | | | | |
| 5 | 16QAM | 1 | 0 | 22.17 | 22.16 | 22.20 | 24 | 0 | | |
| 5 | 16QAM | 1 | 12 | 22.19 | 22.28 | 22.05 | | | | |
| 5 | 16QAM | 1 | 24 | 21.99 | 21.97 | 21.84 | | | | |
| 5 | 16QAM | 12 | 0 | 21.66 | 21.69 | 21.51 | 23.5 | 0.5 | | |
| 5 | 16QAM | 12 | 7 | 21.68 | 21.69 | 21.51 | | | | |
| 5 | 16QAM | 12 | 13 | 21.67 | 21.71 | 21.63 | | | | |
| 5 | 64QAM | 1 | 0 | 21.54 | 21.68 | 21.62 | 23.5 | 0.5 | | |
| 5 | 64QAM | 1 | 12 | 21.54 | 21.70 | 21.75 | | | | |
| 5 | 64QAM | 1 | | | | | | | | |



| Band 38 Main PA Ant1 DS14 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|----|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 19.59 | 19.57 | 19.55 | | | 21 | 0 |
| 20 | QPSK | 1 | 49 | 19.56 | 19.53 | 19.49 | | | | |
| 20 | QPSK | 50 | 24 | 19.49 | 19.46 | 19.41 | | | | |
| 20 | QPSK | 50 | 24 | 19.37 | 19.34 | 19.29 | | | 21 | 0 |
| 20 | QPSK | 100 | 0 | 19.48 | 19.45 | 19.41 | | | | |
| 20 | 16QAM | 1 | 0 | 19.59 | 19.54 | 19.50 | | | 21 | 0 |
| 20 | 16QAM | 1 | 49 | 19.49 | 19.44 | 19.40 | | | | |
| 20 | 16QAM | 1 | 99 | 19.50 | 19.47 | 19.42 | | | | |
| 20 | 16QAM | 50 | 24 | 19.37 | 19.32 | 19.28 | | | | |
| 20 | 16QAM | 50 | 50 | 19.29 | 19.27 | 19.23 | | | 21 | 0 |
| 20 | 16QAM | 100 | 0 | 19.48 | 19.45 | 19.41 | | | | |
| 20 | 16QAM | 1 | 49 | 19.33 | 19.31 | 19.21 | | | 21 | 0 |
| 20 | 16QAM | 1 | 99 | 19.24 | 19.20 | 19.16 | | | | |
| 20 | 16QAM | 50 | 0 | 19.44 | 19.44 | 19.31 | | | | |
| 20 | 16QAM | 50 | 24 | 19.42 | 19.41 | 19.20 | | | 21 | 0 |
| 20 | 16QAM | 50 | 50 | 19.48 | 19.44 | 19.31 | | | | |
| 20 | 16QAM | 100 | 0 | 19.43 | 19.35 | 19.41 | | | | |
| 20 | 256QAM | 1 | 0 | 18.81 | 18.85 | 18.86 | | | 20 | 1 |
| 20 | 256QAM | 1 | 49 | 18.86 | 18.86 | 18.86 | | | | |
| 20 | 256QAM | 1 | 99 | 18.48 | 18.82 | 18.67 | | | | |
| 20 | 256QAM | 50 | 24 | 18.84 | 18.87 | 18.73 | | | 20 | 1 |
| 20 | 256QAM | 50 | 50 | 18.81 | 18.86 | 18.89 | | | | |
| 20 | 256QAM | 100 | 0 | 18.82 | 18.75 | 18.84 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 19.59 | 19.57 | 19.55 | | | 21 | 0 |
| 15 | QPSK | 1 | 37 | 19.43 | 19.51 | 19.29 | | | | |
| 15 | QPSK | 1 | 74 | 19.40 | 19.37 | 19.38 | | | | |
| 15 | QPSK | 36 | 0 | 19.45 | 19.45 | 19.38 | | | | |
| 15 | QPSK | 36 | 20 | 19.19 | 19.49 | 19.19 | | | 21 | 0 |
| 15 | QPSK | 36 | 39 | 19.37 | 19.37 | 19.37 | | | | |
| 15 | QPSK | 75 | 0 | 19.24 | 19.32 | 19.45 | | | | |
| 15 | 16QAM | 1 | 0 | 19.54 | 19.48 | 19.13 | | | 21 | 0 |
| 15 | 16QAM | 1 | 37 | 19.58 | 19.52 | 19.48 | | | | |
| 15 | 16QAM | 1 | 74 | 19.42 | 19.39 | 19.48 | | | | |
| 15 | 16QAM | 36 | 0 | 19.32 | 19.54 | 19.45 | | | | |
| 15 | 16QAM | 36 | 20 | 19.24 | 19.30 | 19.45 | | | 21 | 0 |
| 15 | 16QAM | 36 | 39 | 19.23 | 19.28 | 19.05 | | | | |
| 15 | 16QAM | 75 | 0 | 19.27 | 19.34 | 19.46 | | | | |
| 15 | 16QAM | 1 | 0 | 19.35 | 19.42 | 19.37 | | | 21 | 0 |
| 15 | 16QAM | 1 | 37 | 19.33 | 19.15 | 19.30 | | | | |
| 15 | 16QAM | 1 | 74 | 19.06 | 19.17 | 19.04 | | | | |
| 15 | 16QAM | 36 | 0 | 19.33 | 19.42 | 19.37 | | | | |
| 15 | 16QAM | 36 | 20 | 19.34 | 19.42 | 19.41 | | | 21 | 0 |
| 15 | 16QAM | 36 | 39 | 19.46 | 19.45 | 19.33 | | | | |
| 15 | 16QAM | 75 | 0 | 19.32 | 19.35 | 19.22 | | | | |
| 15 | 256QAM | 1 | 0 | 18.39 | 18.51 | 18.42 | | | 20 | 1 |
| 15 | 256QAM | 1 | 37 | 18.52 | 18.52 | 18.45 | | | | |
| 15 | 256QAM | 1 | 74 | 18.45 | 18.57 | 18.51 | | | | |
| 15 | 256QAM | 36 | 0 | 18.84 | 18.85 | 18.82 | | | 20 | 1 |
| 15 | 256QAM | 36 | 20 | 18.83 | 18.83 | 18.83 | | | | |
| 15 | 256QAM | 36 | 39 | 18.86 | 18.86 | 18.86 | | | | |
| 15 | 256QAM | 75 | 0 | 18.80 | 18.88 | 18.80 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 19.38 | 19.47 | 19.40 | | | 21 | 0 |
| 10 | QPSK | 1 | 25 | 19.38 | 19.49 | 19.27 | | | | |
| 10 | QPSK | 1 | 49 | 19.45 | 19.82 | 19.48 | | | | |
| 10 | QPSK | 25 | 0 | 19.25 | 19.49 | 19.45 | | | | |
| 10 | QPSK | 25 | 12 | 19.23 | 19.52 | 19.08 | | | 21 | 0 |
| 10 | QPSK | 25 | 25 | 19.21 | 19.49 | 19.36 | | | | |
| 10 | 16QAM | 1 | 0 | 19.55 | 19.55 | 19.19 | | | | |
| 10 | 16QAM | 1 | 25 | 19.32 | 19.30 | 19.31 | | | 21 | 0 |
| 10 | 16QAM | 1 | 49 | 19.43 | 19.40 | 19.45 | | | | |
| 10 | 16QAM | 25 | 0 | 19.27 | 19.52 | 19.40 | | | | |
| 10 | 16QAM | 25 | 12 | 19.20 | 19.28 | 19.39 | | | 21 | 0 |
| 10 | 16QAM | 25 | 25 | 19.20 | 19.36 | 19.11 | | | | |
| 10 | 16QAM | 50 | 0 | 19.28 | 19.33 | 19.47 | | | | |
| 10 | 16QAM | 1 | 0 | 19.32 | 19.48 | 19.46 | | | | |
| 10 | 16QAM | 1 | 25 | 19.21 | 19.17 | 19.49 | | | 21 | 0 |
| 10 | 16QAM | 1 | 49 | 19.07 | 19.21 | 19.18 | | | | |
| 10 | 16QAM | 25 | 0 | 19.37 | 19.49 | 19.42 | | | | |
| 10 | 16QAM | 25 | 12 | 19.41 | 19.39 | 19.52 | | | 21 | 0 |
| 10 | 16QAM | 25 | 25 | 19.31 | 19.22 | 19.12 | | | | |
| 10 | 16QAM | 50 | 0 | 19.24 | 19.36 | 19.31 | | | | |
| 10 | 256QAM | 1 | 0 | 18.42 | 18.59 | 18.47 | | | | |
| 10 | 256QAM | 1 | 25 | 18.45 | 18.81 | 18.47 | | | 20 | 1 |
| 10 | 256QAM | 1 | 49 | 18.43 | 18.48 | 18.51 | | | | |
| 10 | 256QAM | 25 | 0 | 18.88 | 18.88 | 18.77 | | | | |
| 10 | 256QAM | 25 | 12 | 18.77 | 18.83 | 18.64 | | | 20 | 1 |
| 10 | 256QAM | 25 | 25 | 18.87 | 18.86 | 18.76 | | | | |
| 10 | 256QAM | 50 | 0 | 18.88 | 18.71 | 18.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 19.48 | 19.50 | 19.44 | | | 21 | 0 |
| 5 | QPSK | 1 | 19 | 19.37 | 19.60 | 19.38 | | | | |
| 5 | QPSK | 1 | 24 | 19.27 | 19.53 | 19.42 | | | | |
| 5 | QPSK | 12 | 0 | 19.34 | 19.41 | 19.26 | | | | |
| 5 | QPSK | 12 | 7 | 19.36 | 19.52 | 19.09 | | | 21 | 0 |
| 5 | QPSK | 12 | 19 | 19.19 | 19.50 | 19.42 | | | | |
| 5 | QPSK | 25 | 0 | 19.41 | 19.31 | 19.23 | | | | |
| 5 | QPSK | 0 | 19.37 | 19.48 | 19.25 | | | | | |
| 5 | 16QAM | 1 | 12 | 19.58 | 19.42 | 19.17 | | | 21 | 0 |
| 5 | 16QAM | 1 | 24 | 19.47 | 19.46 | 19.02 | | | | |
| 5 | 16QAM | 12 | 0 | 19.32 | 19.42 | 19.46 | | | | |
| 5 | 16QAM | 12 | 7 | 19.43 | 19.43 | 19.30 | | | 21 | 0 |
| 5 | 16QAM | 12 | 13 | 19.20 | 19.20 | 19.21 | | | | |
| 5 | 16QAM | 25 | 0 | 19.25 | 19.42 | 19.41 | | | | |
| 5 | 16QAM | 1 | 0 | 19.21 | 19.30 | 19.30 | | | 21 | 0 |
| 5 | 16QAM | 1 | 12 | 19.33 | 19.13 | 19.45 | | | | |
| 5 | 16QAM | 1 | 24 | 19.24 | 19.26 | 19.11 | | | | |
| 5 | 16QAM | 12 | 0 | 19.20 | 19.42 | 19.32 | | | | |
| 5 | 16QAM | 25 | 0 | 19.35 | 19.35 | 19.26 | | | 21 | 0 |
| 5 | 16QAM | 1 | 0 | 18.40 | 18.57 | 18.45 | | | | |
| 5 | 256QAM | 1 | 12 | 18.54 | 18.58 | 18.41 | | | 20 | 1 |
| 5 | 256QAM | 1 | 24 | 18.37 | 18.58 | 18.43 | | | | |
| 5 | 256QAM | 12 | 0 | 18.87 | 18.83 | 18.72 | | | | |
| 5 | 256QAM | 12 | 7 | 18.80 | 18.84 | 18.60 | | | 20 | 1 |
| 5 | 256QAM | 12 | 13 | 18.85 | 18.89 | 18.77 | | | | |
| 5 | 256QAM | 25 | 0 | 18.83 | 18.88 | 18.61 | | | | |

| Band 41 Main PA Ant1 DS14 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 19.59 | 19.57 | 19.55 | | | 20.5 | 0 |
| 20 | QPSK | 1 | 49 | 19.55 | 19.77 | 19.81 | | | | |
| 20 | QPSK | 50 | 24 | 19.49 | 19.46 | 19.41 | | | | |
| 20 | QPSK | 50 | 24 | 19.38 | 19.36 | 19.31 | | | 20.5 | 0 |
| 20 | QPSK | 100 | 0 | 19.48 | 19.45 | 19.41 | | | | |
| 20 | 16QAM | 1 | 0 | 19.55 | 19.49 | 19.51 | | | 20.5 | 0 |
| 20 | 16QAM | 1 | 49 | 19.30 | 19.21 | 19.33 | | | | |
| 20 | 16QAM | 1 | 99 | 19.46 | 19.58 | 19.70 | | | | |
| 20 | 16QAM | 50 | 24 | 19.43 | 19.46 | 19.46 | | | 20.5 | 0 |
| 20 | 16QAM | 50 | 24 | 19.27 | 19.45 | 19.42 | | | | |
| 20 | 16QAM | 50 | 50 | 19.49 | 19.57 | 19.63 | | | 20.5 | 0 |
| 20 | 16QAM | 100 | 0 | 19.44 | 19.40 | 19.42 | | | | |
| 20 | 16QAM | 1 | 49 | 19.37 | 19.37 | 19.43 | | | 20.5 | 0 |
| 20 | 16QAM | 1 | 99 | 19.46 | 19.58 | 19.70 | | | | |
| 20 | 16QAM | 50 | 24 | 19.30 | 19.21 | 19.31 | | | | |
| 20 | 16QAM | 50 | 24 | 19.19 | 19.26 | 19.29 | | | 20.5 | 0 |
| 20 | 16QAM | 50 | 50 | 19.34 | 19.21 | 19.31 | | | | |
| 20 | 16QAM | 100 | 0 | 19.08 | 19.03 | 19.20 | | | | |
| 20 | 256QAM | 1 | 0 | 18.64 | 18.64 | 18.81 | | | 19.5 | 1 |
| 20 | 256QAM | 1 | 49 | 18.62 | 18.70 | 18.82 | | | | |
| 20 | 256QAM | 1 | 99 | 18.57 | 18.63 | 18.68 | | | | |
| 20 | 256QAM | 50 | 24 | 18.85 | 18.87 | 18.87 | | | | |
| 20 | 256QAM | 50 | 24 | 18.86 | 18.87 | 18.87 | | | 19.5 | 1 |
| 20 | 256QAM | 50 | 50 | 18.88 | 18.84 | 19.01 | | | | |
| 20 | 256QAM | 100 | 0 | 18.70 | 18.89 | 18.80 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 19.54 | 19.52 | 19.52 | | | 21 | 0 |
| 16 | QPSK | 1 | 37 | 19.59 | 19.62 | 19.77 | | | | |
| 16 | QPSK | 1 | 74 | 19.59 | 19.60 | 19.67 | | | | |
| 16 | QPSK | 36 | 0 | 19.09 | 19.27 | 19.46 | | | | |
| 16 | QPSK | 36 | 20 | 19.15 | 19.27 | 19.44 | | | 20.5 | 0 |
| 16 | QPSK | 36 | 39 | 19.37 | 19.37 | 19.37 | | | | |
| 16 | QPSK | 75 | 0 | 19.24 | 19.24 | 19.20 | | | | |
| 16 | 16QAM | 1 | 0 | 19.30 | 19.45 | 19.47 | | | 20.5 | 0 |
| 16 | 16QAM | 1 | 37 | 19.14 | 19.44 | 19.34 | | | | |
| 16 | 16QAM | 1 | 74 | 19.22 | 19.20 | 19.48 | | | | |
| 16 | 16QAM | 36 | 0 | 19.26 | 19.40 | 19.23 | | | 20.5 | 0 |
| 16 | 16QAM | 36 | 20 | 19.02 | 19.26 | 19.15 | | | | |
| 16 | 16QAM | 36 | 39 | 19.32 | 19.28 | 19.37 | | | | |
| 16 | 16QAM | 75 | 0 | 19.18 | 19.42 | 19.47 | | | | |
| 16 | 16QAM | 1 | 0 | 19.19 | 19.27 | 19.37 | | | | |



| Band 42 FCC Part27Q Main PA Ant1 DS14 | | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 19.96 | 20.02 | 19.94 | 21.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 19.82 | 19.83 | 19.89 | | | | |
| 20 | QPSK | 1 | 99 | 19.73 | 19.80 | 19.79 | | | | |
| 20 | QPSK | 50 | 0 | 19.87 | 19.87 | 19.82 | | | | |
| 20 | QPSK | 50 | 24 | 19.72 | 19.76 | 19.71 | | | | |
| 20 | QPSK | 100 | 0 | 19.74 | 19.84 | 19.82 | | | | |
| 20 | 16QAM | 1 | 0 | 19.87 | 19.79 | 19.51 | | | | |
| 20 | 16QAM | 1 | 49 | 19.84 | 19.71 | 19.52 | | | | |
| 20 | 16QAM | 1 | 99 | 19.80 | 19.69 | 19.51 | | | | |
| 20 | 16QAM | 50 | 0 | 19.81 | 19.59 | 19.46 | | | | |
| 20 | 16QAM | 50 | 24 | 19.84 | 19.59 | 19.51 | | | | |
| 20 | 16QAM | 50 | 50 | 19.55 | 19.63 | 19.59 | | | | |
| 20 | 16QAM | 100 | 0 | 19.51 | 19.59 | 19.54 | | | | |
| 20 | 16QAM | 100 | 0 | 19.82 | 19.59 | 19.52 | | | | |
| 20 | 16QAM | 100 | 49 | 19.84 | 19.59 | 19.59 | | | | |
| 20 | 16QAM | 100 | 99 | 19.84 | 19.82 | 19.57 | | | | |
| 20 | 16QAM | 50 | 0 | 19.50 | 19.58 | 19.54 | | | | |
| 20 | 16QAM | 50 | 24 | 19.55 | 19.62 | 19.56 | | | | |
| 20 | 16QAM | 50 | 50 | 19.55 | 19.67 | 19.60 | | | | |
| 20 | 16QAM | 100 | 0 | 19.84 | 19.55 | 19.64 | | | | |
| 20 | 25QAM | 1 | 0 | 18.16 | 18.27 | 18.22 | | | | |
| 20 | 25QAM | 1 | 49 | 18.20 | 18.33 | 18.21 | | | | |
| 20 | 25QAM | 1 | 99 | 18.21 | 18.26 | 18.17 | | | | |
| 20 | 25QAM | 50 | 0 | 18.20 | 18.26 | 18.14 | | | | |
| 20 | 25QAM | 50 | 24 | 18.11 | 18.21 | 18.20 | | | | |
| 20 | 25QAM | 50 | 50 | 18.19 | 18.24 | 18.12 | | | | |
| 20 | 25QAM | 100 | 0 | 18.23 | 18.31 | 18.25 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 19.15 | 19.16 | 19.20 | 21.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 19.17 | 19.87 | 19.88 | | | | |
| 15 | QPSK | 1 | 74 | 19.12 | 19.82 | 19.86 | | | | |
| 15 | QPSK | 36 | 0 | 19.71 | 19.82 | 19.81 | | | | |
| 15 | QPSK | 36 | 20 | 19.70 | 19.85 | 19.76 | | | | |
| 15 | QPSK | 75 | 0 | 19.82 | 19.89 | 19.93 | | | | |
| 15 | 16QAM | 1 | 0 | 19.84 | 19.77 | 19.65 | | | | |
| 15 | 16QAM | 1 | 37 | 19.73 | 19.75 | 19.62 | | | | |
| 15 | 16QAM | 1 | 74 | 19.82 | 19.81 | 19.54 | | | | |
| 15 | 16QAM | 36 | 0 | 19.87 | 19.76 | 19.80 | | | | |
| 15 | 16QAM | 36 | 20 | 19.82 | 19.86 | 19.80 | | | | |
| 15 | 16QAM | 36 | 39 | 19.51 | 19.89 | 19.53 | | | | |
| 15 | 16QAM | 75 | 0 | 19.87 | 19.58 | 19.58 | | | | |
| 15 | 16QAM | 75 | 0 | 19.50 | 19.58 | 19.71 | | | | |
| 15 | 16QAM | 1 | 37 | 19.54 | 19.54 | 19.52 | | | | |
| 15 | 16QAM | 1 | 74 | 19.53 | 19.56 | 19.56 | | | | |
| 15 | 16QAM | 36 | 0 | 19.50 | 19.80 | 19.59 | | | | |
| 15 | 16QAM | 36 | 20 | 19.81 | 19.52 | 19.66 | | | | |
| 15 | 16QAM | 36 | 39 | 19.56 | 19.88 | 19.54 | | | | |
| 15 | 16QAM | 75 | 0 | 19.76 | 19.54 | 19.51 | | | | |
| 15 | 25QAM | 1 | 0 | 18.13 | 18.24 | 18.08 | | | | |
| 15 | 25QAM | 1 | 37 | 18.16 | 18.24 | 18.15 | | | | |
| 15 | 25QAM | 1 | 74 | 18.16 | 18.20 | 18.02 | | | | |
| 15 | 25QAM | 36 | 0 | 18.09 | 18.26 | 18.21 | | | | |
| 15 | 25QAM | 36 | 20 | 18.01 | 18.09 | 18.08 | | | | |
| 15 | 25QAM | 36 | 39 | 18.07 | 18.16 | 18.10 | | | | |
| 15 | 25QAM | 75 | 0 | 18.16 | 18.16 | 18.00 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 19.78 | 19.78 | 19.80 | 21.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 19.79 | 19.82 | 19.78 | | | | |
| 10 | QPSK | 1 | 49 | 19.73 | 19.58 | 19.65 | | | | |
| 10 | QPSK | 25 | 0 | 19.70 | 19.76 | 19.72 | | | | |
| 10 | QPSK | 25 | 12 | 19.76 | 19.87 | 19.73 | | | | |
| 10 | QPSK | 25 | 25 | 19.81 | 19.81 | 19.68 | | | | |
| 10 | QPSK | 50 | 0 | 19.84 | 19.84 | 19.84 | | | | |
| 10 | 16QAM | 1 | 0 | 19.70 | 19.74 | 19.68 | | | | |
| 10 | 16QAM | 1 | 25 | 19.86 | 19.77 | 19.60 | | | | |
| 10 | 16QAM | 1 | 49 | 19.84 | 19.80 | 19.60 | | | | |
| 10 | 16QAM | 25 | 0 | 19.50 | 19.54 | 19.68 | | | | |
| 10 | 16QAM | 25 | 0 | 19.51 | 19.63 | 19.79 | | | | |
| 10 | 16QAM | 25 | 12 | 19.62 | 19.56 | 19.74 | | | | |
| 10 | 16QAM | 25 | 25 | 19.82 | 19.82 | 19.54 | | | | |
| 10 | 16QAM | 50 | 0 | 19.56 | 19.58 | 19.57 | | | | |
| 10 | 16QAM | 50 | 0 | 19.50 | 19.54 | 19.68 | | | | |
| 10 | 16QAM | 50 | 12 | 19.84 | 19.71 | 19.52 | | | | |
| 10 | 16QAM | 1 | 49 | 19.55 | 19.65 | 19.50 | | | | |
| 10 | 16QAM | 25 | 0 | 19.50 | 19.57 | 19.71 | | | | |
| 10 | 16QAM | 25 | 12 | 19.66 | 19.56 | 19.57 | | | | |
| 10 | 16QAM | 25 | 25 | 19.54 | 19.55 | 19.65 | | | | |
| 10 | 16QAM | 50 | 0 | 19.63 | 19.62 | 19.66 | | | | |
| 10 | 25QAM | 1 | 0 | 18.03 | 18.12 | 18.06 | | | | |
| 10 | 25QAM | 1 | 25 | 18.09 | 18.20 | 18.06 | | | | |
| 10 | 25QAM | 1 | 49 | 18.14 | 18.19 | 18.06 | | | | |
| 10 | 25QAM | 25 | 0 | 18.14 | 18.25 | 18.05 | | | | |
| 10 | 25QAM | 25 | 12 | 18.06 | 18.11 | 18.05 | | | | |
| 10 | 25QAM | 25 | 25 | 18.16 | 18.14 | 18.01 | | | | |
| 10 | 25QAM | 50 | 0 | 18.14 | 18.12 | 18.07 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 19.80 | 19.88 | 19.72 | 21.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 19.73 | 19.81 | 19.86 | | | | |
| 5 | QPSK | 1 | 24 | 19.86 | 19.83 | 19.87 | | | | |
| 5 | QPSK | 12 | 0 | 19.56 | 19.80 | 19.50 | | | | |
| 5 | QPSK | 12 | 7 | 19.76 | 19.72 | 19.72 | | | | |
| 5 | QPSK | 12 | 13 | 19.77 | 19.78 | 19.58 | | | | |
| 5 | QPSK | 24 | 0 | 19.82 | 19.86 | 19.89 | | | | |
| 5 | 16QAM | 1 | 0 | 19.72 | 19.81 | 19.52 | | | | |
| 5 | 16QAM | 1 | 12 | 19.83 | 19.80 | 19.81 | | | | |
| 5 | 16QAM | 1 | 24 | 19.72 | 19.76 | 19.81 | | | | |
| 5 | 16QAM | 12 | 0 | 19.71 | 19.80 | 19.71 | | | | |
| 5 | 16QAM | 12 | 7 | 19.76 | 19.67 | 19.63 | | | | |
| 5 | 16QAM | 12 | 13 | 19.80 | 19.52 | 19.69 | | | | |
| 5 | 16QAM | 24 | 0 | 19.54 | 19.66 | 19.58 | | | | |
| 5 | 16QAM | 1 | 0 | 19.81 | 19.58 | 19.71 | | | | |
| 5 | 16QAM | 1 | 12 | 19.87 | 19.63 | 19.84 | | | | |
| 5 | 16QAM | 1 | 24 | 19.82 | 19.62 | 19.63 | | | | |
| 5 | 16QAM | 12 | 0 | 19.61 | 19.70 | 19.58 | | | | |
| 5 | 16QAM | 12 | 7 | 19.80 | 19.71 | 19.63 | | | | |
| 5 | 16QAM | 12 | 13 | 19.84 | 19.73 | 19.51 | | | | |
| 5 | 16QAM | 24 | 0 | 19.60 | 19.64 | 19.88 | | | | |
| 5 | 25QAM | 1 | 0 | 18.06 | 18.23 | 18.10 | | | | |
| 5 | 25QAM | 1 | 12 | 18.12 | 18.29 | 18.08 | | | | |
| 5 | 25QAM | 1 | 24 | 18.06 | 18.16 | 18.03 | | | | |
| 5 | 25QAM | 12 | 0 | 18.11 | 18.21 | 18.10 | | | | |
| 5 | 25QAM | 12 | 7 | 18.00 | 18.13 | 18.00 | | | | |
| 5 | 25QAM | 12 | 13 | 18.15 | 18.17 | 18.02 | | | | |
| 5 | 25QAM | 24 | 0 | 18.08 | 18.14 | 18.01 | | | | |

| Band 48 FCC Main PA Ant1 DS14 | | | | | | | | | | |
|-------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 20.07 | 20.02 | 20.10 | 21.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 19.86 | 20.02 | 20.02 | | | | |
| 20 | QPSK | 1 | 99 | 20.00 | 20.10 | 20.07 | | | | |
| 20 | QPSK | 50 | 0 | 19.78 | 20.02 | 19.91 | | | | |
| 20 | QPSK | 50 | 24 | 19.77 | 19.91 | 19.82 | | | | |
| 20 | QPSK | 100 | 0 | 19.76 | 19.91 | 19.82 | | | | |
| 20 | 16QAM | 1 | 0 | 19.76 | 19.79 | 19.82 | | | | |
| 20 | 16QAM | 1 | 49 | 19.75 | 19.77 | 19.76 | | | | |
| 20 | 16QAM | 1 | 99 | 19.85 | 19.83 | 19.74 | | | | |
| 20 | 16QAM | 50 | 0 | 19.71 | 19.89 | 19.71 | | | | |
| 20 | 16QAM | 50 | 24 | 19.82 | 19.69 | 19.76 | | | | |
| 20 | 16QAM | 50 | 50 | 19.66 | 19.70 | 19.81 | | | | |
| 20 | 16QAM | 100 | 0 | 19.69 | 19.72 | 19.67 | | | | |
| 20 | 16QAM | 100 | 0 | 19.50 | 19.72 | 19.51 | | | | |
| 20 | 16QAM | 100 | 49 | 19.69 | 19.78 | 19.67 | | | | |
| 20 | 16QAM | 100 | 99 | 19.74 | 19.82 | 19.84 | | | | |
| 20 | 16QAM | 50 | 0 | 19.68 | 19.76 | 19.70 | | | | |
| 20 | 16QAM | 50 | 24 | 19.68 | 19.79 | 19.70 | | | | |
| 20 | 16QAM | 50 | 50 | 19.74 | 19.83 | 19.85 | | | | |
| 20 | 16QAM | 100 | 0 | 19.66 | 19.74 | 19.70 | | | | |
| 20 | 25QAM | 1 | 0 | 18.20 | 18.32 | 18.22 | | | | |
| 20 | 25QAM | 1 | 49 | 18.26 | 18.47 | 18.44 | | | | |
| 20 | 25QAM | 1 | 99 | 18.27 | 18.42 | 18.36 | | | | |
| 20 | 25QAM | 50 | 0 | 18.21 | 18.38 | 18.26 | | | | |
| 20 | 25QAM | 50 | 24 | 18.21 | 18.30 | 18.23 | | | | |
| 20 | 25QAM | 50 | 50 | 18.25 | 18.32 | 18.17 | | | | |
| 20 | 25QAM | 100 | 0 | 18.34 | 18.44 | 18.31 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 20.03 | 20.00 | 20.10 | 21.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 19.80 | 19.80 | 19.86 | | | | |
| 15 | QPSK | 1 | 74 | 19.80 | 19.83 | 19.82 | | | | |
| 15 | QPSK | 36 | 0 | 19.82 | 19.86 | 19.74 | | | | |
| 15 | QPSK | 36 | 20 | 19.76 | 19.88 | 19.56 | | | | |
| 15 | QPSK | 75 | 0 | 19.88 | 19.81 | 19.83 | | | | |
| 15 | QPSK | 75 | 29 | 19.81 | 19.79 | 19.84 | | | | |
| 15 | 16QAM | 1 | 0 | 19.59 | 19.70 | 19.60 | | | | |
| 15 | 16QAM | 1 | 37 | 19.68 | 19.57 | 19.57 | | | | |
| 15 | 16QAM | 1 | 74 | 19.50 | 19.77 | 19.64 | | | | |
| 15 | 16QAM | 36 | 0 | 19.67 | 19.85 | 19.63 | | | | |

GSM1900 Ant2 Default

| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|--------|---------------------------|
| | 512 | 661 | 910 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 31.00 | 1850.2 | 1880 | 1909.8 | 22.00 |
| GSM 1 Tx slot | 29.89 | 29.95 | 29.93 | 31.00 | 20.89 | 20.95 | 20.93 | 22.00 |
| GPRS 1 Tx slot | 29.92 | 30.01 | 29.95 | 31.00 | 20.92 | 21.01 | 20.95 | 22.00 |
| GPRS 2 Tx slots | 27.08 | 27.11 | 27.03 | 28.00 | 21.08 | 21.11 | 21.03 | 22.00 |
| GPRS 3 Tx slots | 25.21 | 25.34 | 25.26 | 26.20 | 20.95 | 21.08 | 21.00 | 21.94 |
| GPRS 4 Tx slots | 23.92 | 24.02 | 23.90 | 25.00 | 20.82 | 21.02 | 20.90 | 22.00 |
| EDGE 1 Tx slot | 26.15 | 26.26 | 26.18 | 27.00 | 17.15 | 17.26 | 17.18 | 18.00 |
| EDGE 2 Tx slots | 23.36 | 23.44 | 23.35 | 24.00 | 17.36 | 17.44 | 17.35 | 18.00 |
| EDGE 3 Tx slots | 21.53 | 21.56 | 21.50 | 22.20 | 17.27 | 17.30 | 17.24 | 17.94 |
| EDGE 4 Tx slots | 20.54 | 20.68 | 20.60 | 21.00 | 17.54 | 17.68 | 17.60 | 18.00 |

WCDMA II Ant2 DSH

WCDMA IV Ant2 DSH

| Band TX Channel | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) |
|------------------------------------|----------|-------|--------|---------------------------|----------|--------|--------|---------------------------|
| | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| Rx Channel | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | | 1712.4 | 1732.6 | 1752.6 | |
| 3GPP Rel 99 AMR 12.2kbps | 20.51 | 20.59 | 20.52 | 22.00 | 20.98 | 21.04 | 21.02 | 22.50 |
| 3GPP Rel 99 RMC 12.2kbps | 20.54 | 20.60 | 20.51 | 22.00 | 20.95 | 21.11 | 21.04 | 22.50 |
| 3GPP Rel 6 HSDPA Subtest-1 | 19.47 | 19.73 | 19.58 | 21.00 | 20.03 | 20.02 | 20.05 | 21.50 |
| 3GPP Rel 6 HSDPA Subtest-2 | 19.60 | 19.49 | 19.52 | 21.00 | 20.06 | 20.15 | 20.00 | 21.50 |
| 3GPP Rel 6 HSDPA Subtest-3 | 19.10 | 19.05 | 19.01 | 20.50 | 19.56 | 19.64 | 19.52 | 21.00 |
| 3GPP Rel 6 HSDPA Subtest-4 | 18.94 | 18.96 | 19.02 | 20.50 | 19.46 | 19.53 | 19.59 | 21.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-1 | 19.61 | 19.49 | 19.55 | 21.00 | 20.01 | 20.11 | 20.04 | 21.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-2 | 19.49 | 19.59 | 19.45 | 21.00 | 20.03 | 20.04 | 19.94 | 21.50 |
| 3GPP Rel 8 DC-HSDPA Subtest-3 | 18.86 | 19.08 | 18.96 | 20.50 | 19.40 | 19.61 | 19.41 | 21.00 |
| 3GPP Rel 8 DC-HSDPA Subtest-4 | 18.88 | 19.07 | 18.99 | 20.50 | 19.27 | 19.44 | 19.43 | 21.00 |
| 3GPP Rel 6 HSUPA Subtest-1 | 19.31 | 19.47 | 19.48 | 21.00 | 19.95 | 19.99 | 20.03 | 21.50 |
| 3GPP Rel 6 HSUPA Subtest-2 | 17.61 | 17.67 | 17.58 | 19.00 | 18.02 | 18.15 | 18.03 | 19.50 |
| 3GPP Rel 6 HSUPA Subtest-3 | 18.58 | 18.66 | 18.62 | 20.00 | 19.09 | 19.15 | 19.15 | 20.50 |
| 3GPP Rel 6 HSUPA Subtest-4 | 17.44 | 17.46 | 17.47 | 19.00 | 17.95 | 18.11 | 17.97 | 19.50 |
| 3GPP Rel 6 HSUPA Subtest-5 | 19.43 | 19.62 | 19.43 | 21.00 | 19.93 | 20.07 | 19.97 | 21.50 |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 17.02 | 17.08 | 17.02 | 18.50 | 17.66 | 17.69 | 17.56 | 19.00 |



| Band 2 Main PA Ant2 DSI4 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Time-up limit (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 1800 1800 1900 | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 17.46 | 17.73 | 17.68 | | | | |
| 20 | QPSK | 1 | 49 | 17.46 | 17.73 | 17.68 | 10 | 0 | | |
| 20 | QPSK | 1 | 99 | 17.56 | 17.56 | 17.51 | | | | |
| 20 | QPSK | 50 | 0 | 17.50 | 17.62 | 17.49 | | | | |
| 20 | QPSK | 50 | 24 | 17.52 | 17.63 | 17.44 | | | | |
| 20 | QPSK | 50 | 50 | 17.39 | 17.59 | 17.51 | | | | |
| 20 | QPSK | 100 | 0 | 17.27 | 17.53 | 17.51 | | | | |
| 20 | 16QAM | 100 | 0 | 17.30 | 17.36 | 17.32 | | | | |
| 20 | 16QAM | 1 | 49 | 17.21 | 17.43 | 17.41 | | | | |
| 20 | 16QAM | 1 | 99 | 17.49 | 17.59 | 17.45 | | | | |
| 20 | 16QAM | 50 | 0 | 17.27 | 17.47 | 17.41 | | | | |
| 20 | 16QAM | 50 | 24 | 17.45 | 17.43 | 17.40 | | | | |
| 20 | 16QAM | 50 | 50 | 17.19 | 17.39 | 17.37 | | | | |
| 20 | 16QAM | 100 | 0 | 17.32 | 17.49 | 17.31 | | | | |
| 20 | 16QAM | 1 | 0 | 17.29 | 17.37 | 17.37 | | | | |
| 20 | 16QAM | 1 | 49 | 17.23 | 17.33 | 17.28 | | | | |
| 20 | 16QAM | 50 | 0 | 17.57 | 17.59 | 17.49 | | | | |
| 20 | 16QAM | 50 | 24 | 17.37 | 17.53 | 17.42 | | | | |
| 20 | 16QAM | 50 | 50 | 17.39 | 17.44 | 17.34 | | | | |
| 20 | 16QAM | 100 | 0 | 17.23 | 17.47 | 17.39 | | | | |
| 20 | 16QAM | 1 | 0 | 17.63 | 17.67 | 17.61 | | | | |
| 20 | 16QAM | 1 | 49 | 17.58 | 17.72 | 17.58 | | | | |
| 20 | 16QAM | 1 | 99 | 17.70 | 17.83 | 17.70 | | | | |
| 20 | 16QAM | 50 | 0 | 17.59 | 17.79 | 17.57 | | | | |
| 20 | 16QAM | 50 | 24 | 17.58 | 17.68 | 17.54 | | | | |
| 20 | 16QAM | 50 | 50 | 17.50 | 17.60 | 17.45 | | | | |
| 20 | 16QAM | 100 | 0 | 17.40 | 17.71 | 17.61 | | | | |
| Channel | | | | | | | | | | |
| 1807.5 1800 1900.5 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 17.61 | 17.66 | 17.61 | | | | |
| 15 | QPSK | 1 | 37 | 17.37 | 17.58 | 17.68 | | | | |
| 15 | QPSK | 1 | 74 | 17.48 | 17.50 | 17.48 | | | | |
| 15 | QPSK | 36 | 0 | 17.27 | 17.49 | 17.48 | | | | |
| 15 | QPSK | 36 | 29 | 17.38 | 17.56 | 17.48 | | | | |
| 15 | QPSK | 36 | 39 | 17.28 | 17.49 | 17.44 | | | | |
| 15 | QPSK | 75 | 0 | 17.36 | 17.48 | 17.48 | | | | |
| 15 | 16QAM | 1 | 0 | 17.16 | 17.43 | 17.40 | | | | |
| 15 | 16QAM | 1 | 37 | 17.44 | 17.56 | 17.38 | | | | |
| 15 | 16QAM | 1 | 74 | 17.36 | 17.49 | 17.41 | | | | |
| 15 | 16QAM | 36 | 0 | 17.38 | 17.48 | 17.30 | | | | |
| 15 | 16QAM | 36 | 29 | 17.17 | 17.41 | 17.37 | | | | |
| 15 | 16QAM | 36 | 39 | 17.24 | 17.53 | 17.39 | | | | |
| 15 | 16QAM | 75 | 0 | 17.28 | 17.38 | 17.42 | | | | |
| 15 | 16QAM | 1 | 0 | 17.27 | 17.30 | 17.18 | | | | |
| 15 | 16QAM | 1 | 37 | 17.22 | 17.49 | 17.38 | | | | |
| 15 | 16QAM | 1 | 74 | 17.48 | 17.57 | 17.45 | | | | |
| 15 | 16QAM | 36 | 0 | 17.30 | 17.49 | 17.42 | | | | |
| 15 | 16QAM | 36 | 29 | 17.43 | 17.58 | 17.44 | | | | |
| 15 | 16QAM | 36 | 39 | 17.26 | 17.43 | 17.45 | | | | |
| 15 | 16QAM | 75 | 0 | 17.55 | 17.56 | 17.52 | | | | |
| 15 | 16QAM | 1 | 0 | 17.48 | 17.65 | 17.65 | | | | |
| 15 | 16QAM | 1 | 37 | 17.48 | 17.57 | 17.47 | | | | |
| 15 | 16QAM | 1 | 74 | 17.58 | 17.70 | 17.58 | | | | |
| 15 | 16QAM | 36 | 0 | 17.50 | 17.62 | 17.52 | | | | |
| 15 | 16QAM | 36 | 29 | 17.52 | 17.64 | 17.54 | | | | |
| 15 | 16QAM | 36 | 39 | 17.41 | 17.54 | 17.38 | | | | |
| 15 | 16QAM | 75 | 0 | 17.52 | 17.63 | 17.57 | | | | |
| Channel | | | | | | | | | | |
| 216.1 216.8 217.2 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 17.61 | 17.61 | 17.52 | | | | |
| 10 | QPSK | 1 | 25 | 17.48 | 17.42 | 17.43 | | | | |
| 10 | QPSK | 1 | 49 | 17.25 | 17.45 | 17.49 | | | | |
| 10 | QPSK | 12 | 0 | 17.36 | 17.44 | 17.44 | | | | |
| 10 | QPSK | 25 | 12 | 17.28 | 17.54 | 17.48 | | | | |
| 10 | QPSK | 25 | 25 | 17.36 | 17.37 | 17.25 | | | | |
| 10 | 16QAM | 1 | 0 | 17.45 | 17.54 | 17.44 | | | | |
| 10 | 16QAM | 1 | 24 | 17.31 | 17.41 | 17.49 | | | | |
| 10 | 16QAM | 1 | 49 | 17.36 | 17.49 | 17.41 | | | | |
| 10 | 16QAM | 25 | 0 | 17.19 | 17.44 | 17.39 | | | | |
| 10 | 16QAM | 25 | 12 | 17.29 | 17.56 | 17.37 | | | | |
| 10 | 16QAM | 50 | 0 | 17.28 | 17.48 | 17.38 | | | | |
| 10 | 16QAM | 50 | 0 | 17.24 | 17.35 | 17.25 | | | | |
| 10 | 16QAM | 1 | 0 | 17.36 | 17.50 | 17.27 | | | | |
| 10 | 16QAM | 1 | 24 | 17.48 | 17.48 | 17.48 | | | | |
| 10 | 16QAM | 1 | 49 | 17.29 | 17.52 | 17.47 | | | | |
| 10 | 16QAM | 25 | 0 | 17.36 | 17.38 | 17.34 | | | | |
| 10 | 16QAM | 25 | 12 | 17.37 | 17.57 | 17.47 | | | | |
| 10 | 16QAM | 50 | 0 | 17.48 | 17.50 | 17.47 | | | | |
| 10 | 16QAM | 50 | 25 | 17.48 | 17.50 | 17.47 | | | | |
| 10 | 16QAM | 1 | 0 | 17.48 | 17.64 | 17.68 | | | | |
| 10 | 16QAM | 1 | 24 | 17.58 | 17.61 | 17.58 | | | | |
| 10 | 16QAM | 1 | 49 | 17.58 | 17.64 | 17.63 | | | | |
| 10 | 16QAM | 25 | 0 | 17.50 | 17.51 | 17.59 | | | | |
| 10 | 16QAM | 25 | 12 | 17.50 | 17.56 | 17.41 | | | | |
| 10 | 16QAM | 25 | 25 | 17.46 | 17.50 | 17.41 | | | | |
| 10 | 16QAM | 50 | 0 | 17.56 | 17.56 | 17.49 | | | | |
| Channel | | | | | | | | | | |
| 1802.5 1800 1907.5 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 17.62 | 17.62 | 17.53 | | | | |
| 5 | QPSK | 1 | 12 | 17.37 | 17.54 | 17.56 | | | | |
| 5 | QPSK | 1 | 24 | 17.50 | 17.51 | 17.41 | | | | |
| 5 | QPSK | 12 | 0 | 17.36 | 17.44 | 17.44 | | | | |
| 5 | QPSK | 12 | 7 | 17.41 | 17.50 | 17.54 | | | | |
| 5 | QPSK | 12 | 13 | 17.29 | 17.54 | 17.48 | | | | |
| 5 | QPSK | 25 | 0 | 17.44 | 17.47 | 17.47 | | | | |
| 5 | 16QAM | 1 | 0 | 17.20 | 17.48 | 17.37 | | | | |
| 5 | 16QAM | 1 | 12 | 17.46 | 17.59 | 17.37 | | | | |
| 5 | 16QAM | 1 | 24 | 17.28 | 17.49 | 17.40 | | | | |
| 5 | 16QAM | 12 | 0 | 17.40 | 17.49 | 17.36 | | | | |
| 5 | 16QAM | 12 | 7 | 17.20 | 17.34 | 17.34 | | | | |
| 5 | 16QAM | 12 | 13 | 17.26 | 17.51 | 17.29 | | | | |
| 5 | 16QAM | 25 | 0 | 17.23 | 17.32 | 17.39 | | | | |
| 5 | 16QAM | 1 | 0 | 17.33 | 17.35 | 17.22 | | | | |
| 5 | 16QAM | 1 | 12 | 17.23 | 17.49 | 17.27 | | | | |
| 5 | 16QAM | 1 | 24 | 17.54 | 17.53 | 17.42 | | | | |
| 5 | 16QAM | 12 | 0 | 17.35 | 17.45 | 17.43 | | | | |
| 5 | 16QAM | 12 | 7 | 17.33 | 17.24 | 17.41 | | | | |
| 5 | 16QAM | 12 | 13 | 17.22 | 17.49 | 17.45 | | | | |
| 5 | 16QAM | 25 | 0 | 17.52 | 17.50 | 17.44 | | | | |
| 5 | 16QAM | 1 | 0 | 17.71 | 17.81 | 17.83 | | | | |
| 5 | 16QAM | 1 | 12 | 17.50 | 17.59 | 17.48 | | | | |
| 5 | 16QAM | 1 | 24 | 17.59 | 17.51 | 17.55 | | | | |
| 5 | 16QAM | 12 | 0 | 17.54 | 17.70 | 17.64 | | | | |
| 5 | 16QAM | 12 | 7 | 17.54 | 17.53 | 17.48 | | | | |
| 5 | 16QAM | 12 | 13 | 17.38 | 17.54 | 17.52 | | | | |
| 5 | 16QAM | 25 | 0 | 17.48 | 17.56 | 17.51 | | | | |
| Channel | | | | | | | | | | |
| 1861.6 1800 1918.6 | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 17.57 | 17.57 | 17.53 | | | | |
| 3 | QPSK | 1 | 8 | 17.43 | 17.50 | 17.63 | | | | |
| 3 | QPSK | 1 | 14 | 17.53 | 17.52 | 17.39 | | | | |
| 3 | QPSK | 8 | 0 | 17.38 | 17.45 | 17.46 | | | | |
| 3 | QPSK | 8 | 4 | 17.43 | 17.54 | 17.48 | | | | |
| 3 | QPSK | 8 | 7 | 17.33 | 17.48 | 17.46 | | | | |
| 3 | QPSK | 15 | 0 | 17.31 | 17.41 | 17.28 | | | | |
| 3 | 16QAM | 1 | 0 | 17.18 | 17.49 | 17.33 | | | | |
| 3 | 16QAM | 1 | 8 | 17.41 | 17.53 | 17.38 | | | | |
| 3 | 16QAM | 1 | 14 | 17.31 | 17.39 | 17.45 | | | | |
| 3 | 16QAM | 8 | 0 | 17.45 | 17.49 | 17.29 | | | | |
| 3 | 16QAM | 8 | 4 | 17.15 | 17.45 | 17.30 | | | | |
| 3 | 16QAM | 15 | 0 | 17.35 | 17.47 | 17.29 | | | | |
| 3 | 16QAM | 1 | 0 | 17.28 | 17.27 | 17.18 | | | | |
| 3 | 16QAM | 1 | 8 | 17.26 | 17.29 | 17.29 | | | | |
| 3 | 16QAM | 1 | 14 | 17.47 | 17.57 | 17.42 | | | | |
| 3 | 16QAM | 8 | 0 | 17.29 | 17.49 | 17.44 | | | | |
| 3 | 16QAM | 8 | 4 | 17.40 | 17.40 | 17.42 | | | | |
| 3 | 16QAM | 8 | 7 | 17.24 | 17.44 | 17.44 | | | | |



| Band 25 Main PA Ant2 DSI4 | | | | | | | | | | |
|---------------------------|-----------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Turn-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1860 | 1880 | 1900 | | | | |
| 20 | QPSK | 1 | 0 | 20.51 | 20.72 | 20.98 | | | | |
| 20 | QPSK | 1 | 49 | 20.48 | 20.69 | 20.95 | 22 | 0 | | |
| 20 | QPSK | 1 | 99 | 20.34 | 20.54 | 20.80 | | | | |
| 20 | QPSK | 50 | 0 | 20.48 | 20.71 | 20.93 | | | | |
| 20 | QPSK | 50 | 24 | 20.54 | 20.76 | 20.98 | | | | |
| 20 | QPSK | 50 | 50 | 20.41 | 20.59 | 20.47 | 22 | 0 | | |
| 20 | QPSK | 100 | 0 | 20.59 | 20.85 | 20.81 | | | | |
| 20 | 16QAM | 1 | 0 | 20.48 | 20.69 | 20.93 | | | | |
| 20 | 16QAM | 1 | 49 | 20.43 | 20.51 | 20.46 | 22 | 0 | | |
| 20 | 16QAM | 1 | 99 | 20.55 | 20.62 | 20.63 | | | | |
| 20 | 16QAM | 50 | 0 | 20.52 | 20.69 | 20.99 | | | | |
| 20 | 16QAM | 50 | 24 | 20.42 | 20.48 | 20.43 | 22 | 0 | | |
| 20 | 16QAM | 50 | 50 | 20.52 | 20.71 | 20.95 | | | | |
| 20 | 16QAM | 100 | 0 | 20.55 | 20.69 | 20.81 | | | | |
| 20 | 64QAM | 1 | 0 | 20.35 | 20.54 | 20.50 | | | | |
| 20 | 64QAM | 1 | 49 | 20.50 | 20.66 | 20.56 | 22 | 0 | | |
| 20 | 64QAM | 1 | 99 | 20.47 | 20.66 | 20.65 | | | | |
| 20 | 64QAM | 50 | 0 | 20.41 | 20.48 | 20.51 | | | | |
| 20 | 64QAM | 50 | 24 | 20.47 | 20.61 | 20.57 | 22 | 0 | | |
| 20 | 64QAM | 50 | 50 | 20.50 | 20.66 | 20.56 | | | | |
| 20 | 256QAM | 100 | 0 | 18.73 | 18.66 | 18.71 | | | | |
| 20 | 256QAM | 1 | 49 | 18.96 | 18.72 | 18.59 | 20 | 2 | | |
| 20 | 256QAM | 1 | 99 | 18.71 | 18.75 | 18.66 | | | | |
| 20 | 256QAM | 50 | 0 | 18.54 | 18.65 | 18.69 | | | | |
| 20 | 256QAM | 50 | 24 | 18.96 | 18.69 | 18.57 | 20 | 2 | | |
| 20 | 256QAM | 50 | 50 | 18.60 | 18.68 | 18.61 | | | | |
| 20 | 256QAM | 100 | 0 | 18.53 | 18.60 | 18.61 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1875 | 1880 | 1907.5 | Turn-up (min) | MPR (dB) | | |
| 15 | QPSK | 1 | 0 | 20.54 | 20.65 | 20.81 | | | | |
| 15 | QPSK | 1 | 37 | 20.46 | 20.56 | 20.61 | 22 | 0 | | |
| 15 | QPSK | 1 | 74 | 20.29 | 20.57 | 20.40 | | | | |
| 15 | QPSK | 36 | 0 | 20.48 | 20.71 | 20.59 | | | | |
| 15 | QPSK | 36 | 20 | 20.55 | 20.81 | 20.61 | 22 | 0 | | |
| 15 | QPSK | 36 | 39 | 20.45 | 20.52 | 20.50 | | | | |
| 15 | QPSK | 75 | 0 | 20.63 | 20.66 | 20.67 | | | | |
| 15 | 16QAM | 1 | 0 | 20.50 | 20.66 | 20.50 | | | | |
| 15 | 16QAM | 1 | 37 | 20.49 | 20.48 | 20.47 | 22 | 0 | | |
| 15 | 16QAM | 1 | 74 | 20.59 | 20.66 | 20.66 | | | | |
| 15 | 16QAM | 36 | 0 | 20.49 | 20.64 | 20.56 | | | | |
| 15 | 16QAM | 36 | 20 | 20.46 | 20.48 | 20.48 | 22 | 0 | | |
| 15 | 16QAM | 75 | 0 | 20.49 | 20.70 | 20.58 | | | | |
| 15 | 64QAM | 1 | 0 | 20.30 | 20.59 | 20.46 | | | | |
| 15 | 64QAM | 1 | 37 | 20.50 | 20.66 | 20.54 | 22 | 0 | | |
| 15 | 64QAM | 1 | 74 | 20.45 | 20.57 | 20.53 | | | | |
| 15 | 64QAM | 36 | 0 | 20.38 | 20.50 | 20.45 | | | | |
| 15 | 64QAM | 36 | 20 | 20.53 | 20.66 | 20.56 | 22 | 0 | | |
| 15 | 64QAM | 36 | 39 | 20.47 | 20.71 | 20.54 | | | | |
| 15 | 64QAM | 75 | 0 | 20.32 | 20.43 | 20.38 | | | | |
| 15 | 256QAM | 1 | 0 | 18.64 | 18.72 | 18.67 | | | | |
| 15 | 256QAM | 1 | 37 | 18.54 | 18.65 | 18.45 | 20 | 2 | | |
| 15 | 256QAM | 1 | 74 | 18.83 | 18.70 | 18.52 | | | | |
| 15 | 256QAM | 36 | 0 | 18.53 | 18.45 | 18.58 | | | | |
| 15 | 256QAM | 36 | 20 | 18.51 | 18.50 | 18.47 | 20 | 2 | | |
| 15 | 256QAM | 36 | 39 | 18.48 | 18.53 | 18.53 | | | | |
| 15 | 256QAM | 75 | 0 | 18.96 | 18.45 | 18.42 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1890 | 1894 | 1910 | Turn-up (min) | MPR (dB) | | |
| 10 | QPSK | 1 | 0 | 20.50 | 20.69 | 20.50 | | | | |
| 10 | QPSK | 1 | 25 | 20.46 | 20.58 | 20.55 | 22 | 0 | | |
| 10 | QPSK | 1 | 49 | 20.31 | 20.59 | 20.42 | | | | |
| 10 | QPSK | 25 | 0 | 20.48 | 20.68 | 20.68 | | | | |
| 10 | QPSK | 25 | 12 | 20.57 | 20.61 | 20.61 | 22 | 0 | | |
| 10 | QPSK | 25 | 25 | 20.39 | 20.51 | 20.51 | | | | |
| 10 | QPSK | 50 | 0 | 20.63 | 20.66 | 20.67 | | | | |
| 10 | 16QAM | 1 | 0 | 20.48 | 20.64 | 20.57 | | | | |
| 10 | 16QAM | 1 | 25 | 20.39 | 20.47 | 20.52 | 22 | 0 | | |
| 10 | 16QAM | 1 | 49 | 20.50 | 20.66 | 20.66 | | | | |
| 10 | 16QAM | 25 | 0 | 20.48 | 20.60 | 20.59 | | | | |
| 10 | 16QAM | 25 | 12 | 20.47 | 20.47 | 20.44 | 22 | 0 | | |
| 10 | 16QAM | 25 | 25 | 20.50 | 20.70 | 20.44 | | | | |
| 10 | 16QAM | 50 | 0 | 20.57 | 20.58 | 20.57 | | | | |
| 10 | 64QAM | 1 | 0 | 20.36 | 20.49 | 20.51 | | | | |
| 10 | 64QAM | 1 | 25 | 20.51 | 20.65 | 20.60 | 22 | 0 | | |
| 10 | 64QAM | 1 | 49 | 20.51 | 20.64 | 20.54 | | | | |
| 10 | 64QAM | 25 | 0 | 20.42 | 20.46 | 20.59 | | | | |
| 10 | 64QAM | 25 | 12 | 20.52 | 20.66 | 20.67 | 22 | 0 | | |
| 10 | 64QAM | 25 | 25 | 20.54 | 20.71 | 20.51 | | | | |
| 10 | 64QAM | 50 | 0 | 20.52 | 20.63 | 20.63 | | | | |
| 10 | 256QAM | 1 | 0 | 18.65 | 18.72 | 18.58 | | | | |
| 10 | 256QAM | 1 | 25 | 18.63 | 18.64 | 18.61 | 20 | 2 | | |
| 10 | 256QAM | 1 | 49 | 18.67 | 18.66 | 18.61 | | | | |
| 10 | 256QAM | 25 | 0 | 18.51 | 18.52 | 18.57 | | | | |
| 10 | 256QAM | 25 | 12 | 18.45 | 18.60 | 18.50 | 20 | 2 | | |
| 10 | 256QAM | 25 | 25 | 18.48 | 18.50 | 18.57 | | | | |
| 10 | 256QAM | 50 | 0 | 18.49 | 18.60 | 18.48 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1896 | 1912.5 | Turn-up (min) | MPR (dB) | | |
| 5 | QPSK | 1 | 0 | 20.58 | 20.72 | 20.75 | | | | |
| 5 | QPSK | 1 | 12 | 20.50 | 20.53 | 20.51 | 22 | 0 | | |
| 5 | QPSK | 1 | 24 | 20.36 | 20.51 | 20.41 | | | | |
| 5 | QPSK | 12 | 0 | 20.52 | 20.58 | 20.68 | | | | |
| 5 | QPSK | 12 | 7 | 20.51 | 20.60 | 20.60 | 22 | 0 | | |
| 5 | QPSK | 12 | 13 | 20.39 | 20.51 | 20.50 | | | | |
| 5 | QPSK | 25 | 0 | 20.63 | 20.70 | 20.60 | | | | |
| 5 | 16QAM | 1 | 0 | 20.44 | 20.68 | 20.55 | | | | |
| 5 | 16QAM | 1 | 12 | 20.38 | 20.50 | 20.49 | 22 | 0 | | |
| 5 | 16QAM | 1 | 24 | 20.58 | 20.50 | 20.67 | | | | |
| 5 | 16QAM | 12 | 0 | 20.50 | 20.71 | 20.56 | | | | |
| 5 | 16QAM | 12 | 7 | 20.43 | 20.51 | 20.44 | 22 | 0 | | |
| 5 | 16QAM | 12 | 13 | 20.52 | 20.72 | 20.58 | | | | |
| 5 | 16QAM | 25 | 0 | 20.57 | 20.67 | 20.56 | | | | |
| 5 | 64QAM | 1 | 0 | 20.33 | 20.56 | 20.53 | | | | |
| 5 | 64QAM | 1 | 12 | 20.48 | 20.50 | 20.53 | 22 | 0 | | |
| 5 | 64QAM | 1 | 24 | 20.53 | 20.64 | 20.56 | | | | |
| 5 | 64QAM | 12 | 0 | 20.42 | 20.42 | 20.63 | | | | |
| 5 | 64QAM | 12 | 7 | 20.50 | 20.52 | 20.56 | 22 | 0 | | |
| 5 | 64QAM | 25 | 0 | 20.31 | 20.45 | 20.46 | | | | |
| 5 | 256QAM | 1 | 0 | 18.60 | 18.72 | 18.60 | | | | |
| 5 | 256QAM | 1 | 12 | 18.58 | 18.63 | 18.48 | 20 | 2 | | |
| 5 | 256QAM | 1 | 24 | 18.60 | 18.66 | 18.57 | | | | |
| 5 | 256QAM | 12 | 0 | 18.54 | 18.59 | 18.65 | | | | |
| 5 | 256QAM | 12 | 7 | 18.41 | 18.62 | 18.50 | 20 | 2 | | |
| 5 | 256QAM | 12 | 13 | 18.50 | 18.60 | 18.50 | | | | |
| 5 | 256QAM | 25 | 0 | 18.55 | 18.50 | 18.50 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1905 | 1906 | 1917.5 | Turn-up (min) | MPR (dB) | | |
| 3 | QPSK | 1 | 0 | 20.49 | 20.67 | 20.57 | | | | |
| 3 | QPSK | 1 | 8 | 20.53 | 20.58 | 20.58 | 22 | 0 | | |
| 3 | QPSK | 1 | 14 | 20.31 | 20.50 | 20.40 | | | | |
| 3 | QPSK | 8 | 0 | 20.44 | 20.70 | 20.62 | | | | |
| 3 | QPSK | 8 | 4 | 20.53 | 20.64 | 20.59 | 22 | 0 | | |
| 3 | QPSK | 8 | 7 | 20.36 | 20.50 | 20.44 | | | | |
| 3 | QPSK | 15 | 0 | 20.57 | 20.69 | 20.69 | | | | |
| 3 | 16QAM | 1 | 0 | 20.45 | 20.66 | 20.48 | | | | |
| 3 | 16QAM | 1 | 8 | 20.42 | 20.55 | 20.46 | 22 | 0 | | |
| 3 | 16QAM | 1 | 14 | 20.58 | 20.69 | 20.64 | | | | |
| 3 | 16QAM | 8 | 0 | 20.57 | 20.67 | 20.60 | | | | |
| 3 | 16QAM | 8 | 4 | 20.48 | 20.47 | 20.48 | 22 | 0 | | |
| 3 | 16QAM | 15 | 0 | 20.52 | 20.69 | 20.58 | | | | |
| 3 | 64QAM | 1 | 0 | 20.31 | 20.38 | 20.45 | | | | |
| 3 | 64QAM | 1 | 8 | 20.44 | 20.67 | | | | | |



| Band 38 Main PA Ant2 DS14 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|-------------------------|--------------------------|---------------------|----------|---|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid-Mid Ch / Freq | Power High-Mid Ch / Freq | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.22 | 23.27 | 23.13 | | | | |
| 20 | QPSK | 1 | 49 | 23.22 | 23.15 | 23.09 | | 23.5 | 0 | |
| 20 | QPSK | 50 | 24 | 23.19 | 23.16 | 23.06 | | | | |
| 20 | QPSK | 50 | 0 | 23.17 | 23.28 | 23.22 | | | | |
| 20 | QPSK | 50 | 24 | 23.10 | 23.15 | 23.18 | | 23.5 | 0 | |
| 20 | QPSK | 100 | 0 | 23.15 | 23.22 | 23.21 | | | | |
| 20 | 16QAM | 1 | 0 | 23.08 | 23.20 | 23.18 | | 23.5 | 0 | |
| 20 | 16QAM | 1 | 49 | 23.14 | 23.13 | 23.08 | | | | |
| 20 | 16QAM | 1 | 99 | 23.17 | 23.26 | 23.26 | | | | |
| 20 | 16QAM | 50 | 0 | 23.11 | 23.22 | 23.15 | | | | |
| 20 | 16QAM | 50 | 24 | 23.06 | 23.14 | 23.06 | | | | |
| 20 | 16QAM | 50 | 50 | 23.21 | 23.22 | 23.19 | | 23.5 | 0 | |
| 20 | 16QAM | 100 | 0 | 23.13 | 23.15 | 23.05 | | | | |
| 20 | 16QAM | 100 | 0 | 23.05 | 23.16 | 23.09 | | | | |
| 20 | 16QAM | 1 | 49 | 23.05 | 23.22 | 23.16 | | 23.5 | 0 | |
| 20 | 16QAM | 1 | 99 | 23.04 | 23.20 | 23.13 | | | | |
| 20 | 16QAM | 50 | 24 | 22.22 | 22.27 | 22.21 | | | | |
| 20 | 16QAM | 50 | 24 | 22.08 | 22.22 | 22.08 | | 22.5 | 1 | |
| 20 | 16QAM | 50 | 50 | 22.20 | 22.27 | 22.19 | | | | |
| 20 | 16QAM | 100 | 0 | 22.16 | 22.22 | 22.19 | | | | |
| 20 | 25QAM | 1 | 0 | 20.26 | 20.30 | 20.24 | | | | |
| 20 | 25QAM | 1 | 49 | 20.26 | 20.23 | 20.13 | | 20.5 | 3 | |
| 20 | 25QAM | 1 | 99 | 20.18 | 20.24 | 20.12 | | | | |
| 20 | 25QAM | 50 | 0 | 20.24 | 20.25 | 20.16 | | | | |
| 20 | 25QAM | 50 | 24 | 20.23 | 20.16 | 20.11 | | 20.5 | 3 | |
| 20 | 25QAM | 50 | 50 | 20.08 | 20.20 | 20.11 | | | | |
| 20 | 25QAM | 100 | 0 | 20.09 | 20.13 | 20.08 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.23 | 23.24 | 23.23 | | | | |
| 15 | QPSK | 1 | 37 | 23.04 | 23.14 | 23.14 | | 23.5 | 0 | |
| 15 | QPSK | 1 | 74 | 23.12 | 23.11 | 23.07 | | | | |
| 15 | QPSK | 36 | 0 | 23.22 | 23.25 | 23.19 | | | | |
| 15 | QPSK | 36 | 20 | 23.08 | 23.15 | 23.18 | | 23.5 | 0 | |
| 15 | 16QAM | 1 | 0 | 23.09 | 23.19 | 23.09 | | | | |
| 15 | 16QAM | 1 | 74 | 23.14 | 23.23 | 23.20 | | 23.5 | 0 | |
| 15 | 16QAM | 36 | 0 | 23.18 | 23.24 | 23.11 | | | | |
| 15 | 16QAM | 36 | 20 | 23.04 | 23.15 | 23.18 | | 23.5 | 0 | |
| 15 | 16QAM | 36 | 59 | 23.27 | 23.28 | 23.20 | | | | |
| 15 | 16QAM | 75 | 0 | 23.15 | 23.13 | 23.02 | | | | |
| 15 | 16QAM | 1 | 0 | 23.12 | 23.14 | 23.14 | | | | |
| 15 | 16QAM | 1 | 37 | 23.10 | 23.23 | 23.08 | | 23.5 | 0 | |
| 15 | 16QAM | 1 | 74 | 23.01 | 23.18 | 23.16 | | | | |
| 15 | 16QAM | 36 | 0 | 23.11 | 23.17 | 23.13 | | | | |
| 15 | 16QAM | 36 | 20 | 21.94 | 22.14 | 22.09 | | 22.5 | 1 | |
| 15 | 16QAM | 36 | 59 | 23.13 | 23.12 | 23.05 | | | | |
| 15 | 16QAM | 75 | 0 | 21.95 | 22.11 | 22.00 | | | | |
| 15 | 25QAM | 1 | 0 | 20.21 | 20.22 | 20.10 | | 20.5 | 3 | |
| 15 | 25QAM | 1 | 37 | 20.20 | 20.12 | 20.00 | | | | |
| 15 | 25QAM | 1 | 74 | 20.07 | 20.15 | 20.09 | | | | |
| 15 | 25QAM | 36 | 0 | 20.04 | 20.19 | 20.11 | | 20.5 | 3 | |
| 15 | 25QAM | 36 | 20 | 19.92 | 20.08 | 20.05 | | | | |
| 15 | 25QAM | 36 | 59 | 19.88 | 20.12 | 20.03 | | | | |
| 15 | 25QAM | 75 | 0 | 20.03 | 20.07 | 19.98 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.16 | 23.27 | 23.18 | | | | |
| 10 | QPSK | 1 | 25 | 23.08 | 23.19 | 23.13 | | 23.5 | 0 | |
| 10 | QPSK | 1 | 49 | 23.15 | 23.21 | 23.08 | | | | |
| 10 | QPSK | 25 | 0 | 23.22 | 23.30 | 23.17 | | | | |
| 10 | QPSK | 25 | 12 | 23.05 | 23.13 | 23.14 | | 23.5 | 0 | |
| 10 | QPSK | 25 | 25 | 23.04 | 23.16 | 23.00 | | | | |
| 10 | 16QAM | 1 | 0 | 23.16 | 23.25 | 23.15 | | | | |
| 10 | 16QAM | 1 | 0 | 23.10 | 23.25 | 23.15 | | | | |
| 10 | 16QAM | 1 | 25 | 23.06 | 23.16 | 23.08 | | 23.5 | 0 | |
| 10 | 16QAM | 1 | 49 | 23.18 | 23.26 | 23.31 | | | | |
| 10 | 16QAM | 25 | 0 | 23.08 | 23.27 | 23.19 | | | | |
| 10 | 16QAM | 25 | 12 | 23.05 | 23.16 | 23.05 | | 23.5 | 0 | |
| 10 | 16QAM | 25 | 19 | 23.05 | 23.16 | 23.05 | | | | |
| 10 | 16QAM | 25 | 26 | 23.22 | 23.20 | 23.23 | | | | |
| 10 | 16QAM | 50 | 0 | 23.11 | 23.13 | 23.02 | | | | |
| 10 | 16QAM | 1 | 0 | 23.03 | 23.12 | 23.05 | | | | |
| 10 | 16QAM | 1 | 25 | 23.00 | 23.20 | 23.12 | | 23.5 | 0 | |
| 10 | 16QAM | 1 | 49 | 22.99 | 23.18 | 23.07 | | | | |
| 10 | 16QAM | 25 | 0 | 22.12 | 22.18 | 22.12 | | 22.5 | 1 | |
| 10 | 16QAM | 25 | 12 | 22.02 | 22.13 | 21.96 | | | | |
| 10 | 16QAM | 25 | 19 | 22.11 | 22.17 | 22.05 | | | | |
| 10 | 16QAM | 50 | 0 | 22.24 | 22.14 | 22.07 | | | | |
| 10 | 25QAM | 1 | 0 | 20.20 | 20.18 | 20.11 | | | | |
| 10 | 25QAM | 1 | 25 | 20.11 | 20.13 | 20.01 | | 20.5 | 3 | |
| 10 | 25QAM | 1 | 49 | 20.14 | 20.15 | 20.03 | | | | |
| 10 | 25QAM | 25 | 0 | 20.04 | 20.17 | 20.10 | | | | |
| 10 | 25QAM | 25 | 12 | 19.91 | 20.04 | 19.97 | | 20.5 | 3 | |
| 10 | 25QAM | 25 | 19 | 19.93 | 20.06 | 20.00 | | | | |
| 10 | 25QAM | 50 | 0 | 19.98 | 20.09 | 19.91 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.18 | 23.26 | 23.12 | | | | |
| 5 | QPSK | 1 | 19 | 23.04 | 23.12 | 23.12 | | 23.5 | 0 | |
| 5 | QPSK | 1 | 24 | 23.09 | 23.10 | 23.05 | | | | |
| 5 | QPSK | 12 | 0 | 23.22 | 23.24 | 23.16 | | | | |
| 5 | QPSK | 12 | 7 | 23.13 | 23.21 | 23.15 | | 23.5 | 0 | |
| 5 | QPSK | 12 | 19 | 23.00 | 23.12 | 23.01 | | | | |
| 5 | QPSK | 25 | 0 | 23.16 | 23.21 | 23.26 | | | | |
| 5 | QPSK | 25 | 0 | 23.07 | 23.14 | 23.12 | | | | |
| 5 | 16QAM | 1 | 12 | 23.05 | 23.16 | 23.13 | | 23.5 | 0 | |
| 5 | 16QAM | 1 | 24 | 23.19 | 23.26 | 23.26 | | | | |
| 5 | 16QAM | 12 | 0 | 23.06 | 23.22 | 23.16 | | | | |
| 5 | 16QAM | 12 | 7 | 23.08 | 23.14 | 23.07 | | 23.5 | 0 | |
| 5 | 16QAM | 12 | 13 | 23.16 | 23.18 | 23.14 | | | | |
| 5 | 16QAM | 25 | 0 | 23.13 | 23.12 | 23.06 | | | | |
| 5 | 16QAM | 1 | 0 | 23.12 | 23.18 | 23.07 | | 23.5 | 0 | |
| 5 | 16QAM | 1 | 12 | 22.96 | 23.22 | 23.11 | | | | |
| 5 | 16QAM | 1 | 24 | 23.09 | 23.22 | 23.09 | | | | |
| 5 | 16QAM | 12 | 0 | 22.10 | 22.21 | 22.14 | | 22.5 | 1 | |
| 5 | 16QAM | 12 | 7 | 22.20 | 22.15 | 22.00 | | | | |
| 5 | 16QAM | 12 | 13 | 22.16 | 22.18 | 22.06 | | | | |
| 5 | 16QAM | 25 | 0 | 22.06 | 22.16 | 22.06 | | | | |
| 5 | 25QAM | 1 | 0 | 20.17 | 20.15 | 20.15 | | | | |
| 5 | 25QAM | 1 | 12 | 20.16 | 20.16 | 20.03 | | 20.5 | 3 | |
| 5 | 25QAM | 1 | 24 | 20.10 | 20.11 | 20.09 | | | | |
| 5 | 25QAM | 12 | 0 | 20.00 | 20.11 | 20.09 | | | | |
| 5 | 25QAM | 12 | 7 | 19.92 | 20.03 | 19.97 | | 20.5 | 3 | |
| 5 | 25QAM | 12 | 13 | 20.01 | 20.16 | 20.07 | | | | |
| 5 | 25QAM | 25 | 0 | 19.98 | 20.05 | 19.95 | | | | |

| Band 41 Main PA Ant2 DS14 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Low-Mid Ch / Freq | Power High-Mid Ch / Freq | Power High-Mid Ch / Freq | Power High-Mid Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.23 | 23.25 | 23.19 | 23.15 | 23.22 | | |
| 20 | QPSK | 1 | 49 | 23.03 | 23.17 | 23.20 | 23.20 | 23.28 | | 23.5 |
| 20 | QPSK | 1 | 99 | 23.18 | 23.19 | 23.26 | 23.20 | 23.23 | | |
| 20 | QPSK | 50 | 0 | 23.16 | 23.30 | 23.42 | 23.26 | 23.32 | | |
| 20 | QPSK | 50 | 24 | 23.00 | 23.21 | 23.21 | 23.24 | 23.18 | | 23.5 |
| 20 | QPSK | 50 | 24 | 23.10 | 23.23 | 23.22 | 23.22 | 23.13 | | |
| 20 | QPSK | 100 | 0 | 23.19 | 23.26 | 23.42 | 23.37 | 23.42 | | |
| 20 | 16QAM | 1 | 0 | 22.98 | 23.20 | 23.26 | 23.26 | 23.12 | | 23.5 |
| 20 | 16QAM | 1 | 49 | 23.14 | 23.21 | 23.36 | 23.27 | 23.12 | | |
| 20 | 16QAM | 1 | 99 | 23.17 | 23.32 | 23.39 | 23.36 | 23.26 | | |
| 20 | 16QAM | 50 | 0 | 23.09 | 23.26 | 23.27 | 23.20 | 23.13 | | |
| 20 | 16QAM | 50 | 24 | 23.12 | 23.19 | 23.38 | 23.24 | 23.19 | | 23.5 |
| 20 | 16QAM | 50 | 50 | 23.18 | 23.26 | 23.38 | 23.26 | 23.19 | | |
| 20 | 16QAM | 100 | 0 | 23.04 | 23.27 | 23.32 | 23.20 | 23.17 | | |
| 20 | 16QAM | 100 | 0 | 23.14 | 23.21 | 23.33 | 23.28 | 23.20 | | |
| 20 | 16QAM | 1 | 49 | 23.07 | 23.23 | 23.28 | 23.26 | 23.09 | | 23.5 |
| 20 | 16QAM | 1 | 99 | 23.17 | 23.19 | 23.28 | 23.22 | 23.16 | | |
| 20 | 16QAM | 50 | 24 | 22.20 | 22.24 | 22.30 | 22.26 | 22.28 | | |
| 20 | 16QAM | 50 | 24 | 22.09 | 22.25 | 22.28 | 22.20 | 22.15 | | 22.5 |
| 20 | 16QAM | 50 | 50 | 22.02 | 22.28 | 22.37 | 22.25 | 22.28 | | |
| 20 | 16QAM | 100 | 0 | 22.21 | 22.23 | 22.37 | 22.30 | 22.22 | | |
| 20 | 16QAM | 100 | 0 | 20.27 | 20.23 | 20.36 | 20.41 | 20.22 | | |
| 20 | 16QAM | 1 | 49 | 20.24 | 20.35 | 20.39 | 20.19 | 20.23 | | 20.5 |
| 20 | 16QAM | 1 | 99 | 20.21 | 20.36 | 20.35 | 20.22 | 20.24 | | |
| 20 | 16QAM | 50 | 0 | 20.27 | 20.22 | 20.37 | 20.30 | 20.24 | | |
| 20 | 16QAM | 50 | 24 | 20.14 | 20.14 | 20.30 | 20.20 | 20.21 | | 20.5 |
| 20 | 16QAM | 50 | 50 | 20.13 | 20.21 | 20.29 | 20.16 | 20.14 | | |
| 20 | 16QAM | 100 | 0 | 20.20 | 20.13 | 20.24 | 20.16 | 20.15 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 16 | QPSK | 1 | 0 | 23.24 | 23.25 | 23.23 | 23.17 | 23.22 | | |
| 16 | QPSK | 1 | 37 | 22.99 | 23.14 | 23.20 | 23.25 | 23.07 | | 24 |
| 16 | | | | | | | | | | |



| Band 4 Main PA Ant3 DSI4 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Mid Ch./Freq. | Power High Ch./Freq. | Turn-up time (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 17.81 | 17.83 | 17.78 | | | | |
| 20 | QPSK | 1 | 49 | 17.87 | 17.83 | 17.82 | 19.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 17.89 | 17.73 | 17.78 | | | | |
| 20 | QPSK | 50 | 0 | 17.97 | 17.74 | 17.62 | | | | |
| 20 | QPSK | 50 | 24 | 17.71 | 17.61 | 17.62 | 19.5 | 0 | | |
| 20 | QPSK | 50 | 50 | 17.59 | 17.54 | 17.59 | | | | |
| 20 | QPSK | 100 | 0 | 17.66 | 17.63 | 17.61 | | | | |
| 20 | 16QAM | 1 | 0 | 17.82 | 17.81 | 17.81 | 19.5 | 0 | | |
| 20 | 16QAM | 1 | 49 | 17.59 | 17.61 | 17.63 | | | | |
| 20 | 16QAM | 1 | 99 | 17.63 | 17.63 | 17.64 | | | | |
| 20 | 16QAM | 50 | 0 | 17.86 | 17.69 | 17.59 | 19.5 | 0 | | |
| 20 | 16QAM | 50 | 24 | 17.74 | 17.76 | 17.73 | | | | |
| 20 | 16QAM | 50 | 50 | 17.57 | 17.61 | 17.67 | | | | |
| 20 | 16QAM | 100 | 0 | 17.79 | 17.69 | 17.57 | 19.5 | 0 | | |
| 20 | 84QAM | 1 | 0 | 17.63 | 17.64 | 17.70 | | | | |
| 20 | 84QAM | 1 | 49 | 17.80 | 17.74 | 17.68 | 19.5 | 0 | | |
| 20 | 84QAM | 1 | 99 | 17.65 | 17.63 | 17.63 | | | | |
| 20 | 84QAM | 50 | 0 | 17.56 | 17.67 | 17.57 | 19.5 | 0 | | |
| 20 | 84QAM | 50 | 24 | 17.53 | 17.58 | 17.52 | | | | |
| 20 | 84QAM | 50 | 50 | 17.58 | 17.56 | 17.56 | 19.5 | 0 | | |
| 20 | 256QAM | 1 | 0 | 17.55 | 17.59 | 17.64 | | | | |
| 20 | 256QAM | 1 | 49 | 17.55 | 17.54 | 17.54 | 19.5 | 0 | | |
| 20 | 256QAM | 1 | 99 | 17.55 | 17.51 | 17.52 | | | | |
| 20 | 256QAM | 50 | 0 | 17.58 | 17.59 | 17.62 | 19.5 | 0 | | |
| 20 | 256QAM | 50 | 24 | 17.54 | 17.68 | 17.58 | | | | |
| 20 | 256QAM | 50 | 50 | 17.60 | 17.72 | 17.67 | 19.5 | 0 | | |
| 20 | 256QAM | 100 | 0 | 17.61 | 17.66 | 17.68 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 17.72 | 17.60 | 17.57 | | | | |
| 15 | QPSK | 1 | 37 | 17.66 | 17.63 | 17.62 | 19.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 17.75 | 17.63 | 17.66 | | | | |
| 15 | QPSK | 36 | 0 | 17.64 | 17.72 | 17.67 | 19.5 | 0 | | |
| 15 | QPSK | 36 | 29 | 17.78 | 17.66 | 17.71 | | | | |
| 15 | QPSK | 36 | 39 | 17.68 | 17.60 | 17.69 | 19.5 | 0 | | |
| 15 | QPSK | 75 | 0 | 17.66 | 17.67 | 17.62 | | | | |
| 15 | 16QAM | 1 | 0 | 17.66 | 17.66 | 17.72 | 19.5 | 0 | | |
| 15 | 16QAM | 1 | 37 | 17.68 | 17.59 | 17.69 | | | | |
| 15 | 16QAM | 1 | 74 | 17.78 | 17.63 | 17.62 | 19.5 | 0 | | |
| 15 | 16QAM | 36 | 0 | 17.68 | 17.61 | 17.69 | 19.5 | 0 | | |
| 15 | 16QAM | 36 | 29 | 17.67 | 17.68 | 17.74 | | | | |
| 15 | 16QAM | 36 | 39 | 17.66 | 17.63 | 17.63 | 19.5 | 0 | | |
| 15 | 16QAM | 75 | 0 | 17.74 | 17.62 | 17.62 | | | | |
| 15 | 84QAM | 1 | 0 | 17.67 | 17.52 | 17.57 | 19.5 | 0 | | |
| 15 | 84QAM | 1 | 37 | 17.79 | 17.61 | 17.61 | | | | |
| 15 | 84QAM | 1 | 74 | 17.77 | 17.67 | 17.60 | 19.5 | 0 | | |
| 15 | 84QAM | 36 | 0 | 17.59 | 17.63 | 17.68 | 19.5 | 0 | | |
| 15 | 84QAM | 36 | 29 | 17.66 | 17.64 | 17.64 | | | | |
| 15 | 84QAM | 36 | 39 | 17.67 | 17.63 | 17.57 | 19.5 | 0 | | |
| 15 | 84QAM | 75 | 0 | 17.65 | 17.70 | 17.62 | | | | |
| 15 | 256QAM | 1 | 0 | 17.63 | 17.56 | 17.62 | 19.5 | 0 | | |
| 15 | 256QAM | 1 | 37 | 17.60 | 17.51 | 17.51 | | | | |
| 15 | 256QAM | 1 | 74 | 17.64 | 17.63 | 17.59 | 19.5 | 0 | | |
| 15 | 256QAM | 36 | 0 | 17.58 | 17.63 | 17.59 | 19.5 | 0 | | |
| 15 | 256QAM | 36 | 29 | 17.62 | 17.72 | 17.65 | | | | |
| 15 | 256QAM | 36 | 39 | 17.74 | 17.76 | 17.69 | 19.5 | 0 | | |
| 15 | 256QAM | 75 | 0 | 17.61 | 17.60 | 17.67 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 17.65 | 17.62 | 17.60 | | | | |
| 10 | QPSK | 1 | 25 | 17.66 | 17.69 | 17.63 | 19.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 17.69 | 17.59 | 17.71 | | | | |
| 10 | QPSK | 12 | 0 | 17.65 | 17.66 | 17.66 | 19.5 | 0 | | |
| 10 | QPSK | 12 | 12 | 17.71 | 17.62 | 17.66 | | | | |
| 10 | QPSK | 25 | 0 | 17.68 | 17.58 | 17.69 | 19.5 | 0 | | |
| 10 | QPSK | 25 | 12 | 17.71 | 17.62 | 17.66 | | | | |
| 10 | 16QAM | 1 | 0 | 17.58 | 17.51 | 17.54 | 19.5 | 0 | | |
| 10 | 16QAM | 1 | 24 | 17.63 | 17.62 | 17.66 | | | | |
| 10 | 16QAM | 1 | 49 | 17.66 | 17.54 | 17.54 | 19.5 | 0 | | |
| 10 | 16QAM | 12 | 0 | 17.64 | 17.65 | 17.60 | 19.5 | 0 | | |
| 10 | 16QAM | 12 | 12 | 17.66 | 17.66 | 17.66 | | | | |
| 10 | 16QAM | 12 | 25 | 17.52 | 17.65 | 17.62 | 19.5 | 0 | | |
| 10 | 16QAM | 25 | 0 | 17.53 | 17.51 | 17.55 | | | | |
| 10 | 256QAM | 1 | 0 | 17.62 | 17.54 | 17.62 | 19.5 | 0 | | |
| 10 | 256QAM | 1 | 24 | 17.69 | 17.55 | 17.64 | | | | |
| 10 | 256QAM | 1 | 49 | 17.66 | 17.54 | 17.54 | 19.5 | 0 | | |
| 10 | 256QAM | 12 | 0 | 17.52 | 17.61 | 17.62 | 19.5 | 0 | | |
| 10 | 256QAM | 12 | 12 | 17.63 | 17.62 | 17.62 | | | | |
| 10 | 256QAM | 12 | 25 | 17.57 | 17.70 | 17.74 | 19.5 | 0 | | |
| 10 | 256QAM | 25 | 0 | 17.52 | 17.60 | 17.64 | 19.5 | 0 | | |
| 10 | 256QAM | 25 | 12 | 17.67 | 17.70 | 17.74 | | | | |
| 10 | 256QAM | 50 | 0 | 17.56 | 17.44 | 17.68 | 19.5 | 0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 17.62 | 17.66 | 17.63 | | | | |
| 5 | QPSK | 1 | 12 | 17.64 | 17.77 | 17.61 | 19.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 17.63 | 17.60 | 17.65 | | | | |
| 5 | QPSK | 12 | 0 | 17.65 | 17.66 | 17.66 | 19.5 | 0 | | |
| 5 | QPSK | 12 | 7 | 17.71 | 17.54 | 17.59 | | | | |
| 5 | QPSK | 12 | 13 | 17.71 | 17.62 | 17.67 | 19.5 | 0 | | |
| 5 | QPSK | 25 | 0 | 17.62 | 17.62 | 17.67 | 19.5 | 0 | | |
| 5 | 16QAM | 1 | 0 | 17.67 | 17.59 | 17.68 | 19.5 | 0 | | |
| 5 | 16QAM | 1 | 24 | 17.63 | 17.66 | 17.64 | | | | |
| 5 | 16QAM | 12 | 0 | 17.59 | 17.71 | 17.66 | 19.5 | 0 | | |
| 5 | 16QAM | 12 | 7 | 17.76 | 17.70 | 17.68 | | | | |
| 5 | 16QAM | 12 | 13 | 17.68 | 17.66 | 17.68 | 19.5 | 0 | | |
| 5 | 16QAM | 25 | 0 | 17.71 | 17.66 | 17.66 | 19.5 | 0 | | |
| 5 | 84QAM | 1 | 0 | 17.77 | 17.50 | 17.76 | 19.5 | 0 | | |
| 5 | 84QAM | 1 | 12 | 17.74 | 17.66 | 17.66 | | | | |
| 5 | 84QAM | 1 | 24 | 17.80 | 17.56 | 17.62 | 19.5 | 0 | | |
| 5 | 84QAM | 12 | 0 | 17.50 | 17.63 | 17.58 | 19.5 | 0 | | |
| 5 | 84QAM | 12 | 7 | 17.64 | 17.60 | 17.68 | | | | |
| 5 | 84QAM | 12 | 13 | 17.68 | 17.60 | 17.63 | 19.5 | 0 | | |
| 5 | 84QAM | 25 | 0 | 17.61 | 17.63 | 17.62 | | | | |
| 5 | 84QAM | 25 | 12 | 17.60 | 17.61 | 17.60 | 19.5 | 0 | | |
| 5 | 256QAM | 1 | 0 | 17.50 | 17.71 | 17.59 | 19.5 | 0 | | |
| 5 | 256QAM | 1 | 24 | 17.54 | 17.65 | 17.63 | | | | |
| 5 | 256QAM | 12 | 0 | 17.59 | 17.66 | 17.67 | 19.5 | 0 | | |
| 5 | 256QAM | 12 | 7 | 17.52 | 17.73 | 17.69 | | | | |
| 5 | 256QAM | 12 | 13 | 17.69 | 17.74 | 17.74 | 19.5 | 0 | | |
| 5 | 256QAM | 50 | 0 | 17.52 | 17.66 | 17.66 | 19.5 | 0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 17.81 | 17.57 | 17.54 | | | | |
| 1.4 | QPSK | 1 | 3 | 17.66 | 17.54 | 17.71 | 19.5 | 0 | | |
| 1.4 | QPSK | 1 | 6 | 17.67 | 17.50 | 17.59 | | | | |
| 1.4 | QPSK | 8 | 0 | 17.68 | 17.50 | 17.62 | 19.5 | 0 | | |
| 1.4 | QPSK | 8 | 4 | 17.60 | 17.63 | 17.67 | | | | |
| 1.4 | QPSK | 8 | 7 | 17.67 | 17.62 | 17.56 | 19.5 | 0 | | |
| 1.4 | QPSK | 16 | 0 | 17.76 | 17.66 | 17.68 | | | | |
| 1.4 | 16QAM | 1 | 0 | 17.71 | 17.59 | 17.68 | 19.5 | 0 | | |
| 1.4 | 16QAM | 1 | 8 | 17.50 | 17.69 | 17.61 | | | | |
| 1.4 | 16QAM | 1 | 16 | 17.77 | 17.66 | 17.65 | 19.5 | 0 | | |
| 1.4 | 16QAM | 8 | 0 | 17.75 | 17.65 | 17.60 | 19.5 | 0 | | |
| 1.4 | 16QAM | 8 | 4 | 17.71 | 17.68 | 17.64 | | | | |
| 1.4 | 16QAM | 8 | 8 | 17.66 | 17.66 | 17.65 | 19.5 | 0 | | |
| 1.4 | 16QAM | 16 | 0 | 17.75 | 17.62 | 17.68 | | | | |
| 1.4 | 84QAM | 1 | 0 | 17.78 | 17.67 | 17.61 | 19.5 | 0 | | |
| 1.4 | 84QAM | 1 | 8 | 17.66 | 17.66 | 17.66 | | | | |
| 1.4 | 84QAM | 1 | 14 | 17.81 | 17.51 | 17.59 | 19.5 | 0 | | |
| 1.4 | 84QAM | 8 | 0 | 17.66 | 17.74 | 17.64 | 19.5 | 0 | | |
| 1.4 | 84QAM | 8 | 4 | 17.63 | 17.61 | 17.50 | | | | |



Band 38 Main PA Ant3 DS14

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 20.90 | 21.22 | 21.10 | 22.5 | 0 |
| 20 | QPSK | 1 | 49 | 20.94 | 21.05 | 20.94 | | |
| 20 | QPSK | 50 | 0 | 20.98 | 21.04 | 20.78 | | |
| 20 | QPSK | 50 | 0 | 20.84 | 21.12 | 20.89 | | |
| 20 | QPSK | 50 | 24 | 20.96 | 20.93 | 20.97 | | |
| 20 | QPSK | 100 | 0 | 20.92 | 21.02 | 20.83 | | |
| 20 | 16QAM | 1 | 0 | 20.82 | 21.08 | 20.91 | | |
| 20 | 16QAM | 1 | 49 | 20.92 | 20.93 | 20.84 | | |
| 20 | 16QAM | 1 | 99 | 20.72 | 20.80 | 20.70 | | |
| 20 | 16QAM | 50 | 0 | 21.08 | 21.15 | 21.08 | | |
| 20 | 16QAM | 50 | 24 | 20.84 | 21.07 | 20.98 | | |
| 20 | 16QAM | 50 | 50 | 21.02 | 21.11 | 21.07 | | |
| 20 | 16QAM | 100 | 0 | 20.90 | 21.05 | 20.94 | | |
| 20 | 16QAM | 1 | 0 | 20.75 | 20.83 | 20.73 | | |
| 20 | 16QAM | 1 | 49 | 20.70 | 20.77 | 20.68 | | |
| 20 | 16QAM | 1 | 99 | 20.61 | 20.73 | 20.68 | | |
| 20 | 16QAM | 50 | 24 | 19.95 | 20.08 | 20.02 | | |
| 20 | 16QAM | 50 | 50 | 20.10 | 20.13 | 20.02 | | |
| 20 | 16QAM | 100 | 0 | 19.94 | 20.05 | 20.02 | | |
| 20 | 16QAM | 1 | 0 | 17.84 | 17.91 | 17.80 | | |
| 20 | 256QAM | 1 | 49 | 17.86 | 17.84 | 17.79 | | |
| 20 | 256QAM | 1 | 99 | 17.79 | 17.89 | 17.76 | | |
| 20 | 256QAM | 50 | 0 | 18.06 | 18.06 | 18.06 | | |
| 20 | 256QAM | 50 | 24 | 17.98 | 18.08 | 17.96 | | |
| 20 | 256QAM | 50 | 50 | 18.09 | 18.14 | 18.09 | | |
| 20 | 256QAM | 100 | 0 | 17.76 | 17.84 | 17.76 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 20.72 | 21.02 | 21.03 | 22.5 | 0 |
| 15 | QPSK | 1 | 37 | 20.78 | 20.90 | 20.81 | | |
| 15 | QPSK | 1 | 74 | 20.81 | 20.97 | 20.78 | | |
| 15 | QPSK | 36 | 0 | 20.91 | 20.97 | 20.78 | | |
| 15 | QPSK | 36 | 20 | 20.75 | 20.85 | 20.67 | | |
| 15 | QPSK | 36 | 39 | 20.82 | 20.81 | 20.86 | | |
| 15 | QPSK | 36 | 58 | 20.75 | 21.05 | 20.83 | | |
| 15 | 16QAM | 1 | 0 | 20.73 | 21.07 | 20.94 | | |
| 15 | 16QAM | 1 | 37 | 20.79 | 20.81 | 20.74 | | |
| 15 | 16QAM | 1 | 74 | 20.69 | 20.77 | 20.67 | | |
| 15 | 16QAM | 36 | 0 | 21.07 | 21.06 | 20.90 | | |
| 15 | 16QAM | 36 | 20 | 20.72 | 20.87 | 20.88 | | |
| 15 | 16QAM | 36 | 39 | 20.94 | 21.07 | 20.88 | | |
| 15 | 16QAM | 75 | 0 | 20.95 | 20.89 | 20.87 | | |
| 15 | 16QAM | 36 | 0 | 17.90 | 17.84 | 17.82 | | |
| 15 | 16QAM | 1 | 37 | 20.68 | 20.56 | 20.64 | | |
| 15 | 16QAM | 36 | 74 | 19.95 | 20.02 | 19.92 | | |
| 15 | 16QAM | 36 | 20 | 19.87 | 20.04 | 19.93 | | |
| 15 | 16QAM | 36 | 39 | 20.06 | 20.02 | 19.98 | | |
| 15 | 16QAM | 75 | 0 | 19.84 | 19.94 | 19.90 | | |
| 15 | 256QAM | 1 | 0 | 17.73 | 17.82 | 17.82 | | |
| 15 | 256QAM | 1 | 37 | 17.73 | 17.82 | 17.82 | | |
| 15 | 256QAM | 1 | 74 | 17.69 | 17.81 | 17.85 | | |
| 15 | 256QAM | 36 | 0 | 18.02 | 18.06 | 17.93 | | |
| 15 | 256QAM | 36 | 20 | 17.90 | 17.99 | 17.82 | | |
| 15 | 256QAM | 36 | 39 | 18.04 | 18.01 | 18.02 | | |
| 15 | 256QAM | 75 | 0 | 17.82 | 17.99 | 17.82 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 20.30 | 21.07 | 21.03 | 22.5 | 0 |
| 10 | QPSK | 1 | 26 | 20.70 | 21.02 | 20.93 | | |
| 10 | QPSK | 1 | 49 | 20.99 | 20.90 | 20.70 | | |
| 10 | QPSK | 12 | 0 | 20.85 | 20.95 | 20.76 | | |
| 10 | QPSK | 12 | 13 | 20.81 | 20.78 | 20.85 | | |
| 10 | QPSK | 25 | 0 | 20.72 | 20.85 | 20.71 | | |
| 10 | QPSK | 25 | 12 | 20.62 | 21.03 | 20.74 | | |
| 10 | 16QAM | 1 | 0 | 20.75 | 20.90 | 20.78 | | |
| 10 | 16QAM | 1 | 26 | 20.93 | 20.84 | 20.67 | | |
| 10 | 16QAM | 1 | 49 | 20.72 | 20.80 | 20.66 | | |
| 10 | 16QAM | 25 | 0 | 21.09 | 21.16 | 21.09 | | |
| 10 | 16QAM | 25 | 12 | 20.84 | 20.92 | 20.82 | | |
| 10 | 16QAM | 25 | 26 | 20.92 | 21.04 | 20.92 | | |
| 10 | 16QAM | 50 | 0 | 20.78 | 21.05 | 20.87 | | |
| 10 | 16QAM | 1 | 0 | 20.73 | 20.72 | 20.63 | | |
| 10 | 16QAM | 1 | 26 | 20.54 | 20.74 | 20.53 | | |
| 10 | 16QAM | 1 | 49 | 20.62 | 20.51 | 20.69 | | |
| 10 | 16QAM | 25 | 0 | 19.97 | 20.14 | 19.97 | | |
| 10 | 16QAM | 25 | 12 | 19.91 | 20.00 | 19.98 | | |
| 10 | 16QAM | 25 | 26 | 20.38 | 20.07 | 19.95 | | |
| 10 | 16QAM | 50 | 0 | 19.81 | 20.01 | 19.92 | | |
| 10 | 256QAM | 1 | 0 | 17.76 | 17.85 | 17.81 | | |
| 10 | 256QAM | 1 | 26 | 17.76 | 17.82 | 17.83 | | |
| 10 | 256QAM | 25 | 0 | 17.99 | 18.05 | 17.93 | | |
| 10 | 256QAM | 25 | 12 | 17.96 | 18.00 | 17.96 | | |
| 10 | 256QAM | 25 | 26 | 17.97 | 18.02 | 17.98 | | |
| 10 | 256QAM | 50 | 0 | 17.88 | 17.97 | 17.82 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 20.74 | 21.06 | 20.90 | 22.5 | 0 |
| 5 | QPSK | 1 | 12 | 20.88 | 20.95 | 20.83 | | |
| 5 | QPSK | 1 | 24 | 20.83 | 21.02 | 20.87 | | |
| 5 | QPSK | 12 | 0 | 20.71 | 20.84 | 20.71 | | |
| 5 | QPSK | 12 | 7 | 20.87 | 20.82 | 20.84 | | |
| 5 | QPSK | 12 | 13 | 20.63 | 20.90 | 20.72 | | |
| 5 | QPSK | 25 | 0 | 20.69 | 20.85 | 20.65 | | |
| 5 | QPSK | 25 | 0 | 20.75 | 21.03 | 20.91 | | |
| 5 | 16QAM | 1 | 12 | 20.82 | 20.74 | 20.79 | | |
| 5 | 16QAM | 1 | 24 | 20.68 | 20.66 | 20.70 | | |
| 5 | 16QAM | 12 | 0 | 21.08 | 21.16 | 21.04 | | |
| 5 | 16QAM | 12 | 7 | 20.85 | 21.07 | 20.91 | | |
| 5 | 16QAM | 12 | 13 | 21.02 | 21.02 | 21.00 | | |
| 5 | 16QAM | 25 | 0 | 20.94 | 21.06 | 20.85 | | |
| 5 | 16QAM | 1 | 0 | 20.81 | 20.72 | 20.81 | | |
| 5 | 16QAM | 1 | 12 | 20.65 | 20.68 | 20.60 | | |
| 5 | 16QAM | 1 | 24 | 20.56 | 20.74 | 20.65 | | |
| 5 | 16QAM | 12 | 0 | 19.96 | 20.09 | 19.99 | | |
| 5 | 16QAM | 12 | 7 | 19.81 | 19.98 | 19.88 | | |
| 5 | 16QAM | 12 | 13 | 20.07 | 20.10 | 19.91 | | |
| 5 | 16QAM | 25 | 0 | 19.83 | 19.94 | 19.92 | | |
| 5 | 256QAM | 1 | 0 | 17.80 | 17.88 | 17.79 | | |
| 5 | 256QAM | 1 | 12 | 17.79 | 17.81 | 17.75 | | |
| 5 | 256QAM | 1 | 24 | 17.74 | 17.82 | 17.83 | | |
| 5 | 256QAM | 12 | 0 | 18.00 | 18.14 | 17.92 | | |
| 5 | 256QAM | 12 | 7 | 17.94 | 18.00 | 17.86 | | |
| 5 | 256QAM | 12 | 13 | 17.97 | 18.11 | 18.03 | | |
| 5 | 256QAM | 25 | 0 | 17.82 | 17.94 | 17.82 | | |

Band 41 Main PA Ant3 DS14

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.15 | 21.20 | 21.13 | 22.5 | 0 |
| 20 | QPSK | 1 | 49 | 21.00 | 21.10 | 21.26 | | |
| 20 | QPSK | 1 | 99 | 21.14 | 20.92 | 21.09 | | |
| 20 | QPSK | 50 | 0 | 21.05 | 21.00 | 21.07 | | |
| 20 | QPSK | 50 | 24 | 20.97 | 21.07 | 21.10 | | |
| 20 | QPSK | 50 | 50 | 21.00 | 20.90 | 20.90 | | |
| 20 | 16QAM | 1 | 0 | 21.06 | 21.06 | 21.16 | | |
| 20 | 16QAM | 1 | 49 | 20.97 | 20.95 | 20.97 | | |
| 20 | 16QAM | 1 | 99 | 20.95 | 20.87 | 20.88 | | |
| 20 | 16QAM | 50 | 0 | 21.07 | 21.26 | 21.26 | | |
| 20 | 16QAM | 50 | 24 | 21.07 | 21.09 | 21.18 | | |
| 20 | 16QAM | 50 | 50 | 21.17 | 21.11 | 21.27 | | |
| 20 | 16QAM | 100 | 0 | 21.06 | 21.09 | 21.05 | | |
| 20 | 16QAM | 1 | 0 | 20.85 | 20.85 | 20.87 | | |
| 20 | 16QAM | 1 | 49 | 20.71 | 20.78 | 20.83 | | |
| 20 | 16QAM | 1 | 99 | 20.75 | 20.65 | 20.76 | | |
| 20 | 16QAM | 50 | 24 | 20.58 | 20.58 | 20.21 | | |
| 20 | 16QAM | 50 | 50 | 20.16 | 20.27 | 20.26 | | |
| 20 | 16QAM | 100 | 0 | 20.27 | 20.33 | 20.11 | | |
| 20 | 256QAM | 1 | 0 | 18.95 | 17.94 | 18.09 | | |
| 20 | 256QAM | 1 | 49 | 17.80 | 18.04 | 17.87 | | |
| 20 | 256QAM | 1 | 99 | 17.89 | 17.82 | 17.88 | | |
| 20 | 256QAM | 50 | 0 | 18.08 | 18.24 | 18.14 | | |
| 20 | 256QAM | 50 | 24 | 18.11 | 18.06 | 18.20 | | |
| 20 | 256QAM | 50 | 50 | 18.12 | 18.17 | 18.21 | | |
| 20 | 256QAM | 100 | 0 | 18.05 | 18.10 | 18.06 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 16 | QPSK | 1 | 0 | 20.97 | 21.07 | 21.22 | 23 | 0 |
| 16 | QPSK | 1 | 37 | 20.90 | 20.93 | 21.14 | | |
| 16 | QPSK | 1 | 74 | 21.10 | 20.81 | 21.06 | | |
| 16 | QPSK | 36 | 0 | 20.95 | 21.00 | 21.09 | | |
| 16 | QPSK | 36 | 20 | 20.76 | 20.99 | 21.20 | | |
| 16 | QPSK | 36 | 39 | 20.81 | 20.80 | 20.86 | | |
| 16 | QPSK | 36 | 58 | 20.71 | 20.87 | 20.89 | | |
| 16 | 16QAM | 1 | 0 | 20.79 | 20.80 | 20.76 | | |
| 16 | 16QAM | 1 | 37 | 20.75 | 20.76 | 20.74 | | |
| 16 | 16QAM | 1 | 74 | 20.50 | 20.70 | 20.87 | | |
| 16 | 16QAM | 36 | 0 | 21.09 | 21.06 | 21.15 | | |
| 16 | 16QAM | 36 | 20 | 21.03 | 20.92 | 21.07 | | |
| 16 | 16QAM | 36 | 39 | 21.08 | 20.91 | 21.16 | | |
| 16 | 16QAM | 75 | 0 | 21.02 | 20.62 | 20.88 | | |
| 16 | 16QAM | 36 | 0 | 20.71 | 20.67 | 20.67 | | |
| 16 | 16QAM | 1 | 37 | 20.63 | 20.58 | 20.73 | | |
| 16 | 16QAM | 1 | 74 | 20.52 | 20.69 | 20.74 | | |
| 16 | 16QAM | 36 | 0 | 20.58 | 20.05 | 20.17 | | |
| 16 | 16QAM | 36 | 20 | 20.52 | 20.51 | 20.17 | | |
| 16 | 16QAM | 36 | 39 | 20.04 | 20.16 | 20.06 | | |
| 16 | 16QAM | 75 | 0 | 19.90 | 19.94 | 20.01 | | |
| 16 | 256QAM | 1 | 0 | 17.62 | 17.84 | 17.86 | | |
| 16 | 256QAM | 1 | 37 | 17.64 | 17.80 | 17.75 | | |
| 16 | 256QAM | 1 | 74 | 17.76 | 17.88 | 17.77 | | |
| 16 | 256QAM | 36 | 0 | 18.25 | 18.05 | 18.24 | | |
| 16 | | | | | | | | |



| Band 2 Main PA Ant4 DS14 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|----------------------|---------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power Max Ch./Freq. | Turn-up time (sec) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| 1860 1860 1900 | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 18.41 | 18.43 | 19.38 | | | | |
| 20 | QPSK | 1 | 49 | 18.41 | 18.43 | 19.38 | 20.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 18.27 | 18.26 | 19.18 | | | | |
| 20 | QPSK | 50 | 0 | 18.36 | 18.42 | 19.36 | | | | |
| 20 | QPSK | 50 | 24 | 18.36 | 18.42 | 19.36 | 20.5 | 0 | | |
| 20 | QPSK | 50 | 50 | 18.16 | 18.31 | 19.23 | | | | |
| 20 | QPSK | 100 | 0 | 18.33 | 18.37 | 19.28 | | | | |
| 20 | 16QAM | 50 | 0 | 18.32 | 18.36 | 19.27 | | | | |
| 20 | 16QAM | 1 | 49 | 18.17 | 18.16 | 19.14 | 20.5 | 0 | | |
| 20 | 16QAM | 1 | 99 | 18.28 | 18.15 | 19.10 | | | | |
| 20 | 16QAM | 50 | 0 | 18.33 | 18.40 | 19.28 | | | | |
| 20 | 16QAM | 50 | 24 | 18.17 | 18.32 | 19.24 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 50 | 18.29 | 18.36 | 19.25 | | | | |
| 20 | 16QAM | 100 | 0 | 18.24 | 18.30 | 19.22 | | | | |
| 20 | 16QAM | 1 | 0 | 18.39 | 18.32 | 19.41 | | | | |
| 20 | 16QAM | 1 | 49 | 18.43 | 18.46 | 19.39 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 0 | 18.36 | 18.43 | 19.31 | | | | |
| 20 | 16QAM | 50 | 99 | 18.43 | 18.47 | 19.41 | | | | |
| 20 | 16QAM | 50 | 24 | 18.29 | 18.38 | 19.31 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 50 | 18.36 | 18.40 | 19.36 | | | | |
| 20 | 16QAM | 100 | 0 | 18.22 | 18.30 | 19.30 | | | | |
| 20 | 16QAM | 100 | 24 | 18.44 | 18.56 | 19.37 | | | | |
| 20 | 256QAM | 1 | 49 | 18.40 | 18.47 | 18.33 | 19.5 | 1 | | |
| 20 | 256QAM | 1 | 99 | 18.34 | 18.42 | 18.33 | | | | |
| 20 | 256QAM | 50 | 0 | 18.31 | 18.39 | 18.31 | | | | |
| 20 | 256QAM | 50 | 24 | 18.31 | 18.35 | 18.24 | 19.5 | 1 | | |
| 20 | 256QAM | 50 | 50 | 18.30 | 18.40 | 18.34 | | | | |
| 20 | 256QAM | 100 | 0 | 18.27 | 18.30 | 18.27 | | | | |
| Channel | | | | | | | | | | |
| 1875 1890 1915 | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 18.31 | 18.25 | 19.23 | | | | |
| 15 | QPSK | 1 | 37 | 18.14 | 18.14 | 19.23 | 20.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 18.19 | 18.12 | 19.23 | | | | |
| 15 | QPSK | 36 | 0 | 18.30 | 18.22 | 19.31 | | | | |
| 15 | QPSK | 36 | 25 | 18.18 | 18.26 | 19.20 | 20.5 | 0 | | |
| 15 | QPSK | 36 | 39 | 18.11 | 18.22 | 19.19 | | | | |
| 15 | QPSK | 75 | 0 | 18.19 | 18.24 | 19.16 | | | | |
| 15 | 16QAM | 1 | 0 | 18.14 | 18.16 | 19.16 | 20.5 | 0 | | |
| 15 | 16QAM | 1 | 37 | 18.10 | 18.10 | 19.22 | | | | |
| 15 | 16QAM | 1 | 74 | 18.20 | 18.20 | 19.22 | | | | |
| 15 | 16QAM | 36 | 0 | 18.20 | 18.20 | 19.16 | 20.5 | 0 | | |
| 15 | 16QAM | 36 | 25 | 18.13 | 18.20 | 19.12 | | | | |
| 15 | 16QAM | 36 | 39 | 18.26 | 18.25 | 19.22 | | | | |
| 15 | 16QAM | 75 | 0 | 18.19 | 18.25 | 19.07 | | | | |
| 15 | 16QAM | 1 | 0 | 18.35 | 18.40 | 19.28 | 20.5 | 0 | | |
| 15 | 16QAM | 1 | 37 | 18.36 | 18.43 | 19.28 | | | | |
| 15 | 16QAM | 1 | 74 | 18.29 | 18.35 | 19.23 | | | | |
| 15 | 16QAM | 36 | 0 | 18.36 | 18.35 | 19.33 | 20.5 | 0 | | |
| 15 | 16QAM | 36 | 25 | 18.36 | 18.38 | 19.28 | | | | |
| 15 | 16QAM | 36 | 39 | 18.32 | 18.35 | 19.25 | | | | |
| 15 | 16QAM | 75 | 0 | 18.12 | 18.21 | 19.15 | | | | |
| 15 | 256QAM | 1 | 0 | 18.14 | 18.14 | 19.27 | | | | |
| 15 | 256QAM | 1 | 37 | 18.27 | 18.41 | 18.30 | 19.5 | 1 | | |
| 15 | 256QAM | 1 | 74 | 18.30 | 18.39 | 18.19 | | | | |
| 15 | 256QAM | 36 | 0 | 18.28 | 18.28 | 19.18 | | | | |
| 15 | 256QAM | 36 | 25 | 18.18 | 18.25 | 18.11 | 19.5 | 1 | | |
| 15 | 256QAM | 36 | 39 | 18.17 | 18.34 | 18.27 | | | | |
| 15 | 256QAM | 75 | 0 | 18.22 | 18.24 | 18.27 | | | | |
| Channel | | | | | | | | | | |
| 1860 1890 1915 | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 18.28 | 18.28 | 19.28 | | | | |
| 10 | QPSK | 1 | 25 | 18.12 | 18.21 | 19.16 | 20.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 18.24 | 18.28 | 19.26 | | | | |
| 10 | QPSK | 12 | 0 | 18.33 | 18.36 | 19.28 | | | | |
| 10 | QPSK | 25 | 12 | 18.17 | 18.28 | 19.19 | 20.5 | 0 | | |
| 10 | QPSK | 25 | 25 | 18.07 | 18.26 | 19.13 | | | | |
| 10 | 16QAM | 1 | 0 | 18.08 | 18.19 | 19.10 | 20.5 | 0 | | |
| 10 | 16QAM | 1 | 24 | 18.22 | 18.16 | 19.16 | | | | |
| 10 | 16QAM | 1 | 49 | 18.28 | 18.28 | 19.27 | | | | |
| 10 | 16QAM | 25 | 0 | 18.27 | 18.25 | 19.19 | 20.5 | 0 | | |
| 10 | 16QAM | 25 | 12 | 18.09 | 18.23 | 19.15 | | | | |
| 10 | 16QAM | 36 | 0 | 18.18 | 18.27 | 19.13 | 20.5 | 0 | | |
| 10 | 16QAM | 36 | 0 | 18.17 | 18.15 | 19.15 | | | | |
| 10 | 16QAM | 50 | 0 | 18.17 | 18.15 | 19.15 | | | | |
| 10 | 16QAM | 1 | 0 | 18.26 | 18.43 | 19.33 | 20.5 | 0 | | |
| 10 | 16QAM | 1 | 24 | 18.37 | 18.48 | 19.27 | | | | |
| 10 | 16QAM | 1 | 49 | 18.24 | 18.28 | 19.27 | | | | |
| 10 | 16QAM | 25 | 0 | 18.35 | 18.43 | 19.36 | 20.5 | 0 | | |
| 10 | 16QAM | 25 | 12 | 18.26 | 18.36 | 19.29 | | | | |
| 10 | 16QAM | 50 | 0 | 18.09 | 18.22 | 19.23 | | | | |
| 10 | 16QAM | 50 | 12 | 18.34 | 18.44 | 19.38 | | | | |
| 10 | 256QAM | 1 | 24 | 18.32 | 18.42 | 18.22 | 19.5 | 1 | | |
| 10 | 256QAM | 1 | 49 | 18.24 | 18.33 | 18.23 | | | | |
| 10 | 256QAM | 12 | 0 | 18.30 | 18.32 | 19.23 | | | | |
| 10 | 256QAM | 25 | 12 | 18.26 | 18.28 | 18.16 | 20.5 | 0 | | |
| 10 | 256QAM | 25 | 25 | 18.22 | 18.29 | 18.19 | | | | |
| 10 | 256QAM | 50 | 0 | 18.23 | 18.24 | 18.21 | | | | |
| Channel | | | | | | | | | | |
| 1875 1890 1915 | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 18.28 | 18.28 | 19.28 | | | | |
| 5 | QPSK | 1 | 12 | 18.31 | 18.15 | 18.22 | 20.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 18.23 | 18.15 | 19.13 | | | | |
| 5 | QPSK | 12 | 0 | 18.33 | 18.36 | 19.28 | | | | |
| 5 | QPSK | 12 | 7 | 18.21 | 18.26 | 19.18 | 20.5 | 0 | | |
| 5 | QPSK | 12 | 13 | 18.08 | 18.19 | 19.15 | | | | |
| 5 | 16QAM | 1 | 0 | 18.19 | 18.32 | 19.05 | 20.5 | 0 | | |
| 5 | 16QAM | 1 | 12 | 18.05 | 18.17 | 19.07 | | | | |
| 5 | 16QAM | 1 | 24 | 18.20 | 18.28 | 19.28 | | | | |
| 5 | 16QAM | 12 | 0 | 18.20 | 18.28 | 19.18 | 20.5 | 0 | | |
| 5 | 16QAM | 12 | 7 | 18.03 | 18.24 | 19.13 | | | | |
| 5 | 16QAM | 12 | 13 | 18.24 | 18.31 | 19.14 | | | | |
| 5 | 16QAM | 25 | 0 | 18.14 | 18.21 | 19.12 | 20.5 | 0 | | |
| 5 | 16QAM | 1 | 0 | 18.26 | 18.40 | 19.30 | | | | |
| 5 | 16QAM | 1 | 12 | 18.37 | 18.48 | 19.25 | 20.5 | 0 | | |
| 5 | 16QAM | 1 | 24 | 18.24 | 18.30 | 19.21 | | | | |
| 5 | 16QAM | 12 | 0 | 18.29 | 18.36 | 19.31 | 20.5 | 0 | | |
| 5 | 16QAM | 12 | 7 | 18.17 | 18.35 | 19.18 | | | | |
| 5 | 16QAM | 12 | 13 | 18.25 | 18.31 | 19.33 | | | | |
| 5 | 16QAM | 25 | 0 | 18.14 | 18.21 | 19.13 | 20.5 | 0 | | |
| 5 | 256QAM | 1 | 0 | 18.11 | 18.21 | 18.31 | | | | |
| 5 | 256QAM | 1 | 12 | 18.32 | 18.28 | 18.19 | 19.5 | 1 | | |
| 5 | 256QAM | 12 | 0 | 18.26 | 18.31 | 18.26 | | | | |
| 5 | 256QAM | 12 | 7 | 18.19 | 18.28 | 18.11 | 19.5 | 1 | | |
| 5 | 256QAM | 12 | 13 | 18.26 | 18.21 | 18.22 | | | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.28 | 18.21 | | | | |
| Channel | | | | | | | | | | |
| 1865 1890 1915 | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 18.25 | 18.27 | 19.25 | | | | |
| 3 | QPSK | 1 | 8 | 18.23 | 18.22 | 19.13 | 20.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 18.30 | 18.16 | 19.25 | | | | |
| 3 | QPSK | 8 | 0 | 18.21 | 18.33 | 19.28 | 20.5 | 0 | | |
| 3 | QPSK | 8 | 4 | 18.23 | 18.31 | 19.14 | | | | |
| 3 | QPSK | 8 | 7 | 18.10 | 18.19 | 19.20 | 20.5 | 0 | | |
| 3 | QPSK | 15 | 0 | 18.22 | 18.27 | 19.28 | | | | |
| 3 | 16QAM | 1 | 0 | 18.30 | 18.36 | 19.23 | 20.5 | 0 | | |
| 3 | 16QAM | 1 | 8 | 18.10 | 18.30 | 19.13 | | | | |
| 3 | 16QAM | 1 | 14 | 18.26 | 18.13 | 19.07 | 20.5 | 0 | | |
| 3 | 16QAM | 8 | 0 | 18.21 | 18.34 | 19.17 | | | | |
| 3 | 16QAM | 8 | 4 | 18.08 | 18.13 | 19.21 | 20.5 | 0 | | |
| 3 | 16QAM | 15 | 0 | 18.15 | 18.24 | 19.12 | | | | |
| 3 | 16QAM | 1 | 0 | 18.29 | 18.45 | 19.35 | 20.5 | 0 | | |
| 3 | 16QAM | 1 | 8 | 18.28 | 18.39 | 19.28 | | | | |
| 3 | 16QAM | 1 | 14 | 18.33 | 18.28 | 19.26 | | | | |
| 3 | 16QAM | 8 | 0 | 18.38 | | | | | | |



| Band 25 Main PA Ant4 | | | | | | | | | | |
|----------------------|-----------------|---------|-----------|---------------------|------------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Turn-up (min) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1860 | 1868 | 1905 | | | | |
| 20 | QPSK | 1 | 0 | 20.31 | 20.42 | 20.27 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 21.29 | 21.34 | 21.24 | | | | |
| 20 | QPSK | 1 | 99 | 22.16 | 22.29 | 22.21 | | | | |
| 20 | QPSK | 50 | 0 | 22.24 | 22.25 | 22.26 | | | | |
| 20 | QPSK | 50 | 24 | 22.22 | 22.22 | 22.21 | | | | |
| 20 | QPSK | 50 | 50 | 22.16 | 22.24 | 22.12 | 23.5 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.16 | 22.25 | 22.26 | | | | |
| 20 | QPSK | 100 | 24 | 22.55 | 22.56 | 22.56 | | | | |
| 20 | 16QAM | 1 | 49 | 22.45 | 22.59 | 22.47 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.52 | 22.55 | 22.43 | | | | |
| 20 | 16QAM | 50 | 0 | 21.31 | 21.38 | 21.28 | | | | |
| 20 | 16QAM | 50 | 24 | 21.19 | 21.28 | 21.15 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 50 | 21.18 | 21.32 | 21.22 | | | | |
| 20 | 16QAM | 100 | 0 | 21.18 | 21.30 | 21.19 | | | | |
| 20 | 64QAM | 1 | 0 | 21.44 | 21.51 | 21.47 | | | | |
| 20 | 64QAM | 1 | 49 | 21.31 | 21.45 | 21.39 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.27 | 21.41 | 21.28 | | | | |
| 20 | 64QAM | 50 | 0 | 20.31 | 20.42 | 20.32 | | | | |
| 20 | 64QAM | 50 | 24 | 20.19 | 20.33 | 20.22 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 50 | 20.38 | 20.38 | 20.25 | | | | |
| 20 | 64QAM | 100 | 0 | 20.27 | 20.30 | 20.26 | | | | |
| 20 | 256QAM | 1 | 49 | 18.45 | 18.45 | 18.38 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.38 | 18.42 | 18.32 | | | | |
| 20 | 256QAM | 50 | 0 | 18.28 | 18.41 | 18.28 | | | | |
| 20 | 256QAM | 50 | 24 | 18.27 | 18.31 | 18.18 | 18.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.25 | 18.37 | 18.33 | | | | |
| 20 | 256QAM | 100 | 0 | 18.23 | 18.38 | 18.33 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1875 | 1880 | 1907.5 | Turn-up (min) | MPR (dB) | | |
| 15 | QPSK | 1 | 0 | 23.20 | 23.36 | 23.13 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.20 | 23.29 | 23.20 | | | | |
| 15 | QPSK | 1 | 74 | 23.07 | 23.16 | 23.17 | | | | |
| 15 | QPSK | 36 | 0 | 22.13 | 22.26 | 22.07 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.15 | 22.11 | 22.07 | | | | |
| 15 | QPSK | 36 | 39 | 22.12 | 22.09 | 22.06 | | | | |
| 15 | QPSK | 75 | 0 | 22.09 | 22.16 | 22.11 | | | | |
| 15 | 16QAM | 1 | 49 | 22.45 | 22.54 | 22.49 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.38 | 22.55 | 22.33 | | | | |
| 15 | 16QAM | 36 | 0 | 21.43 | 21.44 | 21.43 | | | | |
| 15 | 16QAM | 36 | 20 | 21.18 | 21.22 | 21.23 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.13 | 21.18 | 21.08 | | | | |
| 15 | 64QAM | 1 | 0 | 21.35 | 21.46 | 21.37 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.17 | 21.30 | 21.19 | | | | |
| 15 | 64QAM | 36 | 0 | 20.20 | 20.36 | 20.17 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.33 | 20.28 | 20.17 | | | | |
| 15 | 64QAM | 36 | 39 | 20.22 | 20.25 | 20.19 | | | | |
| 15 | 64QAM | 75 | 0 | 20.22 | 20.23 | 20.16 | | | | |
| 15 | 256QAM | 1 | 49 | 18.34 | 18.46 | 18.28 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.32 | 18.29 | | | | |
| 15 | 256QAM | 1 | 74 | 18.29 | 18.36 | 18.22 | | | | |
| 15 | 256QAM | 36 | 0 | 18.16 | 18.38 | 18.22 | | | | |
| 15 | 256QAM | 36 | 20 | 18.13 | 18.25 | 18.11 | 18.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.15 | 18.32 | 18.28 | | | | |
| 15 | 256QAM | 75 | 0 | 18.13 | 18.38 | 18.28 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1895 | 1898 | 1910 | Turn-up (min) | MPR (dB) | | |
| 10 | QPSK | 1 | 0 | 23.27 | 23.38 | 23.27 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.17 | 23.24 | 23.20 | | | | |
| 10 | QPSK | 1 | 49 | 23.10 | 23.18 | 23.09 | | | | |
| 10 | QPSK | 25 | 0 | 22.20 | 22.21 | 22.11 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.16 | 22.19 | 22.07 | | | | |
| 10 | QPSK | 25 | 25 | 22.04 | 22.11 | 22.01 | | | | |
| 10 | 16QAM | 1 | 0 | 22.42 | 22.58 | 22.47 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.34 | 22.50 | 22.42 | | | | |
| 10 | 16QAM | 25 | 0 | 21.22 | 21.30 | 21.15 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.14 | 21.17 | 21.08 | | | | |
| 10 | 16QAM | 25 | 25 | 21.05 | 21.16 | 21.15 | | | | |
| 10 | 64QAM | 1 | 0 | 21.32 | 21.36 | 21.44 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.26 | 21.35 | 21.28 | | | | |
| 10 | 64QAM | 1 | 49 | 21.17 | 21.34 | 21.18 | | | | |
| 10 | 64QAM | 25 | 0 | 20.24 | 20.30 | 20.29 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 20.25 | 20.28 | 20.18 | | | | |
| 10 | 64QAM | 25 | 25 | 20.23 | 20.33 | 20.20 | | | | |
| 10 | 256QAM | 1 | 25 | 18.40 | 18.43 | 18.33 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.38 | 18.39 | 18.33 | | | | |
| 10 | 256QAM | 1 | 49 | 18.30 | 18.38 | 18.27 | | | | |
| 10 | 256QAM | 25 | 0 | 18.20 | 18.20 | 18.20 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.20 | 18.20 | 18.12 | | | | |
| 10 | 256QAM | 25 | 25 | 18.11 | 18.25 | 18.20 | | | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.20 | 18.24 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1892.5 | 1898 | 1912.5 | Turn-up (min) | MPR (dB) | | |
| 5 | QPSK | 1 | 0 | 23.24 | 23.33 | 23.15 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.18 | 23.30 | 23.15 | | | | |
| 5 | QPSK | 1 | 24 | 23.02 | 23.15 | 23.14 | | | | |
| 5 | QPSK | 12 | 0 | 22.13 | 22.26 | 22.18 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.09 | 22.21 | 22.16 | | | | |
| 5 | QPSK | 12 | 13 | 22.06 | 22.14 | 22.09 | | | | |
| 5 | QPSK | 25 | 0 | 22.09 | 22.21 | 22.18 | | | | |
| 5 | 16QAM | 1 | 0 | 22.47 | 22.51 | 22.45 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.43 | 22.44 | 22.43 | | | | |
| 5 | 16QAM | 1 | 24 | 22.37 | 22.45 | 22.37 | | | | |
| 5 | 16QAM | 12 | 0 | 21.17 | 21.33 | 21.24 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.07 | 21.24 | 21.07 | | | | |
| 5 | 16QAM | 12 | 13 | 21.08 | 21.22 | 21.08 | | | | |
| 5 | 64QAM | 1 | 0 | 21.39 | 21.43 | 21.32 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.20 | 21.33 | 21.27 | | | | |
| 5 | 64QAM | 1 | 24 | 21.18 | 21.28 | 21.17 | | | | |
| 5 | 64QAM | 12 | 0 | 20.17 | 20.31 | 20.20 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.08 | 20.20 | 20.13 | | | | |
| 5 | 64QAM | 12 | 13 | 20.20 | 20.30 | 20.20 | | | | |
| 5 | 256QAM | 1 | 0 | 18.19 | 18.16 | 18.21 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 18 | 18.31 | 18.38 | 18.33 | | | | |
| 5 | 256QAM | 1 | 12 | 18.35 | 18.37 | 18.27 | | | | |
| 5 | 256QAM | 1 | 24 | 18.28 | 18.20 | 18.16 | | | | |
| 5 | 256QAM | 12 | 0 | 18.18 | 18.30 | 18.25 | | | | |
| 5 | 256QAM | 12 | 7 | 18.23 | 18.20 | 18.07 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.12 | 18.32 | 18.21 | | | | |
| 5 | 256QAM | 25 | 0 | 18.14 | 18.30 | 18.25 | | | | |
| Channel | | | | | | | | | | |
| | Frequency (MHz) | | | 1865 | 1868 | 1907.5 | Turn-up (min) | MPR (dB) | | |
| 3 | QPSK | 1 | 0 | 23.24 | 23.38 | 23.15 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.18 | 23.24 | 23.16 | | | | |
| 3 | QPSK | 1 | 14 | 23.03 | 23.22 | 23.08 | | | | |
| 3 | QPSK | 8 | 0 | 22.16 | 22.21 | 22.11 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.12 | 22.18 | 22.13 | | | | |
| 3 | QPSK | 8 | 7 | 22.05 | 22.14 | 22.08 | | | | |
| 3 | QPSK | 15 | 0 | 22.02 | 22.14 | 22.14 | | | | |
| 3 | 16QAM | 1 | 0 | 22.50 | 22.60 | 22.42 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.38 | 22.45 | 22.38 | | | | |
| 3 | 16QAM | 1 | 16 | 22.44 | 22.46 | 22.30 | | | | |
| 3 | 16QAM | 8 | 0 | 21.20 | 21.23 | 21.22 | 22.5 | 2 | | |
| 3 | 16QAM | 8 | 4 | 21.16 | 21.17 | 21.01 | | | | |
| 3 | 16QAM | 8 | 8 | 21.11 | 21.26 | 21.11 | | | | |
| 3 | 64QAM | 1 | 0 | 21.06 | 21.20 | 21.09 | 22.5 | 2 | | |
| 3 | 64QAM | 1 | 8 | 21.39 | 21.44 | 21.39 | | | | |
| 3 | 64QAM | 1 | 16 | 21.27 | 21.38 | 21.30 | | | | |
| 3 | 64QAM | 8 | 0 | 21.13 | 21.38 | 21.16 | 21.5 | 3 | | |
| 3 | 64QAM | 8 | 4 | 20.29 | 20.38 | 20.19 | | | | |
| 3 | 64QAM | 8 | 7 | 20.18 | 20.23 | 20.18 | | | | |
| 3 | 256QAM | 1 | 0 | 18.38 | 18.48 | 18.34 | 19.5 | | | |



Band 38 Main PA Ant4 DSI4

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.26 | 21.32 | 21.33 | 21.7 | 0 |
| 20 | QPSK | 1 | 49 | 21.10 | 21.31 | 21.15 | 21.7 | 0 |
| 20 | QPSK | 50 | 0 | 21.09 | 21.32 | 21.01 | 21.7 | 0 |
| 20 | QPSK | 50 | 24 | 21.18 | 21.06 | 21.06 | 21.7 | 0 |
| 20 | QPSK | 100 | 0 | 21.04 | 21.16 | 20.97 | 21.7 | 0 |
| 20 | 16QAM | 1 | 0 | 21.21 | 21.19 | 21.04 | 21.7 | 0 |
| 20 | 16QAM | 1 | 49 | 21.03 | 21.01 | 20.97 | 21.7 | 0 |
| 20 | 16QAM | 1 | 99 | 21.05 | 21.01 | 20.87 | 21.7 | 0 |
| 20 | 16QAM | 50 | 0 | 21.08 | 21.17 | 21.04 | 21.7 | 0 |
| 20 | 16QAM | 50 | 24 | 21.14 | 21.26 | 21.04 | 21.7 | 0 |
| 20 | 16QAM | 100 | 0 | 21.13 | 21.28 | 21.23 | 21.7 | 0 |
| 20 | 16QAM | 100 | 0 | 21.09 | 21.23 | 21.04 | 21.7 | 0 |
| 20 | 16QAM | 100 | 24 | 21.13 | 21.17 | 21.11 | 21.7 | 0 |
| 20 | 16QAM | 100 | 49 | 21.04 | 21.04 | 21.16 | 21.7 | 0 |
| 20 | 16QAM | 100 | 74 | 20.96 | 21.03 | 20.93 | 21.7 | 0 |
| 20 | 16QAM | 100 | 99 | 21.13 | 21.09 | 21.12 | 21.7 | 0 |
| 20 | 16QAM | 50 | 24 | 21.09 | 21.13 | 21.12 | 21.7 | 0 |
| 20 | 16QAM | 50 | 50 | 21.18 | 21.10 | 21.11 | 21.7 | 0 |
| 20 | 16QAM | 100 | 0 | 21.16 | 21.10 | 20.92 | 21.7 | 0 |
| 20 | 16QAM | 100 | 24 | 21.10 | 21.10 | 20.92 | 21.7 | 0 |
| 20 | 16QAM | 100 | 49 | 20.23 | 20.28 | 20.19 | 20.7 | 1 |
| 20 | 16QAM | 100 | 74 | 20.19 | 20.16 | 20.09 | 20.7 | 1 |
| 20 | 16QAM | 100 | 99 | 20.00 | 20.07 | 19.95 | 20.7 | 1 |
| 20 | 16QAM | 50 | 0 | 20.09 | 20.12 | 20.01 | 20.7 | 1 |
| 20 | 16QAM | 50 | 24 | 20.20 | 20.10 | 20.04 | 20.7 | 1 |
| 20 | 16QAM | 50 | 50 | 20.14 | 20.18 | 20.08 | 20.7 | 1 |
| 20 | 16QAM | 100 | 0 | 20.05 | 20.17 | 20.01 | 20.7 | 1 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 21.27 | 21.32 | 21.23 | 21.7 | 0 |
| 15 | QPSK | 1 | 49 | 21.14 | 21.34 | 21.23 | 21.7 | 0 |
| 15 | QPSK | 1 | 97 | 20.99 | 21.17 | 20.99 | 21.7 | 0 |
| 15 | QPSK | 1 | 74 | 21.02 | 21.20 | 20.91 | 21.7 | 0 |
| 15 | QPSK | 50 | 0 | 21.09 | 21.32 | 21.13 | 21.7 | 0 |
| 15 | QPSK | 50 | 24 | 21.17 | 21.06 | 21.06 | 21.7 | 0 |
| 15 | QPSK | 100 | 0 | 21.04 | 21.16 | 21.07 | 21.7 | 0 |
| 15 | 16QAM | 1 | 0 | 21.27 | 21.28 | 21.02 | 21.7 | 0 |
| 15 | 16QAM | 1 | 49 | 21.01 | 21.01 | 20.78 | 21.7 | 0 |
| 15 | 16QAM | 1 | 97 | 20.99 | 20.83 | 20.73 | 21.7 | 0 |
| 15 | 16QAM | 50 | 0 | 21.08 | 21.13 | 21.06 | 21.7 | 0 |
| 15 | 16QAM | 50 | 24 | 21.01 | 21.04 | 21.05 | 21.7 | 0 |
| 15 | 16QAM | 50 | 50 | 20.91 | 21.08 | 21.24 | 21.7 | 0 |
| 15 | 16QAM | 100 | 0 | 20.87 | 21.03 | 20.91 | 21.7 | 0 |
| 15 | 16QAM | 100 | 24 | 21.01 | 21.04 | 21.05 | 21.7 | 0 |
| 15 | 16QAM | 100 | 49 | 20.97 | 21.05 | 20.88 | 21.7 | 0 |
| 15 | 16QAM | 100 | 74 | 20.97 | 20.83 | 20.82 | 21.7 | 0 |
| 15 | 16QAM | 100 | 97 | 21.01 | 21.05 | 21.05 | 21.7 | 0 |
| 15 | 16QAM | 50 | 0 | 21.01 | 21.05 | 21.05 | 21.7 | 0 |
| 15 | 16QAM | 50 | 24 | 20.91 | 21.02 | 21.02 | 21.7 | 0 |
| 15 | 16QAM | 50 | 50 | 20.98 | 21.08 | 20.98 | 21.7 | 0 |
| 15 | 16QAM | 100 | 0 | 21.04 | 20.90 | 20.82 | 21.7 | 0 |
| 15 | 16QAM | 100 | 24 | 20.14 | 20.14 | 20.08 | 20.7 | 1 |
| 15 | 16QAM | 100 | 49 | 20.28 | 19.93 | 19.82 | 20.7 | 1 |
| 15 | 16QAM | 100 | 74 | 19.99 | 20.02 | 19.97 | 20.7 | 1 |
| 15 | 16QAM | 100 | 97 | 19.99 | 19.99 | 19.97 | 20.7 | 1 |
| 15 | 16QAM | 50 | 0 | 20.01 | 20.05 | 19.99 | 20.7 | 1 |
| 15 | 16QAM | 50 | 24 | 19.99 | 20.13 | 19.98 | 20.7 | 1 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 21.16 | 21.31 | 21.00 | 21.7 | 0 |
| 10 | QPSK | 1 | 25 | 21.11 | 21.28 | 21.00 | 21.7 | 0 |
| 10 | QPSK | 1 | 49 | 21.02 | 21.15 | 20.90 | 21.7 | 0 |
| 10 | QPSK | 50 | 0 | 21.02 | 21.15 | 20.90 | 21.7 | 0 |
| 10 | QPSK | 50 | 25 | 21.17 | 20.88 | 20.90 | 21.7 | 0 |
| 10 | QPSK | 100 | 0 | 21.03 | 20.89 | 21.09 | 21.7 | 0 |
| 10 | QPSK | 100 | 25 | 21.03 | 21.15 | 20.98 | 21.7 | 0 |
| 10 | 16QAM | 1 | 0 | 21.00 | 21.13 | 20.87 | 21.7 | 0 |
| 10 | 16QAM | 1 | 25 | 20.84 | 20.98 | 20.96 | 21.7 | 0 |
| 10 | 16QAM | 1 | 49 | 21.00 | 20.95 | 20.99 | 21.7 | 0 |
| 10 | 16QAM | 50 | 0 | 20.90 | 21.02 | 21.02 | 21.7 | 0 |
| 10 | 16QAM | 50 | 25 | 20.99 | 21.05 | 20.96 | 21.7 | 0 |
| 10 | 16QAM | 100 | 0 | 21.02 | 21.13 | 20.91 | 21.7 | 0 |
| 10 | 16QAM | 100 | 25 | 20.91 | 21.01 | 21.08 | 21.7 | 0 |
| 10 | 16QAM | 100 | 49 | 20.83 | 21.01 | 20.85 | 21.7 | 0 |
| 10 | 16QAM | 100 | 75 | 20.87 | 21.03 | 20.96 | 21.7 | 0 |
| 10 | 16QAM | 100 | 100 | 21.05 | 20.97 | 21.13 | 21.7 | 0 |
| 10 | 16QAM | 100 | 25 | 21.10 | 20.81 | 20.98 | 21.7 | 0 |
| 10 | 16QAM | 100 | 50 | 20.95 | 21.08 | 20.77 | 21.7 | 0 |
| 10 | 16QAM | 100 | 75 | 20.11 | 20.11 | 20.98 | 21.7 | 0 |
| 10 | 16QAM | 100 | 100 | 19.98 | 20.02 | 19.95 | 20.7 | 1 |
| 10 | 16QAM | 100 | 25 | 19.90 | 19.92 | 19.91 | 20.7 | 1 |
| 10 | 16QAM | 100 | 50 | 19.95 | 19.99 | 19.88 | 20.7 | 1 |
| 10 | 16QAM | 100 | 75 | 19.90 | 20.00 | 20.00 | 20.7 | 1 |
| 10 | 16QAM | 100 | 100 | 20.00 | 20.14 | 20.03 | 20.7 | 1 |
| 10 | 16QAM | 100 | 25 | 19.93 | 20.13 | 19.97 | 20.7 | 1 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 21.17 | 21.25 | 21.27 | 21.7 | 0 |
| 5 | QPSK | 1 | 10 | 20.95 | 21.21 | 20.94 | 21.7 | 0 |
| 5 | QPSK | 1 | 24 | 21.05 | 21.13 | 21.01 | 21.7 | 0 |
| 5 | QPSK | 10 | 0 | 21.07 | 21.06 | 21.00 | 21.7 | 0 |
| 5 | QPSK | 10 | 7 | 21.01 | 20.87 | 20.91 | 21.7 | 0 |
| 5 | QPSK | 10 | 13 | 21.05 | 21.08 | 20.94 | 21.7 | 0 |
| 5 | QPSK | 25 | 0 | 21.01 | 20.99 | 20.77 | 21.7 | 0 |
| 5 | QPSK | 25 | 10 | 21.01 | 20.99 | 21.04 | 21.7 | 0 |
| 5 | 16QAM | 1 | 0 | 20.91 | 20.81 | 20.96 | 21.7 | 0 |
| 5 | 16QAM | 1 | 24 | 21.04 | 20.93 | 20.87 | 21.7 | 0 |
| 5 | 16QAM | 10 | 0 | 20.94 | 21.15 | 20.88 | 21.7 | 0 |
| 5 | 16QAM | 10 | 7 | 21.01 | 21.25 | 20.99 | 21.7 | 0 |
| 5 | 16QAM | 10 | 13 | 20.94 | 21.18 | 21.04 | 21.7 | 0 |
| 5 | 16QAM | 25 | 0 | 20.86 | 21.05 | 20.99 | 21.7 | 0 |
| 5 | 16QAM | 1 | 0 | 21.00 | 21.02 | 21.07 | 21.7 | 0 |
| 5 | 16QAM | 1 | 10 | 21.00 | 20.92 | 21.08 | 21.7 | 0 |
| 5 | 16QAM | 1 | 24 | 21.00 | 20.96 | 20.70 | 21.7 | 0 |
| 5 | 16QAM | 10 | 0 | 20.93 | 21.07 | 21.04 | 21.7 | 0 |
| 5 | 16QAM | 10 | 7 | 21.10 | 21.07 | 20.90 | 21.7 | 0 |
| 5 | 16QAM | 10 | 13 | 20.99 | 20.92 | 21.01 | 21.7 | 0 |
| 5 | 16QAM | 25 | 0 | 20.97 | 20.97 | 20.80 | 21.7 | 0 |
| 5 | 16QAM | 1 | 0 | 20.09 | 20.23 | 20.11 | 20.7 | 1 |
| 5 | 16QAM | 1 | 12 | 19.97 | 20.12 | 20.01 | 20.7 | 1 |
| 5 | 16QAM | 1 | 24 | 19.88 | 19.84 | 19.88 | 20.7 | 1 |
| 5 | 16QAM | 10 | 7 | 19.85 | 19.88 | 19.84 | 20.7 | 1 |
| 5 | 16QAM | 10 | 13 | 20.09 | 20.09 | 19.96 | 20.0 | 0 |
| 5 | 16QAM | 25 | 0 | 19.92 | 20.06 | 19.91 | 20.0 | 0 |

Band 41 Main PA Ant4 DSI4

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.16 | 21.43 | 21.33 | 21.7 | 0 |
| 20 | QPSK | 1 | 49 | 21.32 | 21.13 | 21.45 | 21.36 | 21.11 |
| 20 | QPSK | 1 | 99 | 21.08 | 21.27 | 21.29 | 21.30 | 21.29 |
| 20 | QPSK | 50 | 0 | 21.30 | 21.18 | 21.42 | 21.09 | 21.36 |
| 20 | QPSK | 50 | 24 | 21.25 | 21.17 | 21.23 | 21.02 | 21.16 |
| 20 | QPSK | 100 | 0 | 21.17 | 21.12 | 21.10 | 20.87 | 21.07 |
| 20 | QPSK | 100 | 0 | 21.15 | 21.22 | 21.31 | 21.12 | 21.20 |
| 20 | 16QAM | 1 | 0 | 21.34 | 21.31 | 21.33 | 21.26 | 21.39 |
| 20 | 16QAM | 1 | 49 | 21.02 | 21.27 | 21.36 | 21.36 | 21.27 |
| 20 | 16QAM | 1 | 99 | 21.35 | 21.37 | 21.30 | 21.23 | 21.12 |
| 20 | 16QAM | 50 | 0 | 21.12 | 21.16 | 21.27 | 21.10 | 21.24 |
| 20 | 16QAM | 50 | 24 | 21.00 | 21.48 | 21.15 | 21.05 | 21.30 |
| 20 | 16QAM | 50 | 50 | 21.12 | 21.21 | 21.31 | 21.21 | 21.40 |
| 20 | 16QAM | 100 | 0 | 21.08 | 21.09 | 21.22 | 21.30 | 21.44 |
| 20 | 16QAM | 100 | 1 | 20.84 | 20.75 | 20.82 | 20.79 | 20.71 |
| 20 | 16QAM | 1 | 49 | 20.77 | 20.76 | 20.88 | 20.87 | 20.85 |
| 20 | 16QAM | 1 | 99 | 20.85 | 20.83 | 20.82 | 20.85 | 20.80 |
| 20 | 16QAM | 50 | 0 | 21.19 | 21.23 | 21.42 | 21.22 | 21.17 |
| 20 | 16QAM | 50 | 24 | 21.12 | 21.03 | 21.15 | 21.12 | 21.11 |
| 20 | 16QAM | 50 | 50 | 21.19 | 21.13 | 21.32 | 21.32 | 21.32 |
| 20 | 16QAM | 100 | 0 | 21.18 | 21.18 | 21.22 | 21.30 | 20.99 |
| 20 | 16QAM | 100 | 1 | 20.27 | 20.20 | 20.32 | 20.29 | 20.19 |
| 20 | 16QAM | 100 | 49 | 20.23 | 20.18 | 20.29 | 20.16 | 20.19 |
| 20 | 16QAM | 100 | 99 | 20.16 | 20.17 | 20.24 | 20.15 | 20.17 |
| 20 | 16QAM | 50 | 0 | 20.19 | 20.20 | 20.30 | 20.11 | 20.16 |
| 20 | 16QAM | 50 | 24 | 19.98 | 20.08 | 20.13 | 20.05 | 20.07 |
| 20 | 16QAM | 50 | 50 | 20.14 | 20.13 | 20.19 | 20.09 | 20.14 |
| 20 | 16QAM | 100 | 0 | 20.13 | 20.17 | 20.18 | 20.16 | 20.15 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 16 | QPSK | 1 | 0 | 21.03 | 21.43 | 21.33 | 21.7 | 0 |
| 16 | QPSK | 1 | 47 | 21.31 | 21.13 | 21.35 | 21.33 | 21.19 |
| 16 | QPSK | 1 | 74 | 21.04 | 21.20 | 21.22 | 20.98 | 21.14 |
| 16 | QPSK | 50 | 0 | 21.09 | 21.32 | 21.40 | 21.18 | 21.27 |
| 16 | QPSK | 50 | 24 | 21.14 | 21.08 | 21.24 | 21.05 | 21.24 |
| 16 | QPSK | 100 | 0 | 21.11 | 21.11 | 21.11 | 21.01 | 20.98 |
| 16 | QPSK | 100 | 0 | 21.05 | 21.25 | 21.20 | 21.12 | 21.24 |
| 16 | 16QAM | 1 | 0 | 21.37 | 21.29 | 21.31 | 21.36 | 21.31 |
| 16 | 16QAM | 1 | 47 | 21.09 | 21.48 | 21.16 | 21.06 | 21.31 |
| 16 | 16QAM | 1 | 74 | 21.30 | 21.27 | 21.27 | 21.23 | 21.21 |
| 16 | 16QAM | 50 | | | | | | |



| Band 42 FCC Part27Q Main PA Ant5 DSI4 | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MFR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42160 | 42590 | 42990 | | | |
| 20 | QPSK | 1 | 0 | 20.60 | 20.60 | 20.64 | 21 | 0 | |
| 20 | QPSK | 1 | 49 | 20.52 | 20.58 | 20.65 | | | |
| 20 | QPSK | 1 | 99 | 20.21 | 20.60 | 20.65 | | | |
| 20 | QPSK | 50 | 0 | 20.19 | 20.47 | 20.34 | | | |
| 20 | QPSK | 50 | 24 | 20.06 | 20.32 | 20.14 | 21 | 0 | |
| 20 | QPSK | 50 | 49 | 20.04 | 20.30 | 20.14 | | | |
| 20 | QPSK | 100 | 0 | 20.15 | 20.21 | 20.20 | | | |
| 20 | HQAM | 1 | 0 | 20.61 | 20.17 | 20.21 | 21 | 0 | |
| 20 | HQAM | 1 | 49 | 20.15 | 20.15 | 19.96 | | | |
| 20 | HQAM | 1 | 99 | 20.09 | 20.24 | 20.08 | | | |
| 20 | HQAM | 50 | 0 | 20.60 | 20.35 | 20.37 | 21 | 0 | |
| 20 | HQAM | 50 | 24 | 20.27 | 20.30 | 20.30 | | | |
| 20 | HQAM | 50 | 49 | 20.23 | 20.44 | 20.32 | | | |
| 20 | HQAM | 100 | 0 | 20.28 | 20.28 | 20.22 | | | |
| 20 | HQAM | 100 | 0 | 19.95 | 20.14 | 20.04 | | | |
| 20 | HQAM | 1 | 49 | 19.88 | 20.00 | 20.13 | 21 | 0 | |
| 20 | HQAM | 1 | 99 | 19.98 | 19.92 | 19.95 | | | |
| 20 | HQAM | 50 | 0 | 20.33 | 20.32 | 20.28 | | | |
| 20 | HQAM | 50 | 24 | 19.90 | 20.11 | 20.10 | 21 | 0 | |
| 20 | HQAM | 50 | 49 | 20.13 | 20.07 | 19.99 | | | |
| 20 | HQAM | 100 | 0 | 19.98 | 20.02 | 20.09 | | | |
| 20 | ZSSBAM | 1 | 0 | 19.75 | 19.84 | 19.70 | 20.5 | 0.5 | |
| 20 | ZSSBAM | 1 | 49 | 19.67 | 19.80 | 19.67 | | | |
| 20 | ZSSBAM | 1 | 99 | 19.64 | 19.79 | 19.73 | | | |
| 20 | ZSSBAM | 50 | 0 | 19.68 | 19.66 | 19.66 | | | |
| 20 | ZSSBAM | 50 | 24 | 19.57 | 19.63 | 19.51 | 20.5 | 0.5 | |
| 20 | ZSSBAM | 50 | 49 | 19.64 | 19.75 | 19.68 | | | |
| 20 | ZSSBAM | 100 | 0 | 19.65 | 19.65 | 19.65 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42166 | 42596 | 43016 | Tune-up Int. (dBm) | MFR (dB) | |
| 15 | QPSK | 1 | 0 | 20.34 | 20.30 | 20.43 | 21 | 0 | |
| 15 | QPSK | 1 | 47 | 20.38 | 20.54 | 20.48 | | | |
| 15 | QPSK | 1 | 74 | 20.30 | 20.65 | 20.23 | | | |
| 15 | QPSK | 36 | 0 | 19.96 | 20.30 | 20.25 | | | |
| 15 | QPSK | 36 | 20 | 19.98 | 20.21 | 20.09 | 21 | 0 | |
| 15 | QPSK | 36 | 39 | 20.01 | 20.20 | 20.07 | | | |
| 15 | HQAM | 1 | 0 | 19.91 | 20.11 | 20.21 | 21 | 0 | |
| 15 | HQAM | 1 | 47 | 20.09 | 19.96 | 19.99 | | | |
| 15 | HQAM | 1 | 74 | 19.91 | 20.17 | 19.98 | | | |
| 15 | HQAM | 36 | 0 | 20.09 | 20.24 | 20.24 | 21 | 0 | |
| 15 | HQAM | 36 | 20 | 20.20 | 20.30 | 20.08 | | | |
| 15 | HQAM | 36 | 39 | 20.07 | 20.41 | 20.16 | | | |
| 15 | HQAM | 75 | 0 | 20.68 | 20.23 | 20.13 | 21 | 0 | |
| 15 | HQAM | 75 | 0 | 19.84 | 20.12 | 19.89 | | | |
| 15 | HQAM | 1 | 47 | 19.72 | 19.92 | 20.13 | 21 | 0 | |
| 15 | HQAM | 1 | 74 | 19.76 | 19.76 | 19.72 | | | |
| 15 | HQAM | 36 | 0 | 20.12 | 20.14 | 20.11 | 21 | 0 | |
| 15 | HQAM | 36 | 20 | 19.84 | 20.09 | 19.80 | | | |
| 15 | HQAM | 36 | 39 | 19.83 | 19.84 | 19.83 | | | |
| 15 | HQAM | 75 | 0 | 19.97 | 19.83 | 20.04 | | | |
| 15 | ZSSBAM | 1 | 0 | 19.68 | 19.79 | 19.68 | 20.5 | 0.5 | |
| 15 | ZSSBAM | 1 | 47 | 19.60 | 19.73 | 19.63 | | | |
| 15 | ZSSBAM | 1 | 74 | 19.53 | 19.69 | 19.62 | | | |
| 15 | ZSSBAM | 36 | 0 | 19.65 | 19.72 | 19.59 | 20.5 | 0.5 | |
| 15 | ZSSBAM | 36 | 20 | 19.69 | 19.82 | 19.67 | | | |
| 15 | ZSSBAM | 36 | 39 | 19.59 | 19.61 | 19.58 | | | |
| 15 | ZSSBAM | 75 | 0 | 19.43 | 19.63 | 19.61 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42162 | 42592 | 43012 | Tune-up Int. (dBm) | MFR (dB) | |
| 10 | QPSK | 1 | 0 | 20.28 | 20.30 | 20.40 | 21 | 0 | |
| 10 | QPSK | 1 | 25 | 20.49 | 20.43 | 20.40 | | | |
| 10 | QPSK | 1 | 49 | 20.14 | 20.47 | 20.39 | | | |
| 10 | QPSK | 12 | 7 | 19.95 | 20.20 | 20.25 | | | |
| 10 | QPSK | 25 | 12 | 19.88 | 20.24 | 20.11 | 21 | 0 | |
| 10 | QPSK | 25 | 25 | 19.92 | 20.02 | 20.12 | | | |
| 10 | QPSK | 50 | 0 | 20.00 | 20.14 | 20.06 | | | |
| 10 | HQAM | 1 | 0 | 19.83 | 20.09 | 20.02 | 21 | 0 | |
| 10 | HQAM | 1 | 25 | 20.13 | 20.00 | 19.96 | | | |
| 10 | HQAM | 1 | 49 | 19.97 | 20.21 | 19.94 | | | |
| 10 | HQAM | 25 | 0 | 20.28 | 20.28 | 20.26 | 21 | 0 | |
| 10 | HQAM | 25 | 12 | 20.24 | 20.30 | 20.00 | | | |
| 10 | HQAM | 25 | 25 | 20.12 | 20.42 | 20.25 | | | |
| 10 | HQAM | 50 | 0 | 20.26 | 20.19 | 20.02 | 21 | 0 | |
| 10 | HQAM | 50 | 0 | 19.80 | 20.10 | 20.04 | | | |
| 10 | HQAM | 1 | 49 | 19.68 | 19.93 | 19.91 | 21 | 0 | |
| 10 | HQAM | 1 | 49 | 19.94 | 19.78 | 19.75 | | | |
| 10 | HQAM | 25 | 0 | 20.27 | 20.18 | 20.05 | | | |
| 10 | HQAM | 25 | 12 | 19.85 | 20.03 | 19.80 | 21 | 0 | |
| 10 | HQAM | 25 | 25 | 19.87 | 20.04 | 19.92 | | | |
| 10 | HQAM | 50 | 0 | 19.96 | 19.95 | 19.90 | | | |
| 10 | ZSSBAM | 1 | 0 | 19.72 | 19.80 | 19.56 | 20.5 | 0.5 | |
| 10 | ZSSBAM | 1 | 25 | 19.68 | 19.73 | 19.64 | | | |
| 10 | ZSSBAM | 1 | 49 | 19.61 | 19.70 | 19.67 | | | |
| 10 | ZSSBAM | 25 | 0 | 19.59 | 19.70 | 19.69 | 20.5 | 0.5 | |
| 10 | ZSSBAM | 25 | 12 | 19.67 | 19.60 | 19.47 | | | |
| 10 | ZSSBAM | 25 | 25 | 19.55 | 19.63 | 19.57 | | | |
| 10 | ZSSBAM | 50 | 0 | 19.49 | 19.52 | 19.47 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3433.5 | 3500 | 3547.5 | Tune-up Int. (dBm) | MFR (dB) | |
| 5 | QPSK | 1 | 0 | 20.41 | 20.32 | 20.46 | 21 | 0 | |
| 5 | QPSK | 1 | 12 | 20.40 | 20.37 | 20.50 | | | |
| 5 | QPSK | 1 | 24 | 20.11 | 20.51 | 20.45 | | | |
| 5 | QPSK | 12 | 0 | 20.16 | 20.38 | 20.24 | 21 | 0 | |
| 5 | QPSK | 12 | 7 | 19.95 | 20.20 | 19.94 | | | |
| 5 | QPSK | 12 | 13 | 19.94 | 20.00 | 20.11 | | | |
| 5 | QPSK | 25 | 0 | 19.87 | 20.20 | 20.16 | | | |
| 5 | HQAM | 1 | 0 | 19.88 | 20.04 | 20.05 | 21 | 0 | |
| 5 | HQAM | 1 | 12 | 20.13 | 19.80 | 19.85 | | | |
| 5 | HQAM | 1 | 24 | 20.00 | 20.18 | 19.90 | | | |
| 5 | HQAM | 12 | 0 | 20.09 | 20.28 | 20.27 | 21 | 0 | |
| 5 | HQAM | 12 | 7 | 20.23 | 20.36 | 20.13 | | | |
| 5 | HQAM | 12 | 13 | 20.01 | 20.40 | 20.25 | | | |
| 5 | HQAM | 25 | 0 | 20.16 | 20.10 | 20.23 | | | |
| 5 | HQAM | 1 | 0 | 19.87 | 20.06 | 19.89 | 21 | 0 | |
| 5 | HQAM | 1 | 12 | 19.88 | 19.88 | 20.04 | | | |
| 5 | HQAM | 1 | 24 | 19.87 | 19.80 | 19.90 | | | |
| 5 | HQAM | 12 | 0 | 20.28 | 20.16 | 20.08 | 21 | 0 | |
| 5 | HQAM | 12 | 7 | 19.87 | 20.17 | 19.86 | | | |
| 5 | HQAM | 12 | 13 | 19.95 | 20.07 | 19.77 | | | |
| 5 | HQAM | 25 | 0 | 19.87 | 19.91 | 20.06 | | | |
| 5 | ZSSBAM | 1 | 0 | 19.64 | 19.70 | 19.56 | 20.5 | 0.5 | |
| 5 | ZSSBAM | 1 | 12 | 19.66 | 19.71 | 19.62 | | | |
| 5 | ZSSBAM | 1 | 24 | 19.60 | 19.71 | 19.69 | | | |
| 5 | ZSSBAM | 12 | 0 | 19.49 | 19.46 | 19.47 | 20.5 | 0.5 | |
| 5 | ZSSBAM | 12 | 13 | 19.59 | 19.69 | 19.58 | | | |
| 5 | ZSSBAM | 25 | 0 | 19.49 | 19.50 | 19.45 | | | |

| Band 48 Main PA Ant5 DSI4 | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|--------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int. (dBm) | MFR (dB) |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56830 | 56160 | 56650 | | |
| 20 | QPSK | 1 | 0 | 20.14 | 20.00 | 20.03 | 20.16 | 20.5 | 0 |
| 20 | QPSK | 1 | 49 | 20.10 | 20.21 | 19.90 | 20.04 | | |
| 20 | QPSK | 1 | 99 | 20.60 | 19.96 | 19.91 | 19.99 | | |
| 20 | QPSK | 50 | 0 | 19.96 | 20.11 | 20.01 | 19.95 | 20.5 | 0 |
| 20 | QPSK | 50 | 24 | 19.84 | 19.78 | 19.84 | 19.90 | | |
| 20 | QPSK | 50 | 49 | 19.73 | 19.82 | 19.84 | 19.74 | | |
| 20 | QPSK | 100 | 0 | 19.82 | 20.02 | 19.77 | 19.87 | | |
| 20 | HQAM | 1 | 0 | 19.82 | 19.87 | 19.67 | 19.73 | 20.5 | 0 |
| 20 | HQAM | 1 | 49 | 19.83 | 19.80 | 19.67 | 19.64 | | |
| 20 | HQAM | 1 | 99 | 19.82 | 19.89 | 19.64 | 19.69 | | |
| 20 | HQAM | 50 | 0 | 20.04 | 19.96 | 20.11 | 20.04 | 20.5 | 0 |
| 20 | HQAM | 50 | 24 | 19.76 | 19.95 | 19.88 | 19.78 | | |
| 20 | HQAM | 50 | 49 | 19.86 | 20.05 | 19.94 | 19.84 | | |
| 20 | HQAM | 100 | 0 | 19.87 | 19.76 | 19.81 | 19.76 | | |
| 20 | HQAM | 100 | 0 | 19.65 | 19.76 | 19.58 | 19.74 | 20.5 | 0 |
| 20 | HQAM | 1 | 49 | 19.64 | 19.74 | 19.61 | 19.77 | | |
| 20 | HQAM | 1 | 99 | 19.62 | 19.53 | 19.55 | 19.58 | | |
| 20 | HQAM | 50 | 0 | 19.72 | 19.95 | 19.88 | 19.85 | 20.5 | 0 |
| 20 | HQAM | 50 | 24 | 19.55 | 19.75 | 19.56 | 19.57 | | |
| 20 | HQAM | 50 | 49 | 19.62 | 19.84 | 19.61 | 19.63 | | |
| 20 | HQAM | 100 | 0 | 19.79 | 19.71 | 19.68 | 19.61 | 20.5 | 0 |
| 20 | ZSSBAM | 1 | 0 | 19.92 | 19.80 | 19.84 | 19.80 | 20.5 | 0 |
| 20 | ZSSBAM | 1 | 49 | 19.73 | 19.68 | 19.73 | 19.77 | | |
| 20 | ZSSBAM | 1 | 99 | 19.72 | 19.65 | 19.68 | 19.65 | | |
| 20 | ZSSBAM | 50 | 0 | 19.65 | 19.67 | 19.62 | 19.63 | 20.5 | 0 |
| 20 | ZSSBAM | 50 | 24 | 19.70 | 19.75 | 19.72 | 19.67 | | |
| 20 | ZSSBAM | 50 | 49 | 19.70 | 19.80 | 19.75 | 19.68 | | |
| 20 | ZSSBAM | 100 | 0 | 19.64 | 19.64 | 19.59 | 19.59 | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 56312 | 56830 | 56160 | 56650 | Tune-up Int. (dBm) | MFR (dB) |
| 15 | QPSK | 1 | 0 | 20.14 | 20.00 | 20.01 | 20.02 | 20.5 | 0 |
| 15 | QPSK | 1 | 37 | 19.96 | 20.00 | 19.77 | 19.84 | | |
| 15 | QPSK | 1 | 74 | 19.76 | 19.88 | 19.86 | 19.81 | | |
| 15 | QPSK | 36 | 0 | 19.83 | 20.03 | 19.83 | 19.85 | 20.5 | 0 |
| 15 | QPSK | 36 | 20 | 19.80 | 19.65 | 19.68 | 19.76 | | |
| 15 | QPSK | 36 | 39 | 19.58 | 19.60 | 19.69 | 19.69 | | |
| 15 | HQAM | 1 | 0 | 19.60 | 19.66 | 19.65 | 19.62 | 20.5 | 0 |
| 15 | HQAM | 1 | 37 | | | | | | |



Band 42 FCC Part27Q Main PA Ant6 DSI4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Tune-up Int. (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz) for various modulation types like QPSK, 16QAM, 64QAM, 256QAM.

Band 48 Main PA Ant6 DSI4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Power Ch / Freq, Tune-up Int. (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz) for various modulation types like QPSK, 16QAM, 64QAM, 256QAM.



| Band 42 FCC Part27Q Mian PA Ant7 DSI4 | | | | | | | | | |
|---------------------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|-------------------|----------|---|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42190 | 42590 | 42990 | | | |
| 20 | QPSK | 1 | 0 | 19.53 | 19.53 | 19.44 | | | |
| 20 | QPSK | 1 | 49 | 19.28 | 19.39 | 19.42 | | 20.5 | 0 |
| 20 | QPSK | 1 | 99 | 19.03 | 19.01 | 19.21 | | | |
| 20 | QPSK | 50 | 0 | 19.51 | 19.55 | 19.47 | | | |
| 20 | QPSK | 50 | 24 | 19.34 | 19.43 | 19.44 | | 20.5 | 0 |
| 20 | QPSK | 50 | 49 | 19.08 | 19.02 | 19.42 | | | |
| 20 | QPSK | 100 | 0 | 19.02 | 19.53 | 19.51 | | | |
| 20 | HQAM | 1 | 0 | 19.35 | 19.47 | 19.36 | | 20.5 | 0 |
| 20 | HQAM | 1 | 49 | 19.29 | 19.41 | 19.36 | | | |
| 20 | HQAM | 1 | 99 | 19.48 | 19.52 | 19.53 | | | |
| 20 | HQAM | 50 | 0 | 19.37 | 19.46 | 19.44 | | 20.5 | 0 |
| 20 | HQAM | 50 | 24 | 19.35 | 19.42 | 19.42 | | | |
| 20 | HQAM | 50 | 50 | 19.48 | 19.56 | 19.54 | | | |
| 20 | HQAM | 100 | 0 | 19.31 | 19.47 | 19.54 | | | |
| 20 | HQAM | 100 | 0 | 19.35 | 19.35 | 19.33 | | | |
| 20 | HQAM | 1 | 49 | 19.48 | 19.61 | 19.45 | | 20.5 | 0 |
| 20 | HQAM | 1 | 99 | 19.33 | 19.46 | 19.60 | | | |
| 20 | HQAM | 50 | 0 | 19.35 | 19.39 | 19.35 | | | |
| 20 | HQAM | 50 | 24 | 19.47 | 19.60 | 19.49 | | 20.5 | 0 |
| 20 | HQAM | 50 | 50 | 19.29 | 19.41 | 19.43 | | | |
| 20 | HQAM | 100 | 0 | 19.33 | 19.43 | 19.37 | | | |
| 20 | ZSSBAM | 1 | 0 | 18.24 | 18.36 | 18.35 | | 19.5 | 1 |
| 20 | ZSSBAM | 1 | 49 | 18.27 | 18.32 | 18.37 | | | |
| 20 | ZSSBAM | 1 | 99 | 18.24 | 18.30 | 18.25 | | | |
| 20 | ZSSBAM | 50 | 0 | 18.28 | 18.28 | 18.28 | | | |
| 20 | ZSSBAM | 50 | 24 | 18.09 | 18.22 | 18.16 | | 19.5 | 1 |
| 20 | ZSSBAM | 50 | 50 | 18.06 | 18.19 | 18.10 | | | |
| 20 | ZSSBAM | 100 | 0 | 18.18 | 18.14 | 18.16 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42190 | 42590 | 42990 | Tune-up Int (dBm) | MPR (dB) | |
| 15 | QPSK | 1 | 0 | 19.32 | 19.32 | 19.23 | | 20.5 | 0 |
| 15 | QPSK | 1 | 49 | 19.27 | 19.39 | 19.33 | | | |
| 15 | QPSK | 1 | 74 | 19.31 | 19.40 | 19.30 | | | |
| 15 | QPSK | 36 | 0 | 19.28 | 19.32 | 19.42 | | | |
| 15 | QPSK | 36 | 20 | 19.38 | 19.47 | 19.42 | | 20.5 | 0 |
| 15 | QPSK | 36 | 37 | 19.28 | 19.32 | 19.42 | | | |
| 15 | QPSK | 75 | 0 | 19.58 | 19.55 | 19.46 | | | |
| 15 | HQAM | 1 | 0 | 19.38 | 19.42 | 19.42 | | 20.5 | 0 |
| 15 | HQAM | 1 | 49 | 19.40 | 19.46 | 19.49 | | | |
| 15 | HQAM | 1 | 74 | 19.58 | 19.50 | 19.50 | | | |
| 15 | HQAM | 36 | 0 | 19.32 | 19.44 | 19.36 | | 20.5 | 0 |
| 15 | HQAM | 36 | 20 | 19.33 | 19.45 | 19.40 | | | |
| 15 | HQAM | 36 | 37 | 19.24 | 19.49 | 19.52 | | | |
| 15 | HQAM | 75 | 0 | 19.32 | 19.46 | 19.43 | | 20.5 | 0 |
| 15 | HQAM | 1 | 0 | 19.30 | 19.42 | 19.41 | | | |
| 15 | HQAM | 1 | 49 | 19.49 | 19.57 | 19.42 | | 20.5 | 0 |
| 15 | HQAM | 1 | 74 | 19.33 | 19.46 | 19.39 | | | |
| 15 | HQAM | 36 | 0 | 19.34 | 19.39 | 19.37 | | 20.5 | 0 |
| 15 | HQAM | 36 | 20 | 19.58 | 19.50 | 19.47 | | | |
| 15 | HQAM | 36 | 37 | 19.42 | 19.46 | 19.46 | | | |
| 15 | HQAM | 75 | 0 | 19.35 | 19.42 | 19.35 | | 20.5 | 0 |
| 15 | ZSSBAM | 1 | 0 | 18.17 | 18.28 | 18.23 | | 19.5 | 1 |
| 15 | ZSSBAM | 1 | 49 | 18.17 | 18.13 | 18.17 | | | |
| 15 | ZSSBAM | 1 | 74 | 18.13 | 18.18 | 18.17 | | | |
| 15 | ZSSBAM | 36 | 0 | 18.20 | 18.27 | 18.18 | | 19.5 | 1 |
| 15 | ZSSBAM | 36 | 20 | 17.98 | 18.02 | 18.02 | | | |
| 15 | ZSSBAM | 36 | 37 | 17.98 | 18.13 | 18.07 | | | |
| 15 | ZSSBAM | 75 | 0 | 18.13 | 18.10 | 18.08 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 42190 | 42590 | 42990 | Tune-up Int (dBm) | MPR (dB) | |
| 10 | QPSK | 1 | 0 | 19.48 | 19.48 | 19.34 | | 20.5 | 0 |
| 10 | QPSK | 1 | 25 | 19.26 | 19.43 | 19.36 | | | |
| 10 | QPSK | 1 | 49 | 19.41 | 19.41 | 19.34 | | | |
| 10 | QPSK | 12 | 0 | 19.24 | 19.42 | 19.44 | | | |
| 10 | QPSK | 25 | 12 | 19.30 | 19.42 | 19.33 | | 20.5 | 0 |
| 10 | QPSK | 25 | 25 | 19.42 | 19.40 | 19.38 | | | |
| 10 | QPSK | 50 | 0 | 19.47 | 19.46 | 19.40 | | | |
| 10 | HQAM | 1 | 0 | 19.32 | 19.43 | 19.36 | | 20.5 | 0 |
| 10 | HQAM | 1 | 25 | 19.32 | 19.41 | 19.34 | | | |
| 10 | HQAM | 1 | 49 | 19.37 | 19.38 | 19.47 | | | |
| 10 | HQAM | 25 | 0 | 19.27 | 19.48 | 19.43 | | 20.5 | 0 |
| 10 | HQAM | 25 | 12 | 19.32 | 19.44 | 19.44 | | | |
| 10 | HQAM | 25 | 25 | 19.29 | 19.53 | 19.44 | | | |
| 10 | HQAM | 50 | 0 | 19.31 | 19.40 | 19.43 | | 20.5 | 0 |
| 10 | HQAM | 1 | 0 | 19.38 | 19.40 | 19.38 | | | |
| 10 | HQAM | 1 | 25 | 19.38 | 19.42 | 19.46 | | 20.5 | 0 |
| 10 | HQAM | 1 | 49 | 19.31 | 19.50 | 19.44 | | | |
| 10 | HQAM | 25 | 0 | 19.35 | 19.45 | 19.33 | | 20.5 | 0 |
| 10 | HQAM | 25 | 12 | 19.27 | 19.55 | 19.50 | | | |
| 10 | HQAM | 25 | 25 | 19.32 | 19.45 | 19.36 | | | |
| 10 | HQAM | 50 | 0 | 19.32 | 19.47 | 19.32 | | 20.5 | 0 |
| 10 | ZSSBAM | 1 | 0 | 18.16 | 18.20 | 18.20 | | 19.5 | 1 |
| 10 | ZSSBAM | 1 | 25 | 18.21 | 18.16 | 18.09 | | | |
| 10 | ZSSBAM | 1 | 49 | 18.20 | 18.20 | 18.13 | | | |
| 10 | ZSSBAM | 25 | 0 | 18.18 | 18.19 | 18.18 | | 19.5 | 1 |
| 10 | ZSSBAM | 25 | 12 | 18.04 | 18.12 | 18.07 | | | |
| 10 | ZSSBAM | 25 | 25 | 18.01 | 18.15 | 18.00 | | | |
| 10 | ZSSBAM | 50 | 0 | 17.97 | 18.16 | 18.09 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 3453.5 | 3500 | 3547.5 | Tune-up Int (dBm) | MPR (dB) | |
| 5 | QPSK | 1 | 0 | 19.54 | 19.50 | 19.53 | | 20.5 | 0 |
| 5 | QPSK | 1 | 12 | 19.27 | 19.40 | 19.32 | | | |
| 5 | QPSK | 1 | 24 | 19.40 | 19.44 | 19.34 | | | |
| 5 | QPSK | 12 | 0 | 19.31 | 19.46 | 19.32 | | 20.5 | 0 |
| 5 | QPSK | 12 | 7 | 19.31 | 19.39 | 19.32 | | | |
| 5 | QPSK | 12 | 13 | 19.33 | 19.40 | 19.34 | | | |
| 5 | HQAM | 1 | 0 | 19.37 | 19.50 | 19.46 | | | |
| 5 | HQAM | 1 | 12 | 19.36 | 19.38 | 19.32 | | 20.5 | 0 |
| 5 | HQAM | 1 | 24 | 19.31 | 19.50 | 19.49 | | | |
| 5 | HQAM | 12 | 0 | 19.32 | 19.46 | 19.38 | | 20.5 | 0 |
| 5 | HQAM | 12 | 7 | 19.36 | 19.44 | 19.36 | | | |
| 5 | HQAM | 12 | 13 | 19.36 | 19.45 | 19.40 | | | |
| 5 | HQAM | 25 | 0 | 19.32 | 19.42 | 19.34 | | 20.5 | 0 |
| 5 | HQAM | 25 | 0 | 19.32 | 19.42 | 19.34 | | | |
| 5 | HQAM | 25 | 0 | 19.32 | 19.42 | 19.34 | | | |
| 5 | HQAM | 1 | 0 | 19.33 | 19.37 | 19.36 | | 20.5 | 0 |
| 5 | HQAM | 1 | 12 | 19.49 | 19.39 | 19.44 | | | |
| 5 | HQAM | 1 | 24 | 19.30 | 19.43 | 19.43 | | | |
| 5 | HQAM | 12 | 0 | 19.38 | 19.47 | 19.31 | | 20.5 | 0 |
| 5 | HQAM | 12 | 7 | 19.31 | 19.35 | 19.44 | | | |
| 5 | HQAM | 12 | 13 | 19.31 | 19.47 | 19.40 | | | |
| 5 | HQAM | 25 | 0 | 19.32 | 19.48 | 19.39 | | 20.5 | 0 |
| 5 | ZSSBAM | 1 | 0 | 18.10 | 18.32 | 18.23 | | 19.5 | 1 |
| 5 | ZSSBAM | 1 | 12 | 18.16 | 18.18 | 18.09 | | | |
| 5 | ZSSBAM | 1 | 24 | 18.18 | 18.21 | 18.11 | | | |
| 5 | ZSSBAM | 12 | 7 | 18.01 | 18.16 | 18.10 | | 19.5 | 1 |
| 5 | ZSSBAM | 12 | 13 | 17.93 | 18.11 | 17.99 | | | |
| 5 | ZSSBAM | 25 | 0 | 17.94 | 18.14 | 18.06 | | | |

| Band 48 Main PA Ant7 DSI4 | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|----------------------|-------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up Int (dBm) | MPR (dB) |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56930 | 56160 | 56640 | | |
| 20 | QPSK | 1 | 0 | 18.55 | 18.60 | 18.41 | | | |
| 20 | QPSK | 1 | 49 | 18.39 | 18.57 | 18.38 | 18.51 | 19.5 | 0 |
| 20 | QPSK | 1 | 99 | 18.58 | 18.56 | 18.40 | 18.48 | | |
| 20 | QPSK | 50 | 0 | 18.56 | 18.52 | 18.55 | 18.55 | | |
| 20 | QPSK | 50 | 24 | 18.44 | 18.53 | 18.43 | 18.48 | 19.5 | 0 |
| 20 | QPSK | 50 | 49 | 18.47 | 18.58 | 18.43 | 18.46 | | |
| 20 | QPSK | 100 | 0 | 18.52 | 18.59 | 18.52 | 18.55 | | |
| 20 | HQAM | 1 | 0 | 18.50 | 18.55 | 18.45 | 18.48 | 19.5 | 0 |
| 20 | HQAM | 1 | 49 | 18.41 | 18.49 | 18.38 | 18.41 | | |
| 20 | HQAM | 1 | 99 | 18.56 | 18.65 | 18.59 | 18.48 | | |
| 20 | HQAM | 50 | 0 | 18.47 | 18.59 | 18.41 | 18.53 | | |
| 20 | HQAM | 50 | 24 | 18.37 | 18.47 | 18.40 | 18.41 | 19.5 | 0 |
| 20 | HQAM | 50 | 50 | 18.56 | 18.60 | 18.46 | 18.47 | | |
| 20 | HQAM | 100 | 0 | 18.44 | 18.46 | 18.42 | 18.37 | | |
| 20 | HQAM | 100 | 0 | 18.40 | 18.49 | 18.39 | 18.45 | | |
| 20 | HQAM | 1 | 49 | 18.61 | 18.61 | 18.52 | 18.55 | 19.5 | 0 |
| 20 | HQAM | 1 | 99 | 18.41 | 18.52 | 18.44 | 18.54 | | |
| 20 | HQAM | 50 | 0 | 18.39 | 18.57 | 18.41 | 18.48 | | |
| 20 | HQAM | 50 | 24 | 18.58 | 18.58 | 18.47 | 18.52 | 19.5 | 0 |
| 20 | HQAM | 50 | 50 | 18.40 | 18.56 | 18.41 | 18.58 | | |
| 20 | HQAM | 100 | 0 | 18.45 | 18.52 | 18.34 | 18.51 | | |
| 20 | ZSSBAM | 1 | 0 | 18.32 | 18.47 | 18.36 | 18.41 | 19.5 | 1 |
| 20 | ZSSBAM | 1 | 49 | 18.36 | 18.38 | 18.29 | 18.25 | | |
| 20 | ZSSBAM | 1 | 99 | 18.33 | 18.36 | 18.24 | 18.36 | | |
| 20 | ZSSBAM | 50 | 0 | 18.49 | 18.49 | 18.37 | 18.42 | | |
| 20 | ZSSBAM | 50 | 24 | 18.15 | 18.29 | 18.26 | 18.22 | 19.5 | 0 |
| 20 | ZSSBAM | 50 | 50 | 18.19 | 18.31 | 18.27 | 18.18 | | |
| 20 | ZSSBAM | 100 | 0 | 18.35 | 18.39 | 18.29 | 18.35 | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 56340 | 56930 | 56160 | 56640 | Tune-up Int (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 0 | 18.57 | 18.60 | 18.52 | 18.55 | | |
| 15 | QPSK | 1 | 37 | 18.48 | 18.51 | 18.37 | 18.46 | 19.5 | 0 |
| 15 | QPSK | 1 | 74 | 18.37 | 18.53 | 18.42 | 18.40 | | |
| 15 | QPSK | 36 | 0 | 18.62 | 18.63 | 18.46 | 18.45 | | |
| 15 | QPSK | 36 | 20 | 18.41 | 18.59 | 18.38 | 18.57 | 19.5 | 0 |
| | | | | | | | | | |



DSI 4 Power for WWAN EN-DC Main PA

| Band 38 Main PA Ant4 DSI4 ENDC | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 20.06 | 20.09 | 20.06 | | | | |
| 20 | QPSK | 1 | 49 | 19.93 | 20.03 | 20.05 | 20.2 | 0 | | |
| 20 | QPSK | 1 | 99 | 19.91 | 20.06 | 19.94 | | | | |
| 20 | QPSK | 50 | 0 | 19.86 | 20.05 | 19.95 | | | | |
| 20 | QPSK | 50 | 24 | 19.92 | 19.82 | 19.83 | 20.2 | 0 | | |
| 20 | QPSK | 50 | 99 | 19.96 | 19.94 | 19.87 | | | | |
| 20 | QPSK | 100 | 0 | 19.84 | 20.01 | 19.83 | | | | |
| 20 | 16QAM | 1 | 0 | 20.01 | 20.00 | 19.84 | | | | |
| 20 | 16QAM | 1 | 49 | 19.92 | 19.82 | 19.73 | 20.2 | 0 | | |
| 20 | 16QAM | 1 | 99 | 19.90 | 19.79 | 19.71 | | | | |
| 20 | 16QAM | 50 | 0 | 19.87 | 19.85 | 19.83 | | | | |
| 20 | 16QAM | 50 | 24 | 19.90 | 20.06 | 19.90 | | | | |
| 20 | 16QAM | 50 | 99 | 19.97 | 20.07 | 20.00 | | | | |
| 20 | 16QAM | 100 | 0 | 19.89 | 20.08 | 19.84 | | | | |
| 20 | 16QAM | 100 | 49 | 19.96 | 19.85 | 19.84 | | | | |
| 20 | 16QAM | 100 | 99 | 19.88 | 19.87 | 19.87 | | | | |
| 20 | 64QAM | 1 | 49 | 19.88 | 19.87 | 19.87 | 20.2 | 0 | | |
| 20 | 64QAM | 1 | 99 | 19.92 | 19.82 | 19.83 | | | | |
| 20 | 64QAM | 50 | 0 | 19.90 | 19.86 | 19.88 | | | | |
| 20 | 64QAM | 50 | 24 | 19.92 | 19.99 | 19.91 | | | | |
| 20 | 64QAM | 50 | 99 | 20.01 | 19.86 | 19.86 | 20.2 | 0 | | |
| 20 | 256QAM | 100 | 0 | 19.96 | 19.81 | 19.86 | | | | |
| 20 | 256QAM | 100 | 49 | 19.87 | 19.84 | 19.78 | | | | |
| 20 | 256QAM | 100 | 99 | 19.85 | 19.80 | 19.75 | 20.2 | 0 | | |
| 20 | 256QAM | 100 | 99 | 19.92 | 20.00 | 19.86 | | | | |
| 20 | 256QAM | 50 | 0 | 19.86 | 19.86 | 19.83 | | | | |
| 20 | 256QAM | 50 | 24 | 19.86 | 19.86 | 19.83 | | | | |
| 20 | 256QAM | 50 | 99 | 19.81 | 19.88 | 19.88 | 20.2 | 0 | | |
| 20 | 256QAM | 100 | 0 | 19.82 | 19.88 | 19.89 | | | | |
| 20 | 256QAM | 100 | 99 | 20.02 | 20.04 | 19.84 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 19.95 | 20.05 | 20.02 | | | | |
| 15 | QPSK | 1 | 37 | 19.83 | 19.99 | 19.84 | 20.2 | 0 | | |
| 15 | QPSK | 1 | 74 | 19.86 | 19.99 | 19.80 | | | | |
| 15 | QPSK | 1 | 111 | 19.74 | 19.81 | 19.70 | | | | |
| 15 | QPSK | 36 | 20 | 19.81 | 19.70 | 19.78 | 20.2 | 0 | | |
| 15 | QPSK | 36 | 39 | 19.89 | 19.83 | 19.75 | | | | |
| 15 | QPSK | 36 | 75 | 19.76 | 19.85 | 19.75 | | | | |
| 15 | 16QAM | 1 | 0 | 19.98 | 19.90 | 19.73 | | | | |
| 15 | 16QAM | 1 | 37 | 19.79 | 19.73 | 19.68 | 20.2 | 0 | | |
| 15 | 16QAM | 1 | 74 | 19.83 | 19.75 | 19.59 | | | | |
| 15 | 16QAM | 36 | 20 | 19.77 | 19.82 | 19.71 | | | | |
| 15 | 16QAM | 36 | 20 | 19.82 | 19.87 | 19.85 | 20.2 | 0 | | |
| 15 | 16QAM | 36 | 39 | 19.85 | 19.83 | 19.86 | | | | |
| 15 | 16QAM | 75 | 0 | 19.81 | 20.00 | 19.74 | | | | |
| 15 | 64QAM | 1 | 0 | 19.94 | 19.88 | 19.87 | | | | |
| 15 | 64QAM | 1 | 37 | 19.77 | 19.78 | 19.81 | 20.2 | 0 | | |
| 15 | 64QAM | 1 | 74 | 19.82 | 19.75 | 19.79 | | | | |
| 15 | 64QAM | 36 | 0 | 19.86 | 19.79 | 19.74 | | | | |
| 15 | 64QAM | 36 | 39 | 19.85 | 19.87 | 19.86 | 20.2 | 0 | | |
| 15 | 64QAM | 75 | 0 | 19.80 | 19.89 | 19.82 | | | | |
| 15 | 256QAM | 1 | 0 | 19.88 | 19.90 | 19.74 | | | | |
| 15 | 256QAM | 1 | 37 | 19.84 | 19.84 | 19.89 | 20.2 | 0 | | |
| 15 | 256QAM | 1 | 74 | 19.80 | 19.86 | 19.77 | | | | |
| 15 | 256QAM | 36 | 0 | 19.81 | 19.89 | 19.80 | | | | |
| 15 | 256QAM | 36 | 20 | 19.82 | 19.80 | 19.75 | 20.2 | 0 | | |
| 15 | 256QAM | 36 | 39 | 19.84 | 19.80 | 19.77 | | | | |
| 15 | 256QAM | 75 | 0 | 19.78 | 19.88 | 19.79 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 20.01 | 20.04 | 20.05 | | | | |
| 10 | QPSK | 1 | 24 | 19.81 | 19.85 | 19.78 | 20.2 | 0 | | |
| 10 | QPSK | 1 | 49 | 19.86 | 20.03 | 19.75 | | | | |
| 10 | QPSK | 25 | 0 | 19.81 | 19.90 | 19.89 | | | | |
| 10 | QPSK | 25 | 12 | 19.84 | 19.77 | 19.68 | 20.2 | 0 | | |
| 10 | QPSK | 25 | 25 | 19.91 | 19.84 | 19.75 | | | | |
| 10 | QPSK | 50 | 0 | 19.72 | 19.80 | 19.79 | | | | |
| 10 | 16QAM | 1 | 0 | 19.92 | 19.87 | 19.71 | | | | |
| 10 | 16QAM | 1 | 25 | 19.78 | 19.78 | 19.63 | 20.2 | 0 | | |
| 10 | 16QAM | 1 | 49 | 19.80 | 19.88 | 19.81 | | | | |
| 10 | 16QAM | 25 | 0 | 19.78 | 19.90 | 19.78 | | | | |
| 10 | 16QAM | 25 | 12 | 19.84 | 20.01 | 19.82 | 20.2 | 0 | | |
| 10 | 16QAM | 25 | 25 | 19.89 | 19.87 | 19.90 | | | | |
| 10 | 16QAM | 50 | 0 | 19.82 | 20.03 | 19.81 | | | | |
| 10 | 16QAM | 50 | 0 | 19.90 | 19.94 | 19.88 | | | | |
| 10 | 64QAM | 1 | 25 | 19.73 | 19.77 | 19.89 | 20.2 | 0 | | |
| 10 | 64QAM | 1 | 49 | 19.81 | 19.72 | 19.78 | | | | |
| 10 | 64QAM | 25 | 0 | 19.80 | 19.75 | 19.77 | | | | |
| 10 | 64QAM | 25 | 12 | 19.81 | 19.90 | 19.79 | 20.2 | 0 | | |
| 10 | 64QAM | 25 | 25 | 19.88 | 19.87 | 19.88 | | | | |
| 10 | 64QAM | 50 | 0 | 19.83 | 19.73 | 19.82 | | | | |
| 10 | 256QAM | 1 | 0 | 20.01 | 20.05 | 20.06 | | | | |
| 10 | 256QAM | 1 | 25 | 19.84 | 20.01 | 19.84 | 20.2 | 0 | | |
| 10 | 256QAM | 1 | 49 | 19.85 | 19.90 | 19.87 | | | | |
| 10 | 256QAM | 25 | 0 | 19.86 | 19.84 | 19.87 | | | | |
| 10 | 256QAM | 25 | 12 | 19.86 | 19.76 | 19.73 | 20.2 | 0 | | |
| 10 | 256QAM | 25 | 25 | 19.87 | 19.83 | 19.79 | | | | |
| 10 | 256QAM | 50 | 0 | 19.78 | 19.90 | 19.80 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 19.92 | 20.04 | 20.08 | | | | |
| 5 | QPSK | 1 | 12 | 19.82 | 20.03 | 19.77 | 20.2 | 0 | | |
| 5 | QPSK | 1 | 24 | 19.84 | 19.87 | 19.71 | | | | |
| 5 | QPSK | 12 | 0 | 19.74 | 19.85 | 19.82 | | | | |
| 5 | QPSK | 12 | 7 | 19.79 | 19.78 | 19.74 | 20.2 | 0 | | |
| 5 | QPSK | 12 | 14 | 19.87 | 19.87 | 19.75 | | | | |
| 5 | QPSK | 25 | 0 | 19.73 | 19.97 | 19.78 | | | | |
| 5 | 16QAM | 1 | 0 | 19.91 | 19.83 | 19.71 | | | | |
| 5 | 16QAM | 1 | 12 | 19.71 | 19.70 | 19.58 | 20.2 | 0 | | |
| 5 | 16QAM | 1 | 24 | 19.87 | 19.71 | 19.67 | | | | |
| 5 | 16QAM | 12 | 0 | 19.74 | 19.80 | 19.71 | | | | |
| 5 | 16QAM | 12 | 7 | 19.82 | 20.00 | 19.78 | 20.2 | 0 | | |
| 5 | 16QAM | 12 | 14 | 19.85 | 19.99 | 19.85 | | | | |
| 5 | 16QAM | 25 | 0 | 19.78 | 20.04 | 19.71 | | | | |
| 5 | 64QAM | 1 | 12 | 19.73 | 19.81 | 19.91 | 20.2 | 0 | | |
| 5 | 64QAM | 1 | 24 | 19.89 | 19.70 | 19.71 | | | | |
| 5 | 64QAM | 12 | 0 | 19.80 | 19.83 | 19.75 | | | | |
| 5 | 64QAM | 12 | 7 | 19.84 | 19.88 | 19.84 | 20.2 | 0 | | |
| 5 | 64QAM | 12 | 14 | 19.89 | 19.83 | 19.81 | | | | |
| 5 | 64QAM | 25 | 0 | 19.92 | 19.77 | 19.78 | | | | |
| 5 | 256QAM | 1 | 0 | 19.90 | 19.82 | 19.82 | | | | |
| 5 | 256QAM | 1 | 12 | 19.84 | 20.07 | 19.88 | 20.2 | 0 | | |
| 5 | 256QAM | 1 | 24 | 19.80 | 19.89 | 19.74 | | | | |
| 5 | 256QAM | 12 | 0 | 19.88 | 19.92 | 19.90 | | | | |
| 5 | 256QAM | 12 | 7 | 19.88 | 19.80 | 19.77 | 20.2 | 0 | | |
| 5 | 256QAM | 12 | 14 | 19.87 | 19.82 | 19.75 | | | | |
| 5 | 256QAM | 25 | 0 | 19.76 | 19.90 | 19.78 | | | | |

| Band 41 Main PA Ant4 DSI4 ENDC | | | | | | | | | | |
|--------------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------------|----------|------|---|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Mid Ch / Freq | Power High Ch / Freq | Turn-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 19.91 | 20.11 | 20.13 | 19.98 | 19.88 | | |
| 20 | QPSK | 1 | 49 | 19.82 | 20.11 | 20.04 | 19.89 | 19.74 | 20.2 | 0 |
| 20 | QPSK | 1 | 99 | 19.72 | 20.03 | 19.97 | 19.81 | 19.82 | | |
| 20 | QPSK | 50 | 0 | 20.07 | 19.83 | 20.11 | 19.80 | 20.09 | | |
| 20 | QPSK | 50 | 24 | 19.96 | 19.83 | 19.82 | 19.82 | 19.70 | 20.2 | 0 |
| 20 | QPSK | 50 | 99 | 19.88 | 19.84 | 19.82 | 19.82 | 19.84 | | |
| 20 | QPSK | 100 | 0 | 19.90 | 19.82 | 20.06 | 19.88 | 19.84 | | |
| 20 | 16QAM | 1 | 0 | 19.80 | 20.10 | 20.04 | 19.83 | 19.85 | | |
| 20 | 16QAM | 1 | 49 | 19.77 | 20.02 | 20.02 | 19.82 | 19.74 | 20.2 | 0 |
| 20 | 16QAM | 1 | 99 | 19.82 | 20.08 | 20.02 | 19.85 | 19.87 | | |
| 20 | 16QAM | 50 | | | | | | | | |



Default Power for WWAN Other PA

| Band 5 Ant0 | | | | | | | | | |
|-----------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch./Freq. (2040) | Power Middle Ch./Freq. (2052) | Power High Ch./Freq. (2060) | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 829 | 838.5 | 844 | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.82 | 24.85 | 24.77 | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.74 | 24.73 | 24.69 | | | |
| 10 | QPSK | 1 | 49 | 24.68 | 24.68 | 24.61 | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.75 | 23.66 | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 23.64 | 23.65 | 23.64 | | | |
| 10 | QPSK | 25 | 25 | 23.67 | 23.58 | 23.65 | | | |
| 10 | QPSK | 50 | 0 | 23.59 | 23.72 | 23.62 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 0 | 23.73 | 23.86 | 23.73 | | | |
| 10 | 16QAM | 1 | 25 | 23.74 | 23.80 | 23.71 | | | |
| 10 | 16QAM | 1 | 49 | 23.70 | 23.76 | 23.67 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 0 | 22.79 | 22.91 | 22.78 | | | |
| 10 | 16QAM | 25 | 12 | 22.70 | 22.77 | 22.71 | | | |
| 10 | 16QAM | 25 | 25 | 22.66 | 22.71 | 22.66 | 23.5 | 2 | |
| 10 | 16QAM | 50 | 0 | 22.69 | 22.80 | 22.70 | | | |
| 10 | 64QAM | 1 | 0 | 22.74 | 22.84 | 22.71 | | | |
| 10 | 64QAM | 1 | 25 | 22.61 | 22.76 | 22.70 | 22.5 | 3 | |
| 10 | 64QAM | 1 | 49 | 22.59 | 22.69 | 22.62 | | | |
| 10 | 64QAM | 25 | 0 | 21.79 | 21.89 | 21.79 | | | |
| 10 | 64QAM | 25 | 12 | 21.65 | 21.76 | 21.69 | 20.5 | 5 | |
| 10 | 64QAM | 25 | 25 | 21.71 | 21.82 | 21.72 | | | |
| 10 | 64QAM | 50 | 0 | 21.68 | 21.81 | 21.73 | | | |
| 10 | 256QAM | 1 | 0 | 19.62 | 19.65 | 19.58 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 25 | 19.42 | 19.56 | 19.47 | | | |
| 10 | 256QAM | 1 | 49 | 19.42 | 19.52 | 19.41 | | | |
| 10 | 256QAM | 25 | 0 | 19.54 | 19.60 | 19.52 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 12 | 19.44 | 19.54 | 19.39 | | | |
| 10 | 256QAM | 25 | 25 | 19.36 | 19.47 | 19.33 | | | |
| 10 | 256QAM | 50 | 0 | 19.45 | 19.52 | 19.37 | | | |
| Channel | | | | 20425 | 20525 | 20625 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 828.5 | 838.5 | 848.5 | | | |
| 5 | QPSK | 1 | 0 | 24.73 | 24.77 | 24.64 | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.61 | 24.66 | 24.57 | | | |
| 5 | QPSK | 1 | 24 | 24.61 | 24.54 | 24.54 | | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.67 | 23.56 | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.58 | 23.64 | 23.55 | | | |
| 5 | QPSK | 12 | 13 | 23.54 | 23.43 | 23.58 | | | |
| 5 | QPSK | 25 | 0 | 23.46 | 23.58 | 23.55 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 0 | 23.64 | 23.80 | 23.67 | | | |
| 5 | 16QAM | 1 | 12 | 23.62 | 23.73 | 23.60 | | | |
| 5 | 16QAM | 1 | 24 | 23.62 | 23.63 | 23.58 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 0 | 22.67 | 22.82 | 22.65 | | | |
| 5 | 16QAM | 12 | 7 | 22.63 | 22.63 | 22.60 | | | |
| 5 | 16QAM | 12 | 13 | 22.54 | 22.82 | 22.57 | 23.5 | 2 | |
| 5 | 16QAM | 25 | 0 | 22.63 | 22.69 | 22.60 | | | |
| 5 | 64QAM | 1 | 0 | 22.68 | 22.74 | 22.63 | | | |
| 5 | 64QAM | 1 | 12 | 22.51 | 22.64 | 22.58 | 22.5 | 3 | |
| 5 | 64QAM | 1 | 24 | 22.47 | 22.59 | 22.50 | | | |
| 5 | 64QAM | 12 | 0 | 21.67 | 21.77 | 21.71 | | | |
| 5 | 64QAM | 12 | 7 | 21.58 | 21.62 | 21.60 | 20.5 | 5 | |
| 5 | 64QAM | 12 | 13 | 21.86 | 21.88 | 21.81 | | | |
| 5 | 64QAM | 25 | 0 | 21.60 | 21.75 | 21.61 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.56 | 19.44 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.49 | 19.38 | | | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.44 | 19.29 | | | |
| 5 | 256QAM | 12 | 0 | 19.46 | 19.45 | 19.41 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.33 | 19.45 | 19.33 | | | |
| 5 | 256QAM | 12 | 13 | 19.27 | 19.40 | 19.20 | | | |
| 5 | 256QAM | 25 | 0 | 19.32 | 19.41 | 19.28 | | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 825.5 | 838.5 | 847.5 | | | |
| 3 | QPSK | 1 | 0 | 24.77 | 24.77 | 24.65 | 25.5 | 0 | |
| 3 | QPSK | 1 | 8 | 24.65 | 24.63 | 24.55 | | | |
| 3 | QPSK | 1 | 14 | 24.54 | 24.54 | 24.52 | | | |
| 3 | QPSK | 8 | 0 | 23.50 | 23.68 | 23.55 | 24.5 | 1 | |
| 3 | QPSK | 8 | 4 | 23.50 | 23.60 | 23.59 | | | |
| 3 | QPSK | 8 | 7 | 23.56 | 23.52 | 23.52 | | | |
| 3 | QPSK | 15 | 0 | 23.51 | 23.57 | 23.48 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 0 | 23.66 | 23.81 | 23.59 | | | |
| 3 | 16QAM | 1 | 8 | 23.60 | 23.67 | 23.60 | | | |
| 3 | 16QAM | 1 | 14 | 23.62 | 23.62 | 23.60 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 0 | 22.71 | 22.85 | 22.72 | | | |
| 3 | 16QAM | 8 | 4 | 22.56 | 22.70 | 22.65 | | | |
| 3 | 16QAM | 8 | 7 | 22.55 | 22.57 | 22.53 | 23.5 | 2 | |
| 3 | 16QAM | 15 | 0 | 22.58 | 22.67 | 22.65 | | | |
| 3 | 64QAM | 1 | 0 | 22.60 | 22.78 | 22.61 | | | |
| 3 | 64QAM | 1 | 8 | 22.52 | 22.70 | 22.59 | 22.5 | 3 | |
| 3 | 64QAM | 1 | 14 | 22.45 | 22.63 | 22.50 | | | |
| 3 | 64QAM | 8 | 0 | 21.68 | 21.80 | 21.67 | | | |
| 3 | 64QAM | 8 | 4 | 21.51 | 21.64 | 21.57 | 20.5 | 5 | |
| 3 | 64QAM | 8 | 7 | 21.57 | 21.68 | 21.61 | | | |
| 3 | 64QAM | 15 | 0 | 21.60 | 21.70 | 21.65 | | | |
| 3 | 256QAM | 1 | 0 | 19.42 | 19.50 | 19.52 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 8 | 19.32 | 19.44 | 19.33 | | | |
| 3 | 256QAM | 1 | 14 | 19.35 | 19.45 | 19.36 | | | |
| 3 | 256QAM | 8 | 0 | 19.47 | 19.51 | 19.44 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 4 | 19.39 | 19.47 | 19.33 | | | |
| 3 | 256QAM | 8 | 7 | 19.27 | 19.38 | 19.23 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.41 | 19.24 | | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 824.7 | 838.5 | 848.3 | | | |
| 1.4 | QPSK | 1 | 0 | 24.74 | 24.78 | 24.64 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 24.63 | 24.67 | 24.54 | | | |
| 1.4 | QPSK | 1 | 5 | 24.61 | 24.55 | 24.50 | | | |
| 1.4 | QPSK | 3 | 0 | 23.56 | 23.68 | 23.59 | 24.5 | 1 | |
| 1.4 | QPSK | 3 | 1 | 23.51 | 23.57 | 23.52 | | | |
| 1.4 | QPSK | 3 | 3 | 23.55 | 23.51 | 23.59 | | | |
| 1.4 | QPSK | 6 | 0 | 23.46 | 23.62 | 23.49 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 0 | 23.61 | 23.79 | 23.58 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.66 | 23.69 | 23.62 | | | |
| 1.4 | 16QAM | 1 | 5 | 23.60 | 23.65 | 23.56 | 24.5 | 1 | |
| 1.4 | 16QAM | 3 | 0 | 23.59 | 23.75 | 23.64 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.64 | 23.67 | 23.63 | | | |
| 1.4 | 16QAM | 3 | 3 | 23.55 | 23.63 | 23.52 | 23.5 | 2 | |
| 1.4 | 16QAM | 6 | 0 | 22.74 | 22.81 | 22.69 | | | |
| 1.4 | 64QAM | 1 | 0 | 22.63 | 22.69 | 22.66 | | | |
| 1.4 | 64QAM | 1 | 3 | 22.57 | 22.58 | 22.53 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 5 | 22.56 | 22.71 | 22.56 | | | |
| 1.4 | 64QAM | 3 | 0 | 22.64 | 22.77 | 22.63 | | | |
| 1.4 | 64QAM | 3 | 1 | 22.49 | 22.66 | 22.59 | 22.5 | 3 | |
| 1.4 | 64QAM | 3 | 3 | 22.49 | 22.61 | 22.48 | | | |
| 1.4 | 64QAM | 6 | 0 | 21.70 | 21.76 | 21.64 | | | |
| 1.4 | 256QAM | 1 | 0 | 19.47 | 19.55 | 19.51 | 20.5 | 5 | |
| 1.4 | 256QAM | 1 | 3 | 19.34 | 19.42 | 19.38 | | | |
| 1.4 | 256QAM | 1 | 5 | 19.30 | 19.42 | 19.30 | | | |
| 1.4 | 256QAM | 3 | 0 | 19.40 | 19.49 | 19.38 | 20.5 | 5 | |
| 1.4 | 256QAM | 3 | 1 | 19.32 | 19.41 | 19.27 | | | |
| 1.4 | 256QAM | 3 | 3 | 19.22 | 19.32 | 19.19 | | | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.32 | | | |



| Band 4 Other PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|----------------|---------------------|---------------------|--------------------|--------------------|----------|----------|
| RF [MHz] | Modulation | RB Size | RB Offset | Power Ch./Frac | Power Ind. Ch./Frac | Power High Ch./Frac | Power Low Ch./Frac | Tune-up limit (dB) | MFR (dB) | MFR (dB) |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 24.44 | 24.49 | 24.41 | | 25.5 | 0 | |
| 20 | QPSK | 1 | 49 | 24.44 | 24.47 | 24.32 | | 25.5 | 0 | |
| 20 | QPSK | 1 | 99 | 24.29 | 24.42 | 24.38 | | 25.5 | 0 | |
| 20 | QPSK | 10 | 0 | 23.31 | 23.33 | 23.33 | | 24.5 | 1 | |
| 20 | QPSK | 10 | 24 | 23.30 | 23.43 | 23.40 | | 24.5 | 1 | |
| 20 | QPSK | 60 | 50 | 23.32 | 23.38 | 23.38 | | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 23.37 | 23.46 | 23.36 | | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 23.32 | 23.45 | 23.35 | | 24.5 | 1 | |
| 20 | HQAM | 1 | 49 | 23.32 | 23.39 | 23.30 | | 24.5 | 1 | |
| 20 | HQAM | 1 | 99 | 23.24 | 23.35 | 23.30 | | 24.5 | 1 | |
| 20 | HQAM | 50 | 0 | 22.41 | 22.55 | 22.54 | | 23.5 | 2 | |
| 20 | HQAM | 50 | 24 | 22.31 | 22.41 | 22.27 | | 23.5 | 2 | |
| 20 | HQAM | 100 | 0 | 22.44 | 22.50 | 22.38 | | 23.5 | 2 | |
| 20 | HQAM | 100 | 0 | 22.37 | 22.52 | 22.49 | | 23.5 | 2 | |
| 20 | HQAM | 1 | 99 | 22.24 | 22.37 | 22.31 | | 22.5 | 3 | |
| 20 | HQAM | 50 | 0 | 21.41 | 21.46 | 21.38 | | 22.5 | 3 | |
| 20 | HQAM | 50 | 50 | 21.27 | 21.39 | 21.31 | | 22.5 | 3 | |
| 20 | HQAM | 100 | 0 | 21.30 | 21.41 | 21.36 | | 22.5 | 3 | |
| 20 | HQAM | 1 | 0 | 19.41 | 19.49 | 19.44 | | 20.5 | 5 | |
| 20 | HQAM | 1 | 49 | 19.29 | 19.40 | 19.35 | | 20.5 | 5 | |
| 20 | HQAM | 1 | 99 | 19.24 | 19.36 | 19.28 | | 20.5 | 5 | |
| 20 | HQAM | 10 | 0 | 19.34 | 19.38 | 19.34 | | 20.5 | 5 | |
| 20 | HQAM | 10 | 24 | 19.30 | 19.38 | 19.25 | | 20.5 | 5 | |
| 20 | HQAM | 60 | 50 | 19.27 | 19.31 | 19.18 | | 20.5 | 5 | |
| 20 | HQAM | 100 | 0 | 19.27 | 19.32 | 19.22 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 24.40 | 24.42 | 24.24 | | 25.5 | 0 | |
| 15 | QPSK | 1 | 37 | 24.28 | 24.34 | 24.26 | | 25.5 | 0 | |
| 15 | QPSK | 1 | 74 | 24.19 | 24.28 | 24.32 | | 25.5 | 0 | |
| 15 | QPSK | 10 | 0 | 23.27 | 23.31 | 23.16 | | 24.5 | 1 | |
| 15 | QPSK | 10 | 20 | 23.24 | 23.28 | 23.35 | | 24.5 | 1 | |
| 15 | QPSK | 36 | 30 | 23.23 | 23.22 | 23.23 | | 24.5 | 1 | |
| 15 | QPSK | 15 | 4 | 23.28 | 23.42 | 23.23 | | 24.5 | 1 | |
| 15 | HQAM | 1 | 0 | 23.28 | 23.38 | 23.24 | | 24.5 | 1 | |
| 15 | HQAM | 1 | 37 | 23.22 | 23.29 | 23.19 | | 24.5 | 1 | |
| 15 | HQAM | 1 | 74 | 23.11 | 23.22 | 23.14 | | 24.5 | 1 | |
| 15 | HQAM | 36 | 0 | 22.31 | 22.50 | 22.37 | | 23.5 | 2 | |
| 15 | HQAM | 36 | 20 | 22.23 | 22.28 | 22.18 | | 23.5 | 2 | |
| 15 | HQAM | 36 | 39 | 22.12 | 22.26 | 22.23 | | 23.5 | 2 | |
| 15 | HQAM | 75 | 0 | 22.33 | 22.37 | 22.27 | | 23.5 | 2 | |
| 15 | HQAM | 1 | 0 | 22.24 | 22.43 | 22.38 | | 23.5 | 2 | |
| 15 | HQAM | 1 | 37 | 22.26 | 22.39 | 22.32 | | 23.5 | 2 | |
| 15 | HQAM | 1 | 74 | 22.21 | 22.24 | 22.24 | | 23.5 | 2 | |
| 15 | HQAM | 36 | 0 | 21.34 | 21.35 | 21.24 | | 22.5 | 3 | |
| 15 | HQAM | 36 | 20 | 21.28 | 21.43 | 21.27 | | 22.5 | 3 | |
| 15 | HQAM | 36 | 39 | 21.18 | 21.34 | 21.27 | | 22.5 | 3 | |
| 15 | HQAM | 75 | 0 | 21.21 | 21.31 | 21.25 | | 22.5 | 3 | |
| 15 | HQAM | 1 | 0 | 19.33 | 19.44 | 19.35 | | 20.5 | 5 | |
| 15 | HQAM | 1 | 37 | 19.18 | 19.28 | 19.28 | | 20.5 | 5 | |
| 15 | HQAM | 1 | 74 | 19.14 | 19.25 | 19.20 | | 20.5 | 5 | |
| 15 | HQAM | 10 | 0 | 19.20 | 19.37 | 19.27 | | 20.5 | 5 | |
| 15 | HQAM | 10 | 20 | 19.27 | 19.33 | 19.18 | | 20.5 | 5 | |
| 15 | HQAM | 36 | 30 | 19.19 | 19.27 | 19.10 | | 20.5 | 5 | |
| 15 | HQAM | 15 | 4 | 19.11 | 19.32 | 19.20 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.15 | 24.17 | 24.03 | | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.20 | 24.32 | 24.17 | | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.17 | 24.30 | 24.29 | | 25.5 | 0 | |
| 10 | QPSK | 10 | 0 | 23.17 | 23.20 | 23.18 | | 24.5 | 1 | |
| 10 | QPSK | 10 | 25 | 23.29 | 23.28 | 23.28 | | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.20 | 23.25 | 23.18 | | 24.5 | 1 | |
| 10 | QPSK | 10 | 0 | 23.28 | 23.42 | 23.23 | | 24.5 | 1 | |
| 10 | HQAM | 1 | 0 | 23.19 | 23.32 | 23.28 | | 24.5 | 1 | |
| 10 | HQAM | 1 | 25 | 23.27 | 23.31 | 23.20 | | 24.5 | 1 | |
| 10 | HQAM | 1 | 49 | 23.10 | 23.27 | 23.20 | | 24.5 | 1 | |
| 10 | HQAM | 25 | 0 | 22.33 | 22.44 | 22.34 | | 23.5 | 2 | |
| 10 | HQAM | 25 | 12 | 22.19 | 22.28 | 22.14 | | 23.5 | 2 | |
| 10 | HQAM | 25 | 39 | 22.10 | 22.30 | 22.23 | | 23.5 | 2 | |
| 10 | HQAM | 50 | 0 | 22.39 | 22.41 | 22.25 | | 23.5 | 2 | |
| 10 | HQAM | 1 | 0 | 22.27 | 22.41 | 22.41 | | 23.5 | 2 | |
| 10 | HQAM | 1 | 25 | 22.29 | 22.33 | 22.31 | | 23.5 | 2 | |
| 10 | HQAM | 1 | 49 | 22.18 | 22.32 | 22.25 | | 23.5 | 2 | |
| 10 | HQAM | 25 | 0 | 21.35 | 21.39 | 21.29 | | 22.5 | 3 | |
| 10 | HQAM | 25 | 12 | 21.28 | 21.24 | 21.24 | | 22.5 | 3 | |
| 10 | HQAM | 25 | 39 | 21.22 | 21.25 | 21.24 | | 22.5 | 3 | |
| 10 | HQAM | 50 | 0 | 21.17 | 21.23 | 21.24 | | 22.5 | 3 | |
| 10 | HQAM | 50 | 0 | 19.27 | 19.43 | 19.35 | | 20.5 | 5 | |
| 10 | HQAM | 1 | 25 | 19.23 | 19.27 | 19.22 | | 20.5 | 5 | |
| 10 | HQAM | 1 | 49 | 19.12 | 19.28 | 19.14 | | 20.5 | 5 | |
| 10 | HQAM | 1 | 99 | 19.08 | 19.30 | 19.23 | | 20.5 | 5 | |
| 10 | HQAM | 10 | 0 | 19.19 | 19.30 | 19.12 | | 20.5 | 5 | |
| 10 | HQAM | 10 | 25 | 19.17 | 19.19 | 19.06 | | 20.5 | 5 | |
| 10 | HQAM | 60 | 0 | 19.17 | 19.24 | 19.21 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.33 | 24.45 | 24.34 | | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.24 | 24.33 | 24.17 | | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.18 | 24.33 | 24.33 | | 25.5 | 0 | |
| 5 | QPSK | 12 | 0 | 23.17 | 23.46 | 23.21 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.27 | 23.34 | 23.28 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.23 | 23.22 | 23.16 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 19 | 23.20 | 23.42 | 23.23 | | 24.5 | 1 | |
| 5 | HQAM | 1 | 0 | 23.25 | 23.31 | 23.24 | | 24.5 | 1 | |
| 5 | HQAM | 1 | 12 | 23.17 | 23.33 | 23.21 | | 24.5 | 1 | |
| 5 | HQAM | 1 | 24 | 23.10 | 23.29 | 23.23 | | 24.5 | 1 | |
| 5 | HQAM | 12 | 0 | 22.29 | 22.43 | 22.34 | | 23.5 | 2 | |
| 5 | HQAM | 12 | 7 | 22.20 | 22.34 | 22.20 | | 23.5 | 2 | |
| 5 | HQAM | 12 | 13 | 22.10 | 22.25 | 22.12 | | 23.5 | 2 | |
| 5 | HQAM | 25 | 0 | 22.30 | 22.40 | 22.28 | | 23.5 | 2 | |
| 5 | HQAM | 1 | 0 | 22.22 | 22.41 | 22.39 | | 23.5 | 2 | |
| 5 | HQAM | 1 | 12 | 22.14 | 22.37 | 22.30 | | 23.5 | 2 | |
| 5 | HQAM | 1 | 24 | 22.13 | 22.28 | 22.20 | | 23.5 | 2 | |
| 5 | HQAM | 12 | 0 | 21.30 | 21.34 | 21.28 | | 22.5 | 3 | |
| 5 | HQAM | 12 | 7 | 21.04 | 21.20 | 21.18 | | 22.5 | 3 | |
| 5 | HQAM | 12 | 13 | 21.21 | 21.29 | 21.21 | | 22.5 | 3 | |
| 5 | HQAM | 25 | 0 | 21.11 | 21.21 | 21.21 | | 22.5 | 3 | |
| 5 | HQAM | 1 | 0 | 19.28 | 19.43 | 19.38 | | 20.5 | 5 | |
| 5 | HQAM | 1 | 12 | 19.23 | 19.31 | 19.22 | | 20.5 | 5 | |
| 5 | HQAM | 1 | 24 | 19.19 | 19.32 | 19.22 | | 20.5 | 5 | |
| 5 | HQAM | 12 | 0 | 19.35 | 19.37 | 19.25 | | 20.5 | 5 | |
| 5 | HQAM | 12 | 7 | 19.24 | 19.31 | 19.19 | | 20.5 | 5 | |
| 5 | HQAM | 12 | 13 | 19.15 | 19.20 | 19.04 | | 20.5 | 5 | |
| 5 | HQAM | 25 | 0 | 19.11 | 19.30 | 19.18 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.29 | 24.46 | 24.29 | | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 24.30 | 24.39 | 24.21 | | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 6 | 24.12 | 24.29 | 24.31 | | 25.5 | 0 | |
| 1.4 | QPSK | 3 | 0 | 24.30 | 24.44 | 24.31 | | 25.5 | 0 | |
| 1.4 | QPSK | 3 | 1 | 24.27 | 24.34 | 24.28 | | 25.5 | 0 | |
| 1.4 | QPSK | 3 | 4 | 24.24 | 24.34 | 24.32 | | 25.5 | 0 | |
| 1.4 | QPSK | 6 | 0 | 23.19 | 23.40 | 23.23 | | 24.5 | 1 | |
| 1.4 | HQAM | 1 | 0 | 23.31 | 23.32 | 23.32 | | 24.5 | 1 | |
| 1.4 | HQAM | 1 | 14 | 23.12 | 23.24 | 23.14 | | 24.5 | 1 | |
| 1.4 | HQAM | 1 | 28 | 23.23 | 23.31 | 23.23 | | 24.5 | 1 | |
| 1.4 | HQAM | 6 | 0 | 22.35 | 22.37 | 22.25 | | 23.5 | 2 | |
| 1.4 | HQAM | 6 | 8 | 22.16 | 22.20 | 22.20 | | 23.5 | 2 | |
| 1.4 | HQAM | 15 | 0 | 22.35 | 22.37 | 22.25 | | 23.5 | 2 | |
| 1.4 | HQAM | 1 | 0 | 22.23 | 22.37 | 22.31 | | 23.5 | 2 | |
| 1.4 | HQAM | 1 | 8 | 22.30 | 22.30 | 22.31 | | 23.5 | 2 | |
| 1.4 | HQAM | 1 | 14 | 22.11 | 22.22 | 22.23 | | 23.5 | 2 | |
| 1.4 | HQAM | 3 | 0 | 21.27 | 21.33 | 21.27 | | 22.5 | 3 | |
| 1.4 | HQAM | 3 | 4 | 21.04 | 21.20 | 21.20 | | 22.5 | 3 | |
| 1.4 | HQAM | 3 | 7 | 21.15 | 21.28 | 21.24 | | 22.5 | 3 | |
| 1.4 | HQAM | 15 | 0 | 21.22 | 21.35 | 21.22 | | 22.5 | 3 | |
| 1.4 | HQAM | 3 | 0 | 22.10 | 22.30 | 22.25 | | 22.5 | 3 | |
| 1.4 | HQAM | 3 | 22 | 21.35 | 21.28 | 21.28 | | 22.5 | 3 | |
| 1.4 | HQAM | 1 | 0 | 19.27 | 19.45 | 19.36 | | 20.5 | 5 | |
| 1.4 | HQAM | 1 | 3 | 19.16 | 19.32 | 19.22 | | 20.5 | 5 | |
| 1.4 | HQAM | 1 | 6 | 19.15 | 19.27 | 19.22 | | 20.5 | 5 | |
| 1.4 | HQAM | 3 | 0 | 19.29 | 19.36 | 19.21 | | 20.5 | 5 | |
| 1.4 | HQAM | 3 | 1 | 19.20 | 19.27 | 19.21 | | 20.5 | 5 | |
| 1.4 | HQAM | 3 | 4 | 19.19 | 19.25 | 19.08 | | 20.5 | 5 | |
| 1.4 | HQAM | 6 | 0 | 19.19 | 19.28 | 19.22 | | 20.5 | 5 | |

| Band 5 Other PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|----------------|---------------------|---------------------|--------------------|--------------------|----------|----------|
| RF [MHz] | Modulation | RB Size | RB Offset | Power Ch./Frac | Power Ind. Ch./Frac | Power High Ch./Frac | Power Low Ch./Frac | Tune-up limit (dB) | MFR (dB) | MFR (dB) |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| | | | | | | | | | | |



| Band 4 Other PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|--------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Tune-up (dB) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.68 | 23.85 | 23.77 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.67 | 23.73 | 23.81 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 23.65 | 23.76 | 23.66 | 24.5 | 0 | | |
| 20 | QPSK | 50 | 0 | 22.69 | 22.82 | 22.70 | 23.5 | 1 | | |
| 20 | QPSK | 50 | 24 | 22.67 | 22.81 | 22.66 | 23.5 | 1 | | |
| 20 | QPSK | 50 | 50 | 22.71 | 22.79 | 22.74 | 23.5 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.64 | 22.76 | 22.68 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 0 | 22.69 | 22.75 | 22.67 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 49 | 22.54 | 22.69 | 22.62 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.57 | 22.65 | 22.58 | 23.5 | 1 | | |
| 20 | 16QAM | 50 | 0 | 21.64 | 21.71 | 21.58 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 24 | 21.43 | 21.57 | 21.49 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 55 | 21.37 | 21.51 | 21.46 | 22.5 | 2 | | |
| 20 | 16QAM | 100 | 0 | 21.55 | 21.64 | 21.54 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 0 | 21.55 | 21.69 | 21.58 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 49 | 21.48 | 21.61 | 21.49 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.48 | 21.54 | 21.42 | 22.5 | 2 | | |
| 20 | 64QAM | 50 | 0 | 20.52 | 20.62 | 20.50 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 24 | 20.38 | 20.49 | 20.36 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 50 | 20.45 | 20.55 | 20.40 | 21.5 | 3 | | |
| 20 | 64QAM | 100 | 0 | 20.52 | 20.58 | 20.51 | 21.5 | 3 | | |
| 20 | 256QAM | 1 | 0 | 18.48 | 18.58 | 18.50 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 49 | 18.43 | 18.49 | 18.40 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.37 | 18.45 | 18.39 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 0 | 18.43 | 18.50 | 18.43 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 24 | 18.36 | 18.44 | 18.36 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.28 | 18.37 | 18.28 | 19.5 | 5 | | |
| 20 | 256QAM | 100 | 0 | 18.32 | 18.44 | 18.36 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.62 | 23.77 | 23.64 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.54 | 23.68 | 23.56 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 23.59 | 23.62 | 23.57 | 24.5 | 0 | | |
| 15 | QPSK | 36 | 8 | 22.60 | 22.70 | 22.65 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.59 | 22.73 | 22.57 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 39 | 22.62 | 22.71 | 22.67 | 23.5 | 1 | | |
| 15 | QPSK | 75 | 0 | 22.54 | 22.72 | 22.57 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.62 | 22.67 | 22.58 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.43 | 22.59 | 22.55 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.44 | 22.53 | 22.46 | 23.5 | 1 | | |
| 15 | 16QAM | 36 | 0 | 21.58 | 21.65 | 21.53 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 20 | 21.35 | 21.50 | 21.39 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.26 | 21.37 | 21.23 | 22.5 | 2 | | |
| 15 | 16QAM | 75 | 0 | 21.48 | 21.58 | 21.43 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 0 | 21.41 | 21.55 | 21.42 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 37 | 21.39 | 21.50 | 21.35 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.40 | 21.48 | 21.34 | 22.5 | 2 | | |
| 15 | 64QAM | 36 | 0 | 20.40 | 20.53 | 20.36 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.29 | 20.36 | 20.22 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 39 | 20.37 | 20.50 | 20.41 | 21.5 | 3 | | |
| 15 | 64QAM | 75 | 0 | 20.37 | 20.49 | 20.40 | 21.5 | 3 | | |
| 15 | 256QAM | 1 | 0 | 18.42 | 18.44 | 18.44 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.38 | 18.27 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.26 | 18.38 | 18.31 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 0 | 18.28 | 18.37 | 18.36 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 20 | 18.24 | 18.37 | 18.30 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.20 | 18.28 | 18.15 | 19.5 | 5 | | |
| 15 | 256QAM | 75 | 0 | 18.22 | 18.37 | 18.22 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.58 | 23.76 | 23.65 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.55 | 23.59 | 23.53 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.54 | 23.71 | 23.55 | 24.5 | 0 | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.70 | 22.65 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.55 | 22.73 | 22.61 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 22.63 | 22.72 | 22.64 | 23.5 | 1 | | |
| 10 | QPSK | 50 | 0 | 22.58 | 22.67 | 22.55 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.61 | 22.61 | 22.58 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.44 | 22.63 | 22.54 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.48 | 22.55 | 22.46 | 23.5 | 1 | | |
| 10 | 16QAM | 25 | 0 | 21.49 | 21.59 | 21.51 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.31 | 21.49 | 21.42 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 21.29 | 21.43 | 21.33 | 22.5 | 2 | | |
| 10 | 16QAM | 50 | 0 | 21.45 | 21.52 | 21.46 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 0 | 21.42 | 21.58 | 21.50 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.35 | 21.50 | 21.35 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.36 | 21.40 | 21.35 | 22.5 | 2 | | |
| 10 | 64QAM | 25 | 0 | 20.39 | 20.53 | 20.43 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 20.29 | 20.43 | 20.21 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.38 | 20.47 | 20.41 | 21.5 | 3 | | |
| 10 | 64QAM | 50 | 0 | 20.43 | 20.43 | 20.36 | 21.5 | 3 | | |
| 10 | 256QAM | 1 | 0 | 18.39 | 18.48 | 18.44 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.30 | 18.39 | 18.30 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.26 | 18.37 | 18.32 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 0 | 18.38 | 18.42 | 18.31 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.23 | 18.32 | 18.23 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.18 | 18.23 | 18.21 | 19.5 | 5 | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.31 | 18.23 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.62 | 23.78 | 23.63 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.58 | 23.66 | 23.46 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 23.55 | 23.62 | 23.52 | 24.5 | 0 | | |
| 5 | QPSK | 12 | 0 | 22.62 | 22.70 | 22.63 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.62 | 22.74 | 22.60 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 22.66 | 22.75 | 22.61 | 23.5 | 1 | | |
| 5 | QPSK | 25 | 0 | 22.53 | 22.65 | 22.53 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.63 | 22.65 | 22.58 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.47 | 22.56 | 22.60 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.59 | 22.47 | 23.5 | 1 | | |
| 5 | 16QAM | 12 | 0 | 21.49 | 21.56 | 21.48 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.29 | 21.48 | 21.39 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.24 | 21.46 | 21.37 | 22.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.43 | 21.58 | 21.41 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 0 | 21.46 | 21.58 | 21.42 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.39 | 21.50 | 21.35 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 21.35 | 21.48 | 21.31 | 22.5 | 2 | | |
| 5 | 64QAM | 12 | 0 | 20.39 | 20.49 | 20.37 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.33 | 20.42 | 20.32 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 20.37 | 20.42 | 20.39 | 21.5 | 3 | | |
| 5 | 64QAM | 25 | 0 | 20.46 | 20.47 | 20.42 | 21.5 | 3 | | |
| 5 | 256QAM | 1 | 0 | 18.38 | 18.44 | 18.36 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.34 | 18.37 | 18.33 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.26 | 18.38 | 18.31 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 0 | 18.38 | 18.40 | 18.31 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.29 | 18.29 | 18.28 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.19 | 18.23 | 18.22 | 19.5 | 5 | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.36 | 18.24 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.54 | 23.72 | 23.66 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.57 | 23.66 | 23.50 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 23.54 | 23.70 | 23.59 | 24.5 | 0 | | |
| 3 | QPSK | 8 | 0 | 22.58 | 22.66 | 22.61 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.53 | 22.72 | 22.64 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 22.65 | 22.76 | 22.64 | 23.5 | 1 | | |
| 3 | QPSK | 15 | 0 | 22.51 | 22.66 | 22.54 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.59 | 22.65 | 22.60 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.40 | 22.60 | 22.44 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 14 | 22.43 | 22.54 | 22.47 | 23.5 | 1 | | |
| 3 | 16QAM | 8 | 0 | 21.67 | 21.62 | 21.50</ | | | | |



| Band 4 Other PA Ant3 | | | | | | | | | | |
|----------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|--------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Turn-up (dB) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.98 | 24.17 | 23.88 | 25.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.78 | 23.89 | 23.78 | | | | |
| 20 | QPSK | 1 | 99 | 23.78 | 23.97 | 23.75 | | | | |
| 20 | QPSK | 50 | 0 | 22.87 | 23.12 | 22.96 | 24.5 | 1 | | |
| 20 | QPSK | 50 | 24 | 22.86 | 23.00 | 22.74 | | | | |
| 20 | QPSK | 50 | 50 | 22.66 | 23.02 | 22.69 | | | | |
| 20 | QPSK | 100 | 0 | 22.58 | 22.81 | 22.60 | | | | |
| 20 | QPSK | 100 | 24 | 22.57 | 22.67 | 22.55 | | | | |
| 20 | 16QAM | 1 | 49 | 22.58 | 22.81 | 22.56 | 24.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.58 | 22.77 | 22.59 | | | | |
| 20 | 16QAM | 50 | 0 | 21.54 | 21.62 | 21.58 | | | | |
| 20 | 16QAM | 50 | 24 | 21.59 | 21.68 | 21.52 | 23.5 | 2 | | |
| 20 | 16QAM | 50 | 49 | 21.52 | 21.62 | 21.55 | | | | |
| 20 | 16QAM | 100 | 0 | 21.53 | 21.78 | 21.56 | | | | |
| 20 | 16QAM | 100 | 24 | 21.54 | 21.80 | 21.56 | | | | |
| 20 | 16QAM | 100 | 49 | 21.59 | 21.72 | 21.52 | 23.5 | 2 | | |
| 20 | 16QAM | 1 | 99 | 21.53 | 21.65 | 21.52 | | | | |
| 20 | 16QAM | 50 | 0 | 20.54 | 20.75 | 20.52 | | | | |
| 20 | 16QAM | 50 | 24 | 20.52 | 20.62 | 20.52 | 22.5 | 3 | | |
| 20 | 16QAM | 50 | 50 | 20.50 | 20.68 | 20.53 | | | | |
| 20 | 16QAM | 100 | 0 | 20.51 | 20.71 | 20.57 | | | | |
| 20 | 16QAM | 100 | 24 | 20.52 | 20.68 | 20.55 | | | | |
| 20 | 16QAM | 100 | 49 | 20.56 | 20.59 | 20.56 | 20.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.51 | 18.55 | 18.52 | | | | |
| 20 | 256QAM | 50 | 0 | 18.58 | 18.61 | 18.53 | | | | |
| 20 | 256QAM | 50 | 24 | 18.53 | 18.55 | 18.51 | 20.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.59 | 18.58 | 18.53 | | | | |
| 20 | 256QAM | 100 | 0 | 18.52 | 18.52 | 18.50 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.52 | 23.81 | 23.58 | 25.5 | 0 | | |
| 15 | QPSK | 1 | 30 | 23.53 | 23.68 | 23.54 | | | | |
| 15 | QPSK | 1 | 74 | 23.55 | 23.89 | 23.54 | | | | |
| 15 | QPSK | 36 | 0 | 22.57 | 22.79 | 22.59 | 24.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.58 | 22.60 | 22.59 | | | | |
| 15 | QPSK | 36 | 36 | 22.54 | 22.89 | 22.62 | | | | |
| 15 | QPSK | 75 | 0 | 22.59 | 22.89 | 22.63 | | | | |
| 15 | 16QAM | 1 | 0 | 22.59 | 22.74 | 22.54 | 24.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.55 | 22.66 | 22.55 | | | | |
| 15 | 16QAM | 1 | 74 | 21.56 | 21.71 | 21.56 | | | | |
| 15 | 16QAM | 36 | 0 | 21.54 | 21.74 | 21.52 | | | | |
| 15 | 16QAM | 36 | 20 | 21.57 | 21.53 | 21.53 | 23.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.56 | 21.57 | 21.53 | | | | |
| 15 | 16QAM | 75 | 0 | 21.54 | 21.65 | 21.59 | | | | |
| 15 | 16QAM | 1 | 0 | 21.58 | 21.70 | 21.57 | 23.5 | 2 | | |
| 15 | 16QAM | 1 | 37 | 21.52 | 21.63 | 21.53 | | | | |
| 15 | 16QAM | 1 | 74 | 21.55 | 21.51 | 21.51 | | | | |
| 15 | 16QAM | 36 | 0 | 20.52 | 20.70 | 20.54 | | | | |
| 15 | 16QAM | 36 | 39 | 20.54 | 20.62 | 20.55 | 22.5 | 3 | | |
| 15 | 16QAM | 36 | 39 | 20.55 | 20.58 | 20.59 | | | | |
| 15 | 16QAM | 75 | 0 | 20.59 | 20.66 | 20.59 | | | | |
| 15 | 256QAM | 1 | 0 | 18.52 | 18.52 | 18.51 | | | | |
| 15 | 256QAM | 1 | 37 | 18.53 | 18.59 | 18.58 | 20.5 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.50 | 18.52 | 18.53 | | | | |
| 15 | 256QAM | 36 | 0 | 18.51 | 18.51 | 18.57 | | | | |
| 15 | 256QAM | 36 | 20 | 18.64 | 18.67 | 18.62 | 20.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.52 | 18.59 | 18.53 | | | | |
| 15 | 256QAM | 75 | 0 | 18.57 | 18.52 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.75 | 23.84 | 23.74 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.53 | 23.62 | 23.64 | | | | |
| 10 | QPSK | 1 | 49 | 23.78 | 23.83 | 23.67 | | | | |
| 10 | QPSK | 25 | 0 | 22.82 | 22.82 | 22.74 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.80 | 22.91 | 22.66 | | | | |
| 10 | QPSK | 25 | 25 | 22.81 | 22.89 | 22.56 | | | | |
| 10 | QPSK | 50 | 0 | 22.72 | 22.72 | 22.61 | | | | |
| 10 | 16QAM | 1 | 0 | 22.63 | 22.79 | 22.75 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.61 | 22.73 | 22.67 | | | | |
| 10 | 16QAM | 1 | 49 | 22.62 | 22.72 | 22.65 | | | | |
| 10 | 16QAM | 25 | 0 | 21.60 | 21.74 | 21.65 | | | | |
| 10 | 16QAM | 25 | 12 | 21.58 | 21.56 | 21.60 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 21.51 | 21.53 | 21.53 | | | | |
| 10 | 16QAM | 50 | 0 | 21.51 | 21.70 | 21.70 | | | | |
| 10 | 16QAM | 1 | 0 | 21.60 | 21.68 | 21.63 | 23.5 | 2 | | |
| 10 | 16QAM | 1 | 25 | 21.54 | 21.62 | 21.60 | | | | |
| 10 | 16QAM | 1 | 49 | 21.58 | 21.57 | 21.57 | | | | |
| 10 | 16QAM | 25 | 0 | 20.62 | 20.65 | 20.58 | 22.5 | 3 | | |
| 10 | 16QAM | 25 | 12 | 20.54 | 20.65 | 20.51 | | | | |
| 10 | 16QAM | 25 | 25 | 20.53 | 20.58 | 20.66 | | | | |
| 10 | 16QAM | 50 | 0 | 20.52 | 20.61 | 20.53 | | | | |
| 10 | 256QAM | 1 | 0 | 18.55 | 18.60 | 18.59 | | | | |
| 10 | 256QAM | 1 | 25 | 18.53 | 18.59 | 18.59 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.53 | 18.54 | 18.51 | | | | |
| 10 | 256QAM | 25 | 0 | 18.53 | 18.55 | 18.57 | | | | |
| 10 | 256QAM | 25 | 12 | 18.56 | 18.53 | 18.58 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.58 | 18.58 | 18.52 | | | | |
| 10 | 256QAM | 50 | 0 | 18.52 | 18.52 | 18.53 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.81 | 23.83 | 23.85 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 23.56 | 23.69 | 23.60 | | | | |
| 5 | QPSK | 1 | 24 | 23.75 | 23.89 | 23.89 | | | | |
| 5 | QPSK | 12 | 0 | 22.68 | 22.72 | 22.71 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.76 | 22.88 | 22.95 | | | | |
| 5 | QPSK | 12 | 13 | 22.85 | 22.96 | 22.85 | | | | |
| 5 | QPSK | 25 | 0 | 22.65 | 22.77 | 22.83 | | | | |
| 5 | 16QAM | 1 | 0 | 22.69 | 22.80 | 22.71 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.59 | 22.75 | 22.68 | | | | |
| 5 | 16QAM | 1 | 24 | 22.60 | 22.63 | 22.64 | | | | |
| 5 | 16QAM | 12 | 0 | 21.90 | 22.03 | 22.00 | | | | |
| 5 | 16QAM | 12 | 7 | 21.77 | 21.85 | 21.96 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.65 | 21.78 | 21.88 | | | | |
| 5 | 16QAM | 25 | 0 | 21.87 | 21.98 | 21.95 | | | | |
| 5 | 16QAM | 1 | 0 | 21.97 | 22.05 | 21.97 | 23.5 | 2 | | |
| 5 | 16QAM | 1 | 12 | 21.80 | 21.92 | 21.95 | | | | |
| 5 | 16QAM | 1 | 24 | 21.77 | 21.86 | 21.84 | | | | |
| 5 | 16QAM | 12 | 0 | 20.88 | 21.00 | 20.90 | 22.5 | 3 | | |
| 5 | 16QAM | 12 | 7 | 20.74 | 20.82 | 20.80 | | | | |
| 5 | 16QAM | 12 | 13 | 20.79 | 20.90 | 20.90 | | | | |
| 5 | 256QAM | 1 | 0 | 20.77 | 20.86 | 20.81 | | | | |
| 5 | 256QAM | 1 | 1 | 18.80 | 18.85 | 18.84 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.64 | 18.78 | 18.71 | | | | |
| 5 | 256QAM | 1 | 24 | 18.60 | 18.75 | 18.68 | | | | |
| 5 | 256QAM | 12 | 0 | 18.67 | 18.83 | 18.82 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.60 | 18.78 | 18.73 | | | | |
| 5 | 256QAM | 12 | 13 | 18.61 | 18.85 | 18.81 | | | | |
| 5 | 256QAM | 25 | 0 | 18.73 | 18.75 | 18.77 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.06 | 24.16 | 24.16 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.90 | 23.95 | 23.93 | | | | |
| 3 | QPSK | 1 | 14 | 24.04 | 24.12 | 24.10 | | | | |
| 3 | QPSK | 8 | 0 | 23.90 | 23.10 | 23.07 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 23.95 | 23.17 | 23.23 | | | | |
| 3 | QPSK | 8 | 7 | 23.14 | 23.21 | 23.15 | | | | |
| 3 | QPSK | 15 | 0 | 23.88 | 23.07 | 23.08 | | | | |
| 3 | 16QAM | 1 | 0 | 22.93 | 23.10 | 23.05 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.89 | 23.03 | 23.00 | | | | |
| 3 | 16QAM | 1 | 14 | 22.88 | 22.97 | 23.04 | | | | |
| 3 | 16QAM | 8 | 0 | 21.94 | 22.03 | 21.93 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 4 | 21.78 | 21.90 | 21.89 | | | | |
| 3 | 16QAM | 8 | 7 | 21.67 | 21.78 | 21.82 | | | | |
| 3 | 16QAM | 15 | 0 | 21.85 | 22.01 | 21.91 | | | | |
| 3 | 16QAM | 1 | 0 | 21.69 | | | | | | |



Band 4 Other PA Ant4

| SW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq 20000 | Tune-up limit (dBm) | MPE (dB) |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.07 | 23.27 | 23.21 | 24.5 | 0 |
| 20 | QPSK | 1 | 49 | 22.91 | 23.15 | 23.12 | 24.5 | 0 |
| 20 | QPSK | 1 | 99 | 23.03 | 23.22 | 23.20 | 24.5 | 0 |
| 20 | QPSK | 50 | 0 | 21.98 | 22.27 | 22.14 | 23.5 | 1 |
| 20 | QPSK | 50 | 24 | 22.00 | 22.18 | 22.14 | 23.5 | 1 |
| 20 | QPSK | 50 | 50 | 22.05 | 22.23 | 22.24 | 23.5 | 1 |
| 20 | QPSK | 100 | 0 | 22.00 | 22.19 | 22.10 | 23.5 | 1 |
| 20 | 16QAM | 1 | 0 | 22.03 | 22.21 | 22.11 | 23.5 | 1 |
| 20 | 16QAM | 1 | 49 | 22.14 | 22.31 | 22.27 | 23.5 | 1 |
| 20 | 16QAM | 1 | 99 | 22.09 | 22.27 | 22.25 | 23.5 | 1 |
| 20 | 16QAM | 50 | 0 | 21.05 | 21.25 | 21.22 | 22.5 | 2 |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.26 | 21.20 | 22.5 | 2 |
| 20 | 16QAM | 50 | 50 | 21.04 | 21.21 | 21.14 | 22.5 | 2 |
| 20 | 16QAM | 100 | 0 | 20.99 | 21.23 | 21.15 | 22.5 | 2 |
| 20 | 84QAM | 1 | 0 | 20.93 | 21.13 | 21.11 | 22.5 | 2 |
| 20 | 84QAM | 1 | 49 | 21.00 | 21.24 | 21.14 | 22.5 | 2 |
| 20 | 84QAM | 1 | 99 | 21.00 | 21.23 | 21.17 | 22.5 | 2 |
| 20 | 84QAM | 50 | 0 | 20.93 | 20.22 | 20.17 | 21.5 | 3 |
| 20 | 84QAM | 50 | 24 | 20.98 | 20.25 | 20.20 | 21.5 | 3 |
| 20 | 84QAM | 50 | 50 | 20.95 | 20.23 | 20.18 | 21.5 | 3 |
| 20 | 84QAM | 100 | 0 | 20.91 | 20.20 | 20.16 | 21.5 | 3 |
| 20 | 256QAM | 1 | 0 | 17.81 | 18.02 | 17.92 | 19.5 | 5 |
| 20 | 256QAM | 1 | 49 | 17.87 | 18.11 | 18.07 | 19.5 | 5 |
| 20 | 256QAM | 1 | 99 | 17.83 | 18.04 | 17.97 | 19.5 | 5 |
| 20 | 256QAM | 50 | 0 | 18.06 | 18.26 | 18.18 | 19.5 | 5 |
| 20 | 256QAM | 50 | 24 | 17.93 | 18.16 | 18.15 | 19.5 | 5 |
| 20 | 256QAM | 50 | 50 | 17.94 | 18.17 | 18.14 | 19.5 | 5 |
| 20 | 256QAM | 100 | 0 | 18.00 | 18.19 | 18.13 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.83 | 23.12 | 23.14 | 24.5 | 0 |
| 15 | QPSK | 1 | 37 | 22.80 | 23.03 | 23.04 | 24.5 | 0 |
| 15 | QPSK | 1 | 74 | 22.90 | 23.11 | 23.12 | 24.5 | 0 |
| 15 | QPSK | 36 | 0 | 21.80 | 22.14 | 22.04 | 23.5 | 1 |
| 15 | QPSK | 36 | 20 | 21.89 | 22.12 | 22.05 | 23.5 | 1 |
| 15 | QPSK | 36 | 39 | 22.00 | 22.16 | 22.10 | 23.5 | 1 |
| 15 | QPSK | 75 | 0 | 21.88 | 22.14 | 22.08 | 23.5 | 1 |
| 15 | 16QAM | 1 | 0 | 21.97 | 22.15 | 22.01 | 23.5 | 1 |
| 15 | 16QAM | 1 | 37 | 22.02 | 22.17 | 22.14 | 23.5 | 1 |
| 15 | 16QAM | 1 | 74 | 21.94 | 22.17 | 22.20 | 23.5 | 1 |
| 15 | 16QAM | 36 | 0 | 20.97 | 21.14 | 21.11 | 22.5 | 2 |
| 15 | 16QAM | 36 | 20 | 21.01 | 21.12 | 21.08 | 22.5 | 2 |
| 15 | 16QAM | 36 | 39 | 20.90 | 21.08 | 21.03 | 22.5 | 2 |
| 15 | 16QAM | 75 | 0 | 20.92 | 21.17 | 21.02 | 22.5 | 2 |
| 15 | 84QAM | 1 | 0 | 20.82 | 21.02 | 21.05 | 22.5 | 2 |
| 15 | 84QAM | 1 | 37 | 20.89 | 21.15 | 21.09 | 22.5 | 2 |
| 15 | 84QAM | 1 | 74 | 20.90 | 21.16 | 21.11 | 22.5 | 2 |
| 15 | 84QAM | 36 | 0 | 19.94 | 20.09 | 20.09 | 21.5 | 3 |
| 15 | 84QAM | 36 | 20 | 19.97 | 20.16 | 20.05 | 21.5 | 3 |
| 15 | 84QAM | 36 | 39 | 19.98 | 20.08 | 20.03 | 21.5 | 3 |
| 15 | 84QAM | 75 | 0 | 19.92 | 20.07 | 20.06 | 21.5 | 3 |
| 15 | 256QAM | 1 | 0 | 17.68 | 17.90 | 17.83 | 19.5 | 5 |
| 15 | 256QAM | 1 | 37 | 17.74 | 18.04 | 17.97 | 19.5 | 5 |
| 15 | 256QAM | 1 | 74 | 17.76 | 17.92 | 17.90 | 19.5 | 5 |
| 15 | 256QAM | 36 | 0 | 17.97 | 18.11 | 18.02 | 19.5 | 5 |
| 15 | 256QAM | 36 | 20 | 17.82 | 18.03 | 18.01 | 19.5 | 5 |
| 15 | 256QAM | 36 | 39 | 17.89 | 18.11 | 18.02 | 19.5 | 5 |
| 15 | 256QAM | 75 | 0 | 17.90 | 18.08 | 18.05 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.02 | 23.15 | 23.12 | 24.5 | 0 |
| 10 | QPSK | 1 | 25 | 22.78 | 23.03 | 23.01 | 24.5 | 0 |
| 10 | QPSK | 1 | 49 | 22.98 | 23.08 | 23.12 | 24.5 | 0 |
| 10 | QPSK | 25 | 0 | 21.84 | 22.17 | 22.08 | 23.5 | 1 |
| 10 | QPSK | 25 | 12 | 21.84 | 22.06 | 22.05 | 23.5 | 1 |
| 10 | QPSK | 25 | 25 | 21.98 | 22.20 | 22.12 | 23.5 | 1 |
| 10 | QPSK | 50 | 0 | 21.85 | 22.04 | 21.98 | 23.5 | 1 |
| 10 | 16QAM | 1 | 0 | 21.98 | 22.08 | 22.02 | 23.5 | 1 |
| 10 | 16QAM | 1 | 25 | 22.00 | 22.20 | 22.13 | 23.5 | 1 |
| 10 | 16QAM | 1 | 49 | 22.04 | 22.21 | 22.18 | 23.5 | 1 |
| 10 | 16QAM | 25 | 0 | 20.95 | 21.19 | 21.15 | 22.5 | 2 |
| 10 | 16QAM | 25 | 12 | 20.99 | 21.21 | 21.07 | 22.5 | 2 |
| 10 | 16QAM | 25 | 25 | 20.97 | 21.11 | 21.01 | 22.5 | 2 |
| 10 | 16QAM | 50 | 0 | 20.91 | 21.15 | 21.08 | 22.5 | 2 |
| 10 | 84QAM | 1 | 0 | 20.83 | 21.06 | 21.01 | 22.5 | 2 |
| 10 | 84QAM | 1 | 25 | 20.91 | 21.18 | 21.04 | 22.5 | 2 |
| 10 | 84QAM | 1 | 49 | 20.84 | 21.16 | 21.10 | 22.5 | 2 |
| 10 | 84QAM | 25 | 0 | 19.90 | 20.07 | 20.10 | 21.5 | 3 |
| 10 | 84QAM | 25 | 12 | 19.94 | 20.15 | 20.07 | 21.5 | 3 |
| 10 | 84QAM | 25 | 25 | 19.92 | 20.15 | 20.07 | 21.5 | 3 |
| 10 | 84QAM | 50 | 0 | 19.95 | 20.13 | 20.02 | 21.5 | 3 |
| 10 | 256QAM | 1 | 0 | 17.67 | 17.82 | 17.81 | 19.5 | 5 |
| 10 | 256QAM | 1 | 25 | 17.73 | 18.03 | 17.96 | 19.5 | 5 |
| 10 | 256QAM | 1 | 49 | 17.72 | 17.90 | 17.85 | 19.5 | 5 |
| 10 | 256QAM | 25 | 0 | 17.91 | 18.14 | 18.02 | 19.5 | 5 |
| 10 | 256QAM | 25 | 12 | 17.88 | 18.08 | 18.00 | 19.5 | 5 |
| 10 | 256QAM | 25 | 25 | 17.81 | 18.10 | 18.06 | 19.5 | 5 |
| 10 | 256QAM | 50 | 0 | 17.81 | 18.09 | 18.05 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.82 | 23.14 | 23.11 | 24.5 | 0 |
| 5 | QPSK | 1 | 12 | 22.83 | 23.06 | 23.03 | 24.5 | 0 |
| 5 | QPSK | 1 | 24 | 22.96 | 23.16 | 23.09 | 24.5 | 0 |
| 5 | QPSK | 12 | 0 | 21.83 | 22.17 | 22.05 | 23.5 | 1 |
| 5 | QPSK | 12 | 7 | 21.91 | 22.12 | 22.05 | 23.5 | 1 |
| 5 | QPSK | 12 | 13 | 21.98 | 22.15 | 22.12 | 23.5 | 1 |
| 5 | QPSK | 25 | 0 | 21.85 | 22.08 | 21.98 | 23.5 | 1 |
| 5 | 16QAM | 1 | 0 | 21.93 | 22.07 | 21.97 | 23.5 | 1 |
| 5 | 16QAM | 1 | 12 | 22.03 | 22.18 | 22.14 | 23.5 | 1 |
| 5 | 16QAM | 1 | 24 | 21.99 | 22.15 | 22.11 | 23.5 | 1 |
| 5 | 16QAM | 12 | 0 | 20.86 | 21.17 | 21.13 | 22.5 | 2 |
| 5 | 16QAM | 12 | 7 | 20.96 | 21.16 | 21.09 | 22.5 | 2 |
| 5 | 16QAM | 12 | 13 | 20.96 | 21.10 | 21.08 | 22.5 | 2 |
| 5 | 16QAM | 25 | 0 | 20.80 | 21.13 | 21.07 | 22.5 | 2 |
| 5 | 84QAM | 1 | 0 | 20.88 | 21.05 | 21.02 | 22.5 | 2 |
| 5 | 84QAM | 1 | 12 | 20.88 | 21.09 | 21.07 | 22.5 | 2 |
| 5 | 84QAM | 1 | 24 | 20.86 | 21.12 | 21.10 | 22.5 | 2 |
| 5 | 84QAM | 12 | 0 | 19.95 | 20.14 | 20.03 | 21.5 | 3 |
| 5 | 84QAM | 12 | 7 | 19.98 | 20.11 | 20.06 | 21.5 | 3 |
| 5 | 84QAM | 12 | 13 | 19.92 | 20.13 | 20.07 | 21.5 | 3 |
| 5 | 84QAM | 25 | 0 | 19.90 | 20.12 | 20.10 | 21.5 | 3 |
| 5 | 256QAM | 1 | 0 | 17.72 | 17.94 | 17.83 | 19.5 | 5 |
| 5 | 256QAM | 1 | 12 | 17.81 | 18.04 | 17.95 | 19.5 | 5 |
| 5 | 256QAM | 1 | 24 | 17.69 | 17.93 | 17.84 | 19.5 | 5 |
| 5 | 256QAM | 12 | 0 | 17.99 | 18.14 | 18.01 | 19.5 | 5 |
| 5 | 256QAM | 12 | 7 | 17.80 | 18.08 | 18.07 | 19.5 | 5 |
| 5 | 256QAM | 12 | 13 | 17.80 | 18.07 | 18.05 | 19.5 | 5 |
| 5 | 256QAM | 25 | 0 | 17.85 | 18.07 | 18.00 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.01 | 23.15 | 23.15 | 24.5 | 0 |
| 3 | QPSK | 1 | 8 | 22.82 | 23.03 | 23.06 | 24.5 | 0 |
| 3 | QPSK | 1 | 14 | 22.90 | 23.10 | 23.07 | 24.5 | 0 |
| 3 | QPSK | 8 | 0 | 21.93 | 22.14 | 22.02 | 23.5 | 1 |
| 3 | QPSK | 8 | 4 | 21.90 | 22.12 | 22.02 | 23.5 | 1 |
| 3 | QPSK | 8 | 7 | 21.92 | 22.21 | 22.12 | 23.5 | 1 |
| 3 | QPSK | 15 | 0 | 21.92 | 22.09 | 22.01 | 23.5 | 1 |
| 3 | 16QAM | 1 | 0 | 21.90 | 22.08 | 22.05 | 23.5 | 1 |
| 3 | 16QAM | 1 | 8 | 22.06 | 22.23 | 22.13 | 23.5 | 1 |
| 3 | 16QAM | 1 | 14 | 21.99 | 22.13 | 22.10 | 23.5 | 1 |
| 3 | 16QAM | 8 | 0 | 20.98 | 21.16 | 21.09 | 22.5 | 2 |
| 3 | 16QAM | 8 | 4 | 20.98 | 21.17 | 21.07 | 22.5 | 2 |
| 3 | 16QAM | 8 | 7 | 20.99 | 21.14 | 21.00 | 22.5 | 2 |
| 3 | 16QAM | 15 | 0 | 20.85 | 21.09 | 21.02 | 22.5 | 2 |
| 3 | 84QAM | 1 | 0 | 20.82 | 21.01 | 20.96 | 22.5 | 2 |
| 3 | 84QAM | 1 | 8 | 20.90 | 21.18 | 21.08 | 22.5 | 2 |
| 3 | 84QAM | 1 | 14 | 20.94 | 21.09 | 21.07 | 22.5 | 2 |
| 3 | 84QAM | 8 | 0 | 19.94 | 20.09 | 20.04 | 21.5 | 3 |
| 3 | 84QAM | 8 | 4 | 20.00 | 20.15 | 20.12 | 21.5 | 3 |
| 3 | 84QAM | 8 | 7 | 19.93 | 20.08 | 20.04 | 21.5 | 3 |
| 3 | 84QAM | 15 | 0 | 19.87 | 20.11 | 20.09 | 21.5 | 3 |
| 3 | 256QAM | 1 | 0 | 17.75 | 17.88 | 17.78 | | |



Band 12 Other PA Ant0

| BW (MHz) | Modulation | RE Size | RB Offset | Power | | | Time-up limit (min) | MPE (dB) |
|-----------------|------------|---------|-----------|----------------|----------------|-----------------|---------------------|----------|
| | | | | Low Ch / Freq. | Mid Ch / Freq. | High Ch / Freq. | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | |
| 10 | QPSK | 1 | 0 | 24.50 | 24.50 | 24.44 | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 24.37 | 24.44 | 24.45 | | |
| 10 | QPSK | 1 | 49 | 24.40 | 24.50 | 24.45 | | |
| 10 | QPSK | 25 | 0 | 23.70 | 23.74 | 23.63 | 24.5 | 1 |
| 10 | QPSK | 25 | 12 | 23.63 | 23.67 | 23.61 | | |
| 10 | QPSK | 25 | 25 | 23.49 | 23.64 | 23.58 | | |
| 10 | QPSK | 50 | 0 | 23.55 | 23.59 | 23.55 | | |
| 10 | 16QAM | 1 | 0 | 23.47 | 23.52 | 23.56 | 24.5 | 1 |
| 10 | 16QAM | 1 | 25 | 23.59 | 23.58 | 23.62 | | |
| 10 | 16QAM | 1 | 49 | 23.54 | 23.57 | 23.48 | | |
| 10 | 16QAM | 25 | 0 | 22.55 | 22.65 | 22.62 | 23.5 | 2 |
| 10 | 16QAM | 25 | 12 | 22.81 | 22.56 | 22.52 | | |
| 10 | 16QAM | 25 | 25 | 22.44 | 22.51 | 22.44 | | |
| 10 | 16QAM | 50 | 0 | 22.84 | 22.91 | 22.86 | | |
| 10 | 64QAM | 1 | 0 | 22.54 | 22.56 | 22.54 | 23.5 | 2 |
| 10 | 64QAM | 1 | 25 | 22.60 | 22.68 | 22.54 | | |
| 10 | 64QAM | 1 | 49 | 22.70 | 22.75 | 22.61 | | |
| 10 | 64QAM | 25 | 0 | 21.48 | 21.59 | 21.55 | | |
| 10 | 64QAM | 25 | 12 | 21.61 | 21.86 | 21.84 | 22.5 | 3 |
| 10 | 64QAM | 25 | 25 | 21.60 | 21.75 | 21.65 | | |
| 10 | 64QAM | 50 | 0 | 21.90 | 22.04 | 21.92 | | |
| 10 | 256QAM | 1 | 0 | 20.00 | 20.17 | 19.99 | 20.5 | 5 |
| 10 | 256QAM | 1 | 25 | 19.81 | 19.92 | 19.88 | | |
| 10 | 256QAM | 1 | 49 | 20.05 | 20.17 | 20.05 | | |
| 10 | 256QAM | 25 | 0 | 19.47 | 19.56 | 19.52 | 20.5 | 5 |
| 10 | 256QAM | 25 | 12 | 19.30 | 19.84 | 19.75 | | |
| 10 | 256QAM | 25 | 25 | 19.60 | 19.72 | 19.67 | | |
| 10 | 256QAM | 50 | 0 | 19.65 | 19.89 | 19.85 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 24.42 | 24.46 | 24.36 | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 24.24 | 24.34 | 24.33 | | |
| 5 | QPSK | 1 | 24 | 24.27 | 24.38 | 24.37 | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.68 | 23.55 | 24.5 | 1 |
| 5 | QPSK | 12 | 7 | 23.61 | 23.83 | 23.64 | | |
| 5 | QPSK | 12 | 13 | 23.39 | 23.55 | 23.50 | | |
| 5 | QPSK | 25 | 0 | 23.44 | 23.58 | 23.49 | | |
| 5 | 16QAM | 1 | 0 | 23.38 | 23.53 | 23.49 | 24.5 | 1 |
| 5 | 16QAM | 1 | 12 | 23.47 | 23.61 | 23.58 | | |
| 5 | 16QAM | 1 | 24 | 23.39 | 23.51 | 23.38 | | |
| 5 | 16QAM | 12 | 0 | 22.48 | 22.54 | 22.55 | 23.5 | 2 |
| 5 | 16QAM | 12 | 7 | 22.49 | 22.51 | 22.48 | | |
| 5 | 16QAM | 12 | 13 | 22.31 | 22.48 | 22.41 | | |
| 5 | 16QAM | 25 | 0 | 22.74 | 22.85 | 22.73 | | |
| 5 | 64QAM | 1 | 0 | 22.45 | 22.62 | 22.41 | 23.5 | 2 |
| 5 | 64QAM | 1 | 12 | 22.50 | 22.55 | 22.48 | | |
| 5 | 64QAM | 1 | 24 | 22.50 | 22.63 | 22.54 | | |
| 5 | 64QAM | 12 | 0 | 21.42 | 21.55 | 21.41 | 22.5 | 3 |
| 5 | 64QAM | 12 | 7 | 21.71 | 21.80 | 21.75 | | |
| 5 | 64QAM | 12 | 13 | 21.53 | 21.65 | 21.51 | | |
| 5 | 64QAM | 25 | 0 | 21.85 | 21.97 | 21.77 | | |
| 5 | 256QAM | 1 | 0 | 19.88 | 19.99 | 19.89 | 20.5 | 5 |
| 5 | 256QAM | 1 | 12 | 19.70 | 19.81 | 19.75 | | |
| 5 | 256QAM | 1 | 24 | 19.97 | 20.14 | 19.91 | | |
| 5 | 256QAM | 12 | 0 | 19.41 | 19.62 | 19.38 | 20.5 | 5 |
| 5 | 256QAM | 12 | 7 | 19.50 | 19.74 | 19.52 | | |
| 5 | 256QAM | 12 | 13 | 19.45 | 19.59 | 19.51 | | |
| 5 | 256QAM | 25 | 0 | 19.71 | 19.82 | 19.73 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | |
| 3 | QPSK | 1 | 0 | 24.40 | 24.52 | 24.41 | 25.5 | 0 |
| 3 | QPSK | 1 | 8 | 24.34 | 24.34 | 24.34 | | |
| 3 | QPSK | 1 | 14 | 24.36 | 24.40 | 24.38 | | |
| 3 | QPSK | 8 | 0 | 23.68 | 23.65 | 23.49 | 24.5 | 1 |
| 3 | QPSK | 8 | 4 | 23.55 | 23.59 | 23.58 | | |
| 3 | QPSK | 8 | 7 | 23.39 | 23.52 | 23.53 | | |
| 3 | QPSK | 16 | 0 | 23.60 | 23.62 | 23.48 | | |
| 3 | 16QAM | 1 | 0 | 23.39 | 23.49 | 23.49 | 24.5 | 1 |
| 3 | 16QAM | 1 | 8 | 23.47 | 23.53 | 23.55 | | |
| 3 | 16QAM | 1 | 14 | 23.48 | 23.53 | 23.58 | | |
| 3 | 16QAM | 8 | 0 | 22.45 | 22.58 | 22.59 | 23.5 | 2 |
| 3 | 16QAM | 8 | 4 | 22.47 | 22.59 | 22.48 | | |
| 3 | 16QAM | 8 | 7 | 22.70 | 22.40 | 22.48 | | |
| 3 | 16QAM | 16 | 0 | 22.77 | 22.77 | 22.70 | | |
| 3 | 64QAM | 1 | 0 | 22.44 | 22.57 | 22.41 | 23.5 | 2 |
| 3 | 64QAM | 1 | 8 | 22.56 | 22.58 | 22.38 | | |
| 3 | 64QAM | 1 | 14 | 22.59 | 22.73 | 22.52 | | |
| 3 | 64QAM | 8 | 0 | 21.44 | 21.55 | 21.43 | 22.5 | 3 |
| 3 | 64QAM | 8 | 4 | 21.77 | 21.83 | 21.75 | | |
| 3 | 64QAM | 8 | 7 | 21.49 | 21.61 | 21.52 | | |
| 3 | 256QAM | 1 | 0 | 21.79 | 22.00 | 21.83 | 20.5 | 5 |
| 3 | 256QAM | 1 | 8 | 19.88 | 19.91 | 19.89 | | |
| 3 | 256QAM | 1 | 14 | 19.98 | 20.04 | 19.92 | | |
| 3 | 256QAM | 8 | 0 | 19.63 | 19.50 | 19.63 | 20.5 | 5 |
| 3 | 256QAM | 8 | 4 | 19.72 | 19.70 | 19.59 | | |
| 3 | 256QAM | 8 | 7 | 19.48 | 19.59 | 19.53 | | |
| 3 | 256QAM | 16 | 0 | 19.81 | 19.81 | 19.81 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 699.7 | 707.5 | 716.3 | | |
| 1.4 | QPSK | 1 | 0 | 24.41 | 24.52 | 24.53 | 25.5 | 0 |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.25 | | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.41 | 24.38 | | |
| 1.4 | QPSK | 3 | 0 | 24.40 | 24.44 | 24.26 | 24.5 | 1 |
| 1.4 | QPSK | 3 | 1 | 24.20 | 24.35 | 24.30 | | |
| 1.4 | QPSK | 3 | 3 | 24.30 | 24.41 | 24.32 | | |
| 1.4 | QPSK | 6 | 0 | 23.58 | 23.69 | 23.54 | 24.5 | 1 |
| 1.4 | 16QAM | 1 | 0 | 23.51 | 23.54 | 23.53 | | |
| 1.4 | 16QAM | 1 | 3 | 23.39 | 23.52 | 23.52 | | |
| 1.4 | 16QAM | 1 | 5 | 23.46 | 23.59 | 23.47 | 24.5 | 1 |
| 1.4 | 16QAM | 3 | 0 | 23.42 | 23.48 | 23.47 | | |
| 1.4 | 16QAM | 3 | 1 | 23.50 | 23.59 | 23.56 | | |
| 1.4 | 16QAM | 3 | 3 | 23.44 | 23.48 | 23.35 | | |
| 1.4 | 16QAM | 6 | 0 | 22.81 | 22.81 | 22.47 | 23.8 | 2 |
| 1.4 | 16QAM | 1 | 0 | 22.49 | 22.54 | 22.41 | | |
| 1.4 | 16QAM | 1 | 3 | 22.49 | 22.43 | 22.38 | | |
| 1.4 | 16QAM | 1 | 5 | 22.45 | 22.50 | 22.42 | 23.5 | 2 |
| 1.4 | 16QAM | 3 | 0 | 22.47 | 22.59 | 22.47 | | |
| 1.4 | 16QAM | 3 | 1 | 22.50 | 22.60 | 22.47 | | |
| 1.4 | 16QAM | 3 | 3 | 22.59 | 22.62 | 22.55 | | |
| 1.4 | 64QAM | 6 | 0 | 21.56 | 21.62 | 21.59 | 22.5 | 3 |
| 1.4 | 256QAM | 1 | 0 | 19.89 | 19.89 | 19.85 | 20.5 | 5 |
| 1.4 | 256QAM | 1 | 3 | 19.69 | 19.89 | 19.74 | | |
| 1.4 | 256QAM | 1 | 5 | 19.81 | 20.03 | 19.86 | | |
| 1.4 | 256QAM | 3 | 0 | 19.59 | 19.46 | 19.46 | 20.5 | 5 |
| 1.4 | 256QAM | 3 | 1 | 19.70 | 19.73 | 19.57 | | |
| 1.4 | 256QAM | 3 | 3 | 19.56 | 19.88 | 19.56 | | |
| 1.4 | 256QAM | 6 | 0 | 19.79 | 19.76 | 19.70 | 20.5 | 5 |



| Band 17 Other PA Ant0 | | | | | | | | | | |
|-----------------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|--------------------|----------|-----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power High Ch. / Freq. | Power Mid Ch. / Freq. | Turn-up limit (dB) | MFR (dB) | | |
| Channel | | | | 709 | 710 | 711 | | | | |
| 10 | QPSK | 1 | 0 | 24.43 | 24.51 | 24.46 | | | | |
| 10 | QPSK | 1 | 25 | 24.31 | 24.40 | 24.36 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.38 | 24.47 | 24.33 | | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.66 | 23.67 | | | | |
| 10 | QPSK | 25 | 12 | 23.62 | 23.69 | 23.66 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.46 | 23.34 | | | | |
| 10 | QPSK | 50 | 0 | 23.48 | 23.50 | 23.49 | | | | |
| 10 | 16QAM | 1 | 0 | 23.46 | 23.50 | 23.47 | | | | |
| 10 | 16QAM | 1 | 25 | 23.29 | 23.42 | 23.32 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 23.21 | 23.34 | 23.26 | | | | |
| 10 | 16QAM | 25 | 0 | 22.98 | 22.73 | 22.82 | | | | |
| 10 | 16QAM | 25 | 12 | 22.89 | 22.72 | 22.58 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 22.69 | 22.73 | 22.62 | | | | |
| 10 | 16QAM | 50 | 0 | 22.67 | 22.79 | 22.73 | | | | |
| 10 | 64QAM | 1 | 0 | 22.43 | 22.50 | 22.41 | | | | |
| 10 | 64QAM | 1 | 25 | 22.50 | 22.54 | 22.48 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 22.36 | 22.35 | 22.31 | | | | |
| 10 | 64QAM | 25 | 0 | 21.59 | 21.66 | 21.59 | | | | |
| 10 | 64QAM | 25 | 12 | 21.68 | 21.77 | 21.66 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 21.50 | 21.56 | 21.49 | | | | |
| 10 | 64QAM | 50 | 0 | 21.59 | 21.66 | 21.62 | | | | |
| 10 | 256QAM | 1 | 0 | 19.82 | 19.90 | 19.81 | | | | |
| 10 | 256QAM | 1 | 25 | 19.83 | 19.85 | 19.78 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 19.59 | 19.70 | 19.66 | | | | |
| 10 | 256QAM | 25 | 0 | 19.47 | 19.58 | 19.45 | | | | |
| 10 | 256QAM | 25 | 12 | 19.52 | 19.60 | 19.56 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 19.50 | 19.54 | 19.43 | | | | |
| 10 | 256QAM | 50 | 0 | 19.50 | 19.67 | 19.58 | | | | |
| Channel | | | | 23705 | 23706 | 23705 | | | | |
| Frequency (MHz) | | | | 709.5 | 710 | 711.5 | Turn-up limit (dB) | MFR (dB) | APPR (dB) | |
| 5 | QPSK | 1 | 0 | 24.39 | 24.45 | 24.43 | | | | |
| 5 | QPSK | 1 | 12 | 24.24 | 24.30 | 24.25 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 24.35 | 24.35 | 24.22 | | | | |
| 5 | QPSK | 12 | 0 | 23.59 | 23.81 | 23.49 | | | | |
| 5 | QPSK | 12 | 7 | 23.40 | 23.47 | 23.39 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 23.28 | 23.42 | 23.25 | | | | |
| 5 | QPSK | 25 | 0 | 23.44 | 23.55 | 23.39 | | | | |
| 5 | 16QAM | 1 | 0 | 23.32 | 23.45 | 23.31 | | | | |
| 5 | 16QAM | 1 | 12 | 23.20 | 23.32 | 23.26 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 23.07 | 23.29 | 23.22 | | | | |
| 5 | 16QAM | 12 | 0 | 22.94 | 22.61 | 22.51 | | | | |
| 5 | 16QAM | 12 | 7 | 22.66 | 22.59 | 22.54 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 22.58 | 22.79 | 22.61 | | | | |
| 5 | 16QAM | 25 | 0 | 22.97 | 22.67 | 22.63 | | | | |
| 5 | 64QAM | 1 | 0 | 22.38 | 22.37 | 22.37 | | | | |
| 5 | 64QAM | 1 | 12 | 22.41 | 23.46 | 22.37 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 22.22 | 22.27 | 22.15 | | | | |
| 5 | 64QAM | 12 | 0 | 21.44 | 21.58 | 21.53 | | | | |
| 5 | 64QAM | 12 | 7 | 21.50 | 21.70 | 21.54 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 21.37 | 21.51 | 21.35 | | | | |
| 5 | 64QAM | 25 | 0 | 21.44 | 21.57 | 21.49 | | | | |
| 5 | 256QAM | 1 | 0 | 19.76 | 19.79 | 19.69 | | | | |
| 5 | 256QAM | 1 | 12 | 19.72 | 19.75 | 19.66 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 19.48 | 19.59 | 19.53 | | | | |
| 5 | 256QAM | 12 | 0 | 19.37 | 19.48 | 19.33 | | | | |
| 5 | 256QAM | 12 | 7 | 19.39 | 19.47 | 19.43 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 19.44 | 19.48 | 19.53 | | | | |
| 5 | 256QAM | 25 | 0 | 19.56 | 19.63 | 19.52 | | | | |



| Band 12 Other PA Ant1 | | | | | | | | | | |
|-----------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Time-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| | | | | 704 | 707.5 | 711 | | | | |
| 10 | QPSK | 1 | 0 | 23.69 | 23.74 | 23.67 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.69 | 23.66 | 23.67 | | | | |
| 10 | QPSK | 1 | 49 | 23.67 | 23.61 | 23.62 | | | | |
| 10 | QPSK | 25 | 0 | 22.66 | 22.76 | 22.67 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.66 | 22.70 | 22.69 | | | | |
| 10 | QPSK | 25 | 25 | 22.65 | 22.65 | 22.60 | | | | |
| 10 | QPSK | 50 | 0 | 22.59 | 22.72 | 22.67 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.58 | 22.67 | 22.56 | | | | |
| 10 | 16QAM | 1 | 25 | 22.53 | 22.61 | 22.58 | | | | |
| 10 | 16QAM | 1 | 49 | 22.54 | 22.57 | 22.51 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 0 | 21.73 | 21.81 | 21.71 | | | | |
| 10 | 16QAM | 25 | 12 | 21.70 | 21.73 | 21.65 | | | | |
| 10 | 16QAM | 25 | 25 | 21.63 | 21.77 | 21.66 | 22.5 | 3 | | |
| 10 | 16QAM | 50 | 0 | 21.68 | 21.71 | 21.67 | | | | |
| 10 | 64QAM | 1 | 0 | 21.65 | 21.79 | 21.71 | | | | |
| 10 | 64QAM | 1 | 25 | 21.59 | 21.72 | 21.69 | 22.5 | 3 | | |
| 10 | 64QAM | 1 | 49 | 21.65 | 21.69 | 21.64 | | | | |
| 10 | 64QAM | 25 | 0 | 20.90 | 20.95 | 20.88 | | | | |
| 10 | 64QAM | 25 | 12 | 20.87 | 20.89 | 20.76 | 20.5 | 5 | | |
| 10 | 64QAM | 25 | 25 | 20.81 | 20.81 | 20.84 | | | | |
| 10 | 64QAM | 50 | 0 | 20.68 | 20.83 | 20.72 | | | | |
| 10 | 256QAM | 1 | 0 | 18.85 | 18.96 | 18.82 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.83 | 18.93 | 18.88 | | | | |
| 10 | 256QAM | 1 | 49 | 18.85 | 18.88 | 18.74 | | | | |
| 10 | 256QAM | 25 | 0 | 18.73 | 18.87 | 18.84 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.68 | 18.77 | 18.72 | | | | |
| 10 | 256QAM | 25 | 25 | 18.74 | 18.83 | 18.69 | | | | |
| 10 | 256QAM | 50 | 0 | 18.65 | 18.91 | 18.82 | | | | |
| Channel | | | | | | | | | | |
| | | | | 701.5 | 707.5 | 713.5 | | | | |
| 5 | QPSK | 1 | 0 | 23.62 | 23.67 | 23.68 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.67 | 23.68 | 23.68 | | | | |
| 5 | QPSK | 1 | 24 | 23.67 | 23.56 | 23.62 | | | | |
| 5 | QPSK | 12 | 0 | 22.55 | 22.67 | 22.64 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.51 | 22.64 | 22.60 | | | | |
| 5 | QPSK | 12 | 13 | 22.51 | 22.52 | 22.52 | | | | |
| 5 | QPSK | 25 | 0 | 22.55 | 22.67 | 22.61 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.57 | 22.58 | 22.48 | | | | |
| 5 | 16QAM | 1 | 12 | 22.51 | 22.55 | 22.59 | | | | |
| 5 | 16QAM | 1 | 24 | 22.59 | 22.54 | 22.59 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 0 | 21.85 | 21.74 | 21.83 | | | | |
| 5 | 16QAM | 12 | 7 | 21.81 | 21.83 | 21.59 | | | | |
| 5 | 16QAM | 12 | 13 | 21.63 | 21.66 | 21.59 | 23.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.53 | 21.98 | 21.51 | | | | |
| 5 | 64QAM | 1 | 0 | 21.54 | 21.71 | 21.58 | | | | |
| 5 | 64QAM | 1 | 12 | 21.55 | 21.64 | 21.64 | 22.5 | 3 | | |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.58 | | | | |
| 5 | 64QAM | 12 | 0 | 20.77 | 20.90 | 20.83 | | | | |
| 5 | 64QAM | 12 | 7 | 20.69 | 20.79 | 20.65 | 20.5 | 5 | | |
| 5 | 64QAM | 12 | 13 | 20.67 | 20.85 | 20.72 | | | | |
| 5 | 64QAM | 25 | 0 | 20.58 | 20.80 | 20.60 | | | | |
| 5 | 256QAM | 1 | 0 | 18.71 | 18.96 | 18.73 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.74 | 18.82 | 18.81 | | | | |
| 5 | 256QAM | 1 | 24 | 18.73 | 18.77 | 18.65 | | | | |
| 5 | 256QAM | 12 | 0 | 18.64 | 18.78 | 18.72 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.59 | 18.67 | 18.63 | | | | |
| 5 | 256QAM | 12 | 13 | 18.62 | 18.74 | 18.55 | | | | |
| 5 | 256QAM | 25 | 0 | 18.73 | 18.92 | 18.71 | | | | |
| Channel | | | | | | | | | | |
| | | | | 2305 | 2309 | 2316 | | | | |
| Channel | | | | | | | | | | |
| | | | | 701.5 | 707.5 | 714.5 | | | | |
| 3 | QPSK | 1 | 0 | 23.64 | 23.63 | 23.66 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.57 | 23.56 | 23.58 | | | | |
| 3 | QPSK | 1 | 14 | 23.53 | 23.57 | 23.59 | | | | |
| 3 | QPSK | 8 | 0 | 22.52 | 22.66 | 22.52 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.58 | 22.57 | 22.51 | | | | |
| 3 | QPSK | 8 | 7 | 22.56 | 22.54 | 22.58 | | | | |
| 3 | QPSK | 15 | 0 | 22.60 | 22.58 | 22.61 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.59 | 22.54 | 22.59 | | | | |
| 3 | 16QAM | 1 | 8 | 22.58 | 22.51 | 22.80 | | | | |
| 3 | 16QAM | 1 | 14 | 22.63 | 22.59 | 22.61 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 0 | 21.59 | 21.75 | 21.65 | | | | |
| 3 | 16QAM | 8 | 4 | 21.58 | 21.87 | 21.81 | | | | |
| 3 | 16QAM | 8 | 7 | 21.56 | 21.72 | 21.65 | 22.5 | 3 | | |
| 3 | 16QAM | 15 | 0 | 21.55 | 21.63 | 21.54 | | | | |
| 3 | 64QAM | 1 | 0 | 21.60 | 21.72 | 21.63 | | | | |
| 3 | 64QAM | 1 | 8 | 21.56 | 21.64 | 21.60 | 22.5 | 3 | | |
| 3 | 64QAM | 1 | 14 | 21.59 | 21.64 | 21.57 | | | | |
| 3 | 64QAM | 8 | 0 | 20.79 | 20.89 | 20.79 | | | | |
| 3 | 64QAM | 8 | 4 | 20.77 | 20.71 | 20.72 | 20.5 | 5 | | |
| 3 | 64QAM | 8 | 7 | 20.74 | 20.79 | 20.71 | | | | |
| 3 | 64QAM | 15 | 0 | 20.63 | 20.75 | 20.61 | | | | |
| 3 | 256QAM | 1 | 0 | 18.74 | 18.88 | 18.79 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 8 | 18.76 | 18.78 | 18.79 | | | | |
| 3 | 256QAM | 1 | 14 | 18.79 | 18.84 | 18.61 | | | | |
| 3 | 256QAM | 8 | 0 | 18.70 | 18.82 | 18.71 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 4 | 18.58 | 18.71 | 18.61 | | | | |
| 3 | 256QAM | 8 | 7 | 18.62 | 18.79 | 18.63 | | | | |
| 3 | 256QAM | 15 | 0 | 18.73 | 18.87 | 18.71 | | | | |
| Channel | | | | | | | | | | |
| | | | | 2301.7 | 2309 | 2317.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 23.64 | 23.55 | 23.58 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 23.52 | 23.51 | 23.55 | | | | |
| 1.4 | QPSK | 1 | 5 | 23.58 | 23.70 | 23.65 | | | | |
| 1.4 | QPSK | 3 | 0 | 23.55 | 23.63 | 23.59 | 24.5 | 1 | | |
| 1.4 | QPSK | 3 | 1 | 23.59 | 23.58 | 23.59 | | | | |
| 1.4 | QPSK | 3 | 3 | 23.52 | 23.52 | 23.54 | | | | |
| 1.4 | QPSK | 6 | 0 | 22.68 | 22.72 | 22.61 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 0 | 22.62 | 22.68 | 22.59 | | | | |
| 1.4 | 16QAM | 1 | 3 | 22.64 | 22.51 | 22.57 | | | | |
| 1.4 | 16QAM | 1 | 5 | 22.64 | 22.60 | 22.53 | 23.5 | 2 | | |
| 1.4 | 16QAM | 3 | 0 | 22.84 | 22.57 | 22.61 | | | | |
| 1.4 | 16QAM | 3 | 1 | 22.51 | 22.57 | 22.60 | | | | |
| 1.4 | 16QAM | 3 | 3 | 22.68 | 22.52 | 22.60 | 23.5 | 2 | | |
| 1.4 | 16QAM | 6 | 0 | 21.66 | 21.75 | 21.68 | | | | |
| 1.4 | 16QAM | 1 | 0 | 21.59 | 21.59 | 21.52 | | | | |
| 1.4 | 16QAM | 1 | 3 | 21.59 | 21.67 | 21.52 | 22.5 | 3 | | |
| 1.4 | 64QAM | 1 | 5 | 21.84 | 21.58 | 21.52 | | | | |
| 1.4 | 64QAM | 3 | 0 | 21.55 | 21.71 | 21.60 | | | | |
| 1.4 | 64QAM | 3 | 1 | 21.59 | 21.69 | 21.63 | 20.5 | 5 | | |
| 1.4 | 64QAM | 3 | 3 | 21.53 | 21.58 | 21.53 | | | | |
| 1.4 | 16QAM | 6 | 0 | 20.74 | 20.82 | 20.66 | | | | |
| 1.4 | 256QAM | 1 | 0 | 18.75 | 18.87 | 18.87 | 20.5 | 5 | | |
| 1.4 | 256QAM | 1 | 3 | 18.77 | 18.87 | 18.79 | | | | |
| 1.4 | 256QAM | 1 | 5 | 18.79 | 18.74 | 18.61 | | | | |
| 1.4 | 256QAM | 3 | 0 | 18.70 | 18.73 | 18.74 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 1 | 18.65 | 18.67 | 18.60 | | | | |
| 1.4 | 256QAM | 3 | 3 | 18.66 | 18.76 | 18.66 | | | | |
| 1.4 | 256QAM | 5 | 0 | 18.79 | 18.78 | 18.76 | | | | |



Band 17 Other PA Ant1

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power High Ch. / Freq. | Power Mid Ch. / Freq. | Turn-up limit (dB) | MFR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|--------------------|-----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 23.07 | 23.70 | 23.69 | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 23.54 | 23.69 | 23.51 | | |
| 10 | QPSK | 1 | 49 | 23.05 | 23.69 | 23.81 | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.60 | 22.58 | 24.5 | 1 |
| 10 | QPSK | 25 | 12 | 22.53 | 22.59 | 22.85 | | |
| 10 | QPSK | 25 | 25 | 22.83 | 22.58 | 22.58 | | |
| 10 | QPSK | 50 | 0 | 22.07 | 22.61 | 22.54 | 24.5 | 1 |
| 10 | 16QAM | 1 | 0 | 22.90 | 22.56 | 22.59 | | |
| 10 | 16QAM | 1 | 25 | 22.57 | 22.53 | 22.51 | | |
| 10 | 16QAM | 1 | 49 | 22.63 | 22.59 | 22.52 | 23.5 | 2 |
| 10 | 16QAM | 25 | 0 | 21.81 | 21.71 | 21.66 | | |
| 10 | 16QAM | 25 | 12 | 21.81 | 21.58 | 21.58 | | |
| 10 | 16QAM | 25 | 25 | 21.51 | 21.72 | 21.52 | 23.5 | 2 |
| 10 | 16QAM | 50 | 0 | 21.57 | 21.60 | 21.58 | | |
| 10 | 64QAM | 1 | 0 | 21.50 | 21.74 | 21.63 | | |
| 10 | 64QAM | 1 | 25 | 21.58 | 21.59 | 21.63 | 22.5 | 3 |
| 10 | 64QAM | 1 | 49 | 21.54 | 21.66 | 21.60 | | |
| 10 | 64QAM | 25 | 0 | 20.86 | 20.87 | 20.85 | | |
| 10 | 64QAM | 25 | 12 | 20.71 | 20.81 | 20.86 | 20.5 | 5 |
| 10 | 64QAM | 25 | 25 | 20.71 | 20.78 | 20.78 | | |
| 10 | 64QAM | 50 | 0 | 20.53 | 20.73 | 20.63 | | |
| 10 | 256QAM | 1 | 0 | 18.72 | 18.80 | 18.81 | 20.5 | 5 |
| 10 | 256QAM | 1 | 25 | 18.73 | 18.78 | 18.74 | | |
| 10 | 256QAM | 1 | 49 | 18.78 | 18.84 | 18.83 | | |
| 10 | 256QAM | 25 | 0 | 18.60 | 18.76 | 18.73 | 20.5 | 5 |
| 10 | 256QAM | 25 | 12 | 18.67 | 18.67 | 18.63 | | |
| 10 | 256QAM | 25 | 25 | 18.66 | 18.72 | 18.55 | | |
| 10 | 256QAM | 50 | 0 | 18.72 | 18.87 | 18.71 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 709.5 | 710 | 711.5 | Turn-up limit (dB) | APPR (dB) |
| 5 | QPSK | 1 | 0 | 23.51 | 23.65 | 23.54 | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 23.53 | 23.56 | 23.57 | | |
| 5 | QPSK | 1 | 24 | 23.54 | 23.64 | 23.56 | | |
| 5 | QPSK | 12 | 0 | 22.72 | 22.83 | 22.67 | 24.5 | 1 |
| 5 | QPSK | 12 | 7 | 22.92 | 22.74 | 22.69 | | |
| 5 | QPSK | 12 | 13 | 22.58 | 22.72 | 22.59 | | |
| 5 | QPSK | 25 | 0 | 22.68 | 22.72 | 22.64 | 24.5 | 1 |
| 5 | 16QAM | 1 | 0 | 22.67 | 22.65 | 22.59 | | |
| 5 | 16QAM | 1 | 12 | 22.55 | 22.86 | 22.57 | | |
| 5 | 16QAM | 1 | 24 | 22.51 | 22.59 | 22.58 | 23.5 | 2 |
| 5 | 16QAM | 12 | 0 | 21.75 | 21.84 | 21.73 | | |
| 5 | 16QAM | 12 | 7 | 21.72 | 21.67 | 21.81 | | |
| 5 | 16QAM | 12 | 13 | 21.61 | 21.69 | 21.66 | 23.5 | 2 |
| 5 | 16QAM | 25 | 0 | 21.58 | 21.69 | 21.56 | | |
| 5 | 64QAM | 1 | 0 | 21.59 | 21.72 | 21.67 | | |
| 5 | 64QAM | 1 | 12 | 21.54 | 21.62 | 21.60 | 22.5 | 3 |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.52 | | |
| 5 | 64QAM | 12 | 0 | 20.92 | 20.90 | 20.85 | | |
| 5 | 64QAM | 12 | 7 | 20.83 | 20.76 | 20.85 | 20.5 | 5 |
| 5 | 64QAM | 12 | 13 | 20.73 | 20.75 | 20.74 | | |
| 5 | 64QAM | 25 | 0 | 20.65 | 20.69 | 20.59 | | |
| 5 | 256QAM | 1 | 0 | 18.72 | 18.80 | 18.81 | 20.5 | 5 |
| 5 | 256QAM | 1 | 12 | 18.72 | 18.85 | 18.77 | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.81 | 18.69 | | |
| 5 | 256QAM | 12 | 0 | 18.75 | 18.72 | 18.69 | 20.5 | 5 |
| 5 | 256QAM | 12 | 7 | 18.60 | 18.70 | 18.61 | | |
| 5 | 256QAM | 12 | 13 | 18.66 | 18.73 | 18.67 | | |
| 5 | 256QAM | 25 | 0 | 18.68 | 18.93 | 18.69 | | |



DSI 0 Power for WWAN Other PA

| Band 5 Other PA Ant0 | | | | | | | | | |
|----------------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch./Freq. (2042) | Power Middle Ch./Freq. (2052) | Power High Ch./Freq. (2060) | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 829 | 838.5 | 844 | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.82 | 24.85 | 24.77 | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.74 | 24.73 | 24.69 | | | |
| 10 | QPSK | 1 | 49 | 24.68 | 24.68 | 24.61 | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.75 | 23.66 | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 23.64 | 23.65 | 23.64 | | | |
| 10 | QPSK | 25 | 25 | 23.67 | 23.58 | 23.65 | | | |
| 10 | QPSK | 50 | 0 | 23.59 | 23.72 | 23.62 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 0 | 23.73 | 23.86 | 23.73 | | | |
| 10 | 16QAM | 1 | 25 | 23.74 | 23.80 | 23.71 | | | |
| 10 | 16QAM | 1 | 49 | 23.70 | 23.76 | 23.67 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 0 | 22.79 | 22.91 | 22.78 | | | |
| 10 | 16QAM | 25 | 12 | 22.70 | 22.77 | 22.71 | | | |
| 10 | 16QAM | 25 | 25 | 22.66 | 22.71 | 22.66 | 23.5 | 2 | |
| 10 | 16QAM | 50 | 0 | 22.69 | 22.80 | 22.70 | | | |
| 10 | 64QAM | 1 | 0 | 22.74 | 22.84 | 22.71 | | | |
| 10 | 64QAM | 1 | 25 | 22.61 | 22.76 | 22.70 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.59 | 22.69 | 22.62 | | | |
| 10 | 64QAM | 25 | 0 | 21.79 | 21.89 | 21.79 | | | |
| 10 | 64QAM | 25 | 12 | 21.65 | 21.76 | 21.69 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 21.71 | 21.82 | 21.72 | | | |
| 10 | 64QAM | 50 | 0 | 21.68 | 21.81 | 21.73 | | | |
| 10 | 256QAM | 1 | 0 | 19.62 | 19.65 | 19.58 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 25 | 19.42 | 19.56 | 19.47 | | | |
| 10 | 256QAM | 1 | 49 | 19.42 | 19.52 | 19.41 | | | |
| 10 | 256QAM | 25 | 0 | 19.54 | 19.60 | 19.52 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 12 | 19.44 | 19.54 | 19.39 | | | |
| 10 | 256QAM | 25 | 25 | 19.36 | 19.47 | 19.33 | | | |
| 10 | 256QAM | 50 | 0 | 19.45 | 19.52 | 19.37 | | | |
| Channel | | | | 20425 | 20525 | 20625 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 828.5 | 838.5 | 846.5 | | | |
| 5 | QPSK | 1 | 0 | 24.73 | 24.77 | 24.64 | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.61 | 24.66 | 24.57 | | | |
| 5 | QPSK | 1 | 24 | 24.61 | 24.54 | 24.54 | | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.67 | 23.56 | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.58 | 23.64 | 23.55 | | | |
| 5 | QPSK | 12 | 13 | 23.54 | 23.43 | 23.58 | | | |
| 5 | QPSK | 25 | 0 | 23.46 | 23.58 | 23.55 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 0 | 23.64 | 23.80 | 23.67 | | | |
| 5 | 16QAM | 1 | 12 | 23.62 | 23.73 | 23.60 | | | |
| 5 | 16QAM | 1 | 24 | 23.62 | 23.63 | 23.58 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 0 | 22.67 | 22.82 | 22.65 | | | |
| 5 | 16QAM | 12 | 7 | 22.63 | 22.63 | 22.60 | | | |
| 5 | 16QAM | 12 | 13 | 22.54 | 22.82 | 22.57 | 23.5 | 2 | |
| 5 | 16QAM | 25 | 0 | 22.63 | 22.69 | 22.60 | | | |
| 5 | 64QAM | 1 | 0 | 22.68 | 22.74 | 22.63 | | | |
| 5 | 64QAM | 1 | 12 | 22.51 | 22.64 | 22.58 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 22.47 | 22.59 | 22.50 | | | |
| 5 | 64QAM | 12 | 0 | 21.67 | 21.77 | 21.71 | | | |
| 5 | 64QAM | 12 | 7 | 21.58 | 21.62 | 21.60 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.86 | 21.88 | 21.81 | | | |
| 5 | 64QAM | 25 | 0 | 21.60 | 21.75 | 21.61 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.56 | 19.44 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.49 | 19.38 | | | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.44 | 19.29 | | | |
| 5 | 256QAM | 12 | 0 | 19.46 | 19.45 | 19.41 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.33 | 19.45 | 19.33 | | | |
| 5 | 256QAM | 12 | 13 | 19.27 | 19.40 | 19.20 | | | |
| 5 | 256QAM | 25 | 0 | 19.32 | 19.41 | 19.28 | | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 825.5 | 838.5 | 847.5 | | | |
| 3 | QPSK | 1 | 0 | 24.77 | 24.77 | 24.65 | 25.5 | 0 | |
| 3 | QPSK | 1 | 8 | 24.65 | 24.63 | 24.55 | | | |
| 3 | QPSK | 1 | 14 | 24.54 | 24.54 | 24.52 | | | |
| 3 | QPSK | 8 | 0 | 23.50 | 23.68 | 23.55 | 24.5 | 1 | |
| 3 | QPSK | 8 | 4 | 23.50 | 23.60 | 23.59 | | | |
| 3 | QPSK | 8 | 7 | 23.56 | 23.52 | 23.52 | | | |
| 3 | QPSK | 15 | 0 | 23.51 | 23.57 | 23.48 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 0 | 23.66 | 23.81 | 23.59 | | | |
| 3 | 16QAM | 1 | 8 | 23.60 | 23.67 | 23.60 | | | |
| 3 | 16QAM | 1 | 14 | 23.62 | 23.62 | 23.60 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 0 | 22.71 | 22.85 | 22.72 | | | |
| 3 | 16QAM | 8 | 4 | 22.56 | 22.70 | 22.65 | | | |
| 3 | 16QAM | 8 | 7 | 22.55 | 22.57 | 22.53 | 23.5 | 2 | |
| 3 | 16QAM | 15 | 0 | 22.58 | 22.67 | 22.65 | | | |
| 3 | 64QAM | 1 | 0 | 22.60 | 22.78 | 22.61 | | | |
| 3 | 64QAM | 1 | 8 | 22.52 | 22.70 | 22.59 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 22.45 | 22.63 | 22.50 | | | |
| 3 | 64QAM | 8 | 0 | 21.68 | 21.80 | 21.67 | | | |
| 3 | 64QAM | 8 | 4 | 21.51 | 21.64 | 21.57 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.57 | 21.68 | 21.61 | | | |
| 3 | 64QAM | 15 | 0 | 21.60 | 21.70 | 21.65 | | | |
| 3 | 256QAM | 1 | 0 | 19.42 | 19.50 | 19.52 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 8 | 19.32 | 19.44 | 19.33 | | | |
| 3 | 256QAM | 1 | 14 | 19.35 | 19.45 | 19.36 | | | |
| 3 | 256QAM | 8 | 0 | 19.47 | 19.51 | 19.44 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 4 | 19.39 | 19.47 | 19.33 | | | |
| 3 | 256QAM | 8 | 7 | 19.27 | 19.38 | 19.23 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.41 | 19.24 | | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 824.7 | 838.5 | 848.3 | | | |
| 1.4 | QPSK | 1 | 0 | 24.74 | 24.78 | 24.64 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 24.63 | 24.67 | 24.54 | | | |
| 1.4 | QPSK | 1 | 5 | 24.61 | 24.55 | 24.50 | | | |
| 1.4 | QPSK | 3 | 0 | 23.56 | 23.68 | 23.59 | 24.5 | 1 | |
| 1.4 | QPSK | 3 | 1 | 23.51 | 23.57 | 23.52 | | | |
| 1.4 | QPSK | 3 | 3 | 23.55 | 23.51 | 23.59 | | | |
| 1.4 | QPSK | 6 | 0 | 23.46 | 23.62 | 23.49 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 0 | 23.61 | 23.79 | 23.58 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.66 | 23.69 | 23.62 | | | |
| 1.4 | 16QAM | 1 | 5 | 23.60 | 23.65 | 23.56 | 24.5 | 1 | |
| 1.4 | 16QAM | 3 | 0 | 23.59 | 23.75 | 23.64 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.64 | 23.67 | 23.63 | | | |
| 1.4 | 16QAM | 3 | 3 | 23.55 | 23.63 | 23.52 | 23.5 | 2 | |
| 1.4 | 16QAM | 6 | 0 | 22.74 | 22.81 | 22.69 | | | |
| 1.4 | 64QAM | 1 | 0 | 22.63 | 22.69 | 22.66 | | | |
| 1.4 | 64QAM | 1 | 3 | 22.57 | 22.58 | 22.53 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 5 | 22.56 | 22.71 | 22.56 | | | |
| 1.4 | 64QAM | 3 | 0 | 22.64 | 22.77 | 22.63 | | | |
| 1.4 | 64QAM | 3 | 1 | 22.49 | 22.66 | 22.59 | 22.5 | 3 | |
| 1.4 | 64QAM | 3 | 3 | 22.49 | 22.61 | 22.48 | | | |
| 1.4 | 64QAM | 6 | 0 | 21.70 | 21.76 | 21.64 | | | |
| 1.4 | 256QAM | 1 | 0 | 19.47 | 19.55 | 19.51 | 20.5 | 5 | |
| 1.4 | 256QAM | 1 | 3 | 19.34 | 19.42 | 19.38 | | | |
| 1.4 | 256QAM | 1 | 5 | 19.30 | 19.42 | 19.30 | | | |
| 1.4 | 256QAM | 3 | 0 | 19.40 | 19.49 | 19.38 | 20.5 | 5 | |
| 1.4 | 256QAM | 3 | 1 | 19.32 | 19.41 | 19.27 | | | |
| 1.4 | 256QAM | 3 | 3 | 19.22 | 19.32 | 19.19 | | | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.32 | | | |



| Band 4 Other PA Ant1 DS10 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|---------------------|----------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Max Ch / Freq | Power Min Ch / Freq | Power High Ch / Freq | Time-up (min) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 16.01 | 15.98 | 15.99 | | | | |
| 20 | QPSK | 1 | 49 | 15.87 | 15.87 | 15.82 | 17 | 0 | | |
| 20 | QPSK | 1 | 99 | 15.87 | 15.87 | 15.82 | | | | |
| 20 | QPSK | 50 | 0 | 15.94 | 15.91 | 15.84 | | | | |
| 20 | QPSK | 50 | 24 | 15.87 | 15.86 | 15.85 | | | | |
| 20 | QPSK | 50 | 50 | 15.86 | 15.81 | 15.89 | | | | |
| 20 | QPSK | 100 | 0 | 15.89 | 15.96 | 15.92 | | | | |
| 20 | HQAM | 1 | 0 | 15.84 | 15.74 | 15.79 | | | | |
| 20 | HQAM | 1 | 49 | 15.81 | 15.71 | 15.84 | 17 | 0 | | |
| 20 | HQAM | 1 | 99 | 15.85 | 15.87 | 15.83 | | | | |
| 20 | HQAM | 50 | 0 | 15.77 | 15.81 | 15.87 | | | | |
| 20 | HQAM | 50 | 24 | 15.89 | 15.87 | 15.87 | | | | |
| 20 | HQAM | 50 | 50 | 15.91 | 15.78 | 15.80 | | | | |
| 20 | HQAM | 100 | 0 | 15.86 | 15.87 | 15.80 | | | | |
| 20 | HQAM | 1 | 0 | 15.86 | 15.86 | 15.86 | | | | |
| 20 | HQAM | 1 | 49 | 15.78 | 15.89 | 15.99 | 17 | 0 | | |
| 20 | HQAM | 1 | 99 | 15.86 | 15.82 | 15.78 | | | | |
| 20 | HQAM | 50 | 0 | 15.75 | 15.84 | 15.89 | | | | |
| 20 | HQAM | 50 | 24 | 15.89 | 15.84 | 15.85 | | | | |
| 20 | HQAM | 50 | 50 | 15.75 | 15.88 | 15.85 | 17 | 0 | | |
| 20 | HQAM | 100 | 0 | 15.85 | 15.72 | 15.89 | | | | |
| 20 | HQAM | 1 | 0 | 15.75 | 15.77 | 15.74 | | | | |
| 20 | HQAM | 1 | 49 | 15.89 | 15.75 | 15.73 | 17 | 0 | | |
| 20 | HQAM | 1 | 99 | 15.80 | 15.86 | 15.85 | | | | |
| 20 | HQAM | 50 | 0 | 15.82 | 15.85 | 15.80 | | | | |
| 20 | HQAM | 50 | 24 | 15.79 | 15.75 | 15.88 | | | | |
| 20 | HQAM | 50 | 50 | 15.70 | 15.87 | 15.87 | 17 | 0 | | |
| 20 | HQAM | 100 | 0 | 15.84 | 15.84 | 15.86 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 15.83 | 15.89 | 15.86 | | | | |
| 15 | QPSK | 1 | 49 | 15.84 | 15.86 | 15.81 | 17 | 0 | | |
| 15 | QPSK | 1 | 99 | 15.74 | 15.88 | 15.85 | | | | |
| 15 | QPSK | 36 | 0 | 15.81 | 15.89 | 15.78 | | | | |
| 15 | QPSK | 36 | 24 | 15.72 | 15.82 | 15.47 | | | | |
| 15 | QPSK | 36 | 36 | 15.47 | 15.84 | 15.53 | 17 | 0 | | |
| 15 | HQAM | 1 | 0 | 15.86 | 15.87 | 15.86 | | | | |
| 15 | HQAM | 1 | 37 | 15.81 | 15.83 | 15.45 | 17 | 0 | | |
| 15 | HQAM | 1 | 74 | 15.75 | 15.75 | 15.74 | | | | |
| 15 | HQAM | 36 | 0 | 15.74 | 15.75 | 15.58 | | | | |
| 15 | HQAM | 36 | 20 | 15.50 | 15.79 | 15.77 | 17 | 0 | | |
| 15 | HQAM | 36 | 36 | 15.70 | 15.84 | 15.80 | | | | |
| 15 | HQAM | 75 | 0 | 15.73 | 15.78 | 15.83 | | | | |
| 15 | HQAM | 1 | 0 | 15.80 | 15.73 | 15.86 | | | | |
| 15 | HQAM | 1 | 49 | 15.86 | 15.85 | 15.81 | 17 | 0 | | |
| 15 | HQAM | 1 | 99 | 15.80 | 15.83 | 15.68 | | | | |
| 15 | HQAM | 36 | 0 | 15.80 | 15.47 | 15.74 | | | | |
| 15 | HQAM | 36 | 20 | 15.70 | 15.84 | 15.84 | | | | |
| 15 | HQAM | 36 | 36 | 15.83 | 15.85 | 15.70 | 17 | 0 | | |
| 15 | HQAM | 75 | 0 | 15.86 | 15.81 | 15.84 | | | | |
| 15 | HQAM | 1 | 0 | 15.83 | 15.84 | 15.74 | | | | |
| 15 | HQAM | 1 | 37 | 15.48 | 15.71 | 15.79 | 17 | 0 | | |
| 15 | HQAM | 1 | 74 | 15.46 | 15.78 | 15.52 | | | | |
| 15 | HQAM | 36 | 0 | 15.82 | 15.84 | 15.81 | | | | |
| 15 | HQAM | 36 | 20 | 15.56 | 15.57 | 15.56 | | | | |
| 15 | HQAM | 36 | 36 | 15.65 | 15.74 | 15.83 | 17 | 0 | | |
| 15 | HQAM | 75 | 0 | 15.74 | 15.88 | 15.88 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 15.81 | 15.87 | 15.87 | | | | |
| 20 | QPSK | 1 | 25 | 15.82 | 15.88 | 15.84 | 17 | 0 | | |
| 20 | QPSK | 1 | 49 | 15.70 | 15.80 | 15.84 | | | | |
| 20 | QPSK | 1 | 74 | 15.86 | 15.87 | 15.78 | | | | |
| 20 | QPSK | 25 | 12 | 15.87 | 15.52 | 15.48 | | | | |
| 20 | QPSK | 25 | 25 | 15.54 | 15.85 | 15.42 | 17 | 0 | | |
| 20 | HQAM | 1 | 0 | 15.80 | 15.76 | 15.87 | | | | |
| 20 | HQAM | 1 | 1 | 15.81 | 15.86 | 15.52 | 17 | 0 | | |
| 20 | HQAM | 1 | 25 | 15.80 | 15.87 | 15.48 | | | | |
| 20 | HQAM | 1 | 49 | 15.84 | 15.83 | 15.78 | | | | |
| 20 | HQAM | 1 | 74 | 15.89 | 15.82 | 15.53 | | | | |
| 20 | HQAM | 25 | 12 | 15.86 | 15.84 | 15.83 | 17 | 0 | | |
| 20 | HQAM | 25 | 25 | 15.83 | 15.80 | 15.82 | | | | |
| 20 | HQAM | 50 | 0 | 15.85 | 15.85 | 15.73 | | | | |
| 20 | HQAM | 1 | 0 | 15.85 | 15.77 | 15.89 | | | | |
| 20 | HQAM | 1 | 25 | 15.86 | 15.71 | 15.47 | 17 | 0 | | |
| 20 | HQAM | 1 | 49 | 15.79 | 15.58 | 15.58 | | | | |
| 20 | HQAM | 25 | 0 | 15.81 | 15.41 | 15.75 | | | | |
| 20 | HQAM | 25 | 25 | 15.75 | 15.71 | 15.47 | | | | |
| 20 | HQAM | 50 | 0 | 15.84 | 15.88 | 15.84 | | | | |
| 20 | HQAM | 50 | 24 | 15.84 | 15.88 | 15.84 | | | | |
| 20 | HQAM | 50 | 50 | 15.82 | 15.80 | 15.84 | 17 | 0 | | |
| 20 | HQAM | 100 | 0 | 15.76 | 15.88 | 15.88 | | | | |
| 20 | HQAM | 1 | 0 | 15.83 | 15.84 | 15.84 | | | | |
| 20 | HQAM | 1 | 49 | 15.89 | 15.84 | 15.86 | 17 | 0 | | |
| 20 | HQAM | 1 | 99 | 15.89 | 15.84 | 15.86 | | | | |
| 20 | HQAM | 50 | 0 | 15.82 | 15.84 | 15.84 | | | | |
| 20 | HQAM | 50 | 24 | 15.82 | 15.84 | 15.84 | | | | |
| 20 | HQAM | 50 | 50 | 15.81 | 15.84 | 15.81 | 17 | 0 | | |
| 20 | HQAM | 100 | 0 | 15.89 | 15.80 | 15.89 | | | | |
| 20 | HQAM | 1 | 0 | 15.83 | 15.84 | 15.84 | | | | |
| 20 | HQAM | 1 | 49 | 15.89 | 15.84 | 15.86 | 17 | 0 | | |
| 20 | HQAM | 1 | 99 | 15.89 | 15.84 | 15.86 | | | | |
| 20 | HQAM | 50 | 0 | 15.82 | 15.83 | 15.71 | | | | |
| 20 | HQAM | 50 | 24 | 15.70 | 15.70 | 15.87 | 17 | 0 | | |
| 20 | HQAM | 50 | 50 | 15.74 | 15.80 | 15.84 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 19 | QPSK | 1 | 0 | 15.83 | 15.89 | 15.86 | | | | |
| 19 | QPSK | 1 | 14 | 15.84 | 15.80 | 15.72 | 17 | 0 | | |
| 19 | QPSK | 1 | 28 | 15.85 | 15.89 | 15.84 | | | | |
| 19 | QPSK | 1 | 42 | 15.84 | 15.81 | 15.80 | | | | |
| 19 | QPSK | 7 | 0 | 15.78 | 15.70 | 15.74 | | | | |
| 19 | QPSK | 7 | 7 | 15.85 | 15.80 | 15.84 | | | | |
| 19 | HQAM | 1 | 0 | 15.70 | 15.88 | 15.89 | | | | |
| 19 | HQAM | 1 | 8 | 15.74 | 15.82 | 15.59 | 17 | 0 | | |
| 19 | HQAM | 1 | 14 | 15.83 | 15.49 | 15.77 | | | | |
| 19 | HQAM | 7 | 0 | 15.70 | 15.73 | 15.49 | | | | |
| 19 | HQAM | 7 | 4 | 15.88 | 15.83 | 15.86 | 17 | 0 | | |
| 19 | HQAM | 15 | 0 | 15.87 | 15.76 | 15.83 | | | | |
| 19 | HQAM | 1 | 0 | 15.81 | 15.86 | 15.82 | | | | |
| 19 | HQAM | 1 | 8 | 15.73 | 15.74 | 15.88 | 17 | 0 | | |
| 19 | HQAM | 1 | 14 | 15.82 | 15.47 | 15.71 | | | | |
| 19 | HQAM | 7 | 0 | 15.74 | 15.89 | 15.87 | | | | |
| 19 | HQAM | 7 | 7 | 15.89 | 15.93 | 15.69 | 17 | 0 | | |
| 19 | HQAM | 15 | 0 | 15.87 | 15.81 | 15.80 | | | | |
| 19 | HQAM | 1 | 0 | 15.82 | 15.81 | 15.80 | | | | |
| 19 | HQAM | 1 | 8 | 15.87 | 15.82 | 15.78 | | | | |
| 19 | HQAM | 1 | 14 | 15.85 | 15.86 | 15.47 | | | | |
| 19 | HQAM | 7 | 0 | 15.82 | 15.81 | 15.80 | | | | |
| 19 | HQAM | 7 | 7 | 15.89 | 15.83 | 15.89 | 17 | 0 | | |
| 19 | HQAM | 15 | 0 | 15.82 | 15.81 | 15.80 | | | | |
| 19 | HQAM | 1 | 0 | 15.82 | 15.81 | 15.80 | | | | |
| 19 | HQAM | 1 | 8 | 15.82 | 15.81 | 15.80 | | | | |
| 19 | HQAM | 1 | 14 | 15.82 | 15.81 | 15.80 | | | | |
| 19 | HQAM | 7 | 0 | 15.82 | 15.81 | 15.80 | | | | |
| 19 | HQAM | 7 | 7 | 15.82 | 15.81 | 15.80 | 17 | 0 | | |
| 19 | HQAM | 15 | 0 | 15.73 | 15.87 | 15.80 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 14 | QPSK | 1 | 0 | 15.70 | 15.86 | 15.83 | | | | |
| 14 | QPSK | 1 | 3 | 15.87 | 15.72 | 15.48 | | | | |
| 14 | QPSK | 1 | 6 | 15.89 | 15.39 | 15.70 | 17 | 0 | | |
| 14 | QPSK | 1 | 9 | 15.79 | 15.80 | 15.87 | | | | |
| 14 | QPSK | 3 | 1 | 15.55 | 15.71 | 15.85 | | | | |
| 14 | QPSK | 3 | 3 | 15.76 | 15.85 | 15.77 | 17 | 0 | | |
| 14 | HQAM | 1 | 0 | 15.74 | 15.89 | 15.81 | | | | |
| 14 | HQAM | 1 | 3 | 15.72 | 15.82 | 15.78 | | | | |
| 14 | HQAM | 3 | 0 | 15.82 | 15.49 | | | | | |



| Band 4 Other PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|--------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Tune-up (dB) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.68 | 23.85 | 23.77 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.67 | 23.73 | 23.81 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 23.65 | 23.76 | 23.66 | 24.5 | 0 | | |
| 20 | QPSK | 50 | 0 | 22.69 | 22.82 | 22.70 | 23.5 | 1 | | |
| 20 | QPSK | 50 | 24 | 22.67 | 22.81 | 22.66 | 23.5 | 1 | | |
| 20 | QPSK | 50 | 50 | 22.71 | 22.79 | 22.74 | 23.5 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.64 | 22.76 | 22.68 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 0 | 22.69 | 22.75 | 22.67 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 49 | 22.54 | 22.69 | 22.62 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.57 | 22.65 | 22.58 | 23.5 | 1 | | |
| 20 | 16QAM | 50 | 0 | 21.64 | 21.71 | 21.59 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 24 | 21.43 | 21.57 | 21.49 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 55 | 21.37 | 21.51 | 21.46 | 22.5 | 2 | | |
| 20 | 16QAM | 100 | 0 | 21.55 | 21.64 | 21.54 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 0 | 21.55 | 21.69 | 21.58 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 49 | 21.48 | 21.61 | 21.49 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.48 | 21.54 | 21.42 | 22.5 | 2 | | |
| 20 | 64QAM | 50 | 0 | 20.52 | 20.62 | 20.50 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 24 | 20.38 | 20.49 | 20.36 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 50 | 20.45 | 20.55 | 20.40 | 21.5 | 3 | | |
| 20 | 64QAM | 100 | 0 | 20.52 | 20.58 | 20.51 | 21.5 | 3 | | |
| 20 | 256QAM | 1 | 0 | 18.48 | 18.58 | 18.50 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 49 | 18.43 | 18.49 | 18.40 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.37 | 18.45 | 18.39 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 0 | 18.43 | 18.50 | 18.43 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 24 | 18.36 | 18.44 | 18.36 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.28 | 18.37 | 18.28 | 19.5 | 5 | | |
| 20 | 256QAM | 100 | 0 | 18.32 | 18.44 | 18.36 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.62 | 23.77 | 23.64 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.54 | 23.68 | 23.56 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 23.59 | 23.62 | 23.57 | 24.5 | 0 | | |
| 15 | QPSK | 36 | 8 | 22.60 | 22.70 | 22.65 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.59 | 22.73 | 22.57 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 39 | 22.62 | 22.71 | 22.67 | 23.5 | 1 | | |
| 15 | QPSK | 75 | 0 | 22.54 | 22.72 | 22.57 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.62 | 22.67 | 22.58 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.43 | 22.59 | 22.55 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.44 | 22.53 | 22.46 | 23.5 | 1 | | |
| 15 | 16QAM | 36 | 0 | 21.58 | 21.65 | 21.53 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 20 | 21.35 | 21.50 | 21.39 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.26 | 21.37 | 21.23 | 22.5 | 2 | | |
| 15 | 16QAM | 75 | 0 | 21.48 | 21.58 | 21.43 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 0 | 21.41 | 21.55 | 21.42 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 37 | 21.39 | 21.50 | 21.35 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.40 | 21.48 | 21.34 | 22.5 | 2 | | |
| 15 | 64QAM | 36 | 0 | 20.40 | 20.53 | 20.36 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.29 | 20.36 | 20.22 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 39 | 20.37 | 20.50 | 20.41 | 21.5 | 3 | | |
| 15 | 64QAM | 75 | 0 | 20.37 | 20.49 | 20.40 | 21.5 | 3 | | |
| 15 | 256QAM | 1 | 0 | 18.42 | 18.44 | 18.44 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.38 | 18.27 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.26 | 18.38 | 18.31 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 0 | 18.28 | 18.37 | 18.36 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 20 | 18.24 | 18.37 | 18.30 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.20 | 18.28 | 18.15 | 19.5 | 5 | | |
| 15 | 256QAM | 75 | 0 | 18.22 | 18.37 | 18.22 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.58 | 23.76 | 23.65 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.55 | 23.59 | 23.53 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.54 | 23.71 | 23.55 | 24.5 | 0 | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.70 | 22.65 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.55 | 22.73 | 22.61 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 22.63 | 22.72 | 22.64 | 23.5 | 1 | | |
| 10 | QPSK | 50 | 0 | 22.58 | 22.67 | 22.55 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.61 | 22.61 | 22.58 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.44 | 22.63 | 22.54 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.48 | 22.55 | 22.46 | 23.5 | 1 | | |
| 10 | 16QAM | 25 | 0 | 21.49 | 21.59 | 21.51 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.31 | 21.49 | 21.42 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 21.29 | 21.43 | 21.33 | 22.5 | 2 | | |
| 10 | 16QAM | 50 | 0 | 21.45 | 21.52 | 21.46 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 0 | 21.42 | 21.58 | 21.50 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.35 | 21.50 | 21.35 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.36 | 21.40 | 21.35 | 22.5 | 2 | | |
| 10 | 64QAM | 25 | 0 | 20.39 | 20.53 | 20.43 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 20.29 | 20.43 | 20.21 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.38 | 20.47 | 20.41 | 21.5 | 3 | | |
| 10 | 64QAM | 50 | 0 | 20.43 | 20.43 | 20.36 | 21.5 | 3 | | |
| 10 | 256QAM | 1 | 0 | 18.39 | 18.48 | 18.44 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.30 | 18.39 | 18.30 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.26 | 18.37 | 18.32 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 0 | 18.38 | 18.42 | 18.31 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.23 | 18.32 | 18.23 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.18 | 18.23 | 18.21 | 19.5 | 5 | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.31 | 18.23 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.62 | 23.78 | 23.63 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.58 | 23.66 | 23.46 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 23.55 | 23.62 | 23.52 | 24.5 | 0 | | |
| 5 | QPSK | 12 | 0 | 22.62 | 22.70 | 22.63 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.62 | 22.74 | 22.60 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 22.66 | 22.75 | 22.61 | 23.5 | 1 | | |
| 5 | QPSK | 25 | 0 | 22.53 | 22.65 | 22.53 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.63 | 22.65 | 22.58 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.47 | 22.56 | 22.60 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.59 | 22.47 | 23.5 | 1 | | |
| 5 | 16QAM | 12 | 0 | 21.49 | 21.56 | 21.48 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.29 | 21.48 | 21.39 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.24 | 21.46 | 21.37 | 22.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.43 | 21.58 | 21.41 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 0 | 21.46 | 21.58 | 21.42 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.39 | 21.50 | 21.35 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 21.35 | 21.48 | 21.31 | 22.5 | 2 | | |
| 5 | 64QAM | 12 | 0 | 20.39 | 20.49 | 20.37 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.33 | 20.42 | 20.32 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 20.37 | 20.42 | 20.39 | 21.5 | 3 | | |
| 5 | 64QAM | 25 | 0 | 20.46 | 20.47 | 20.42 | 21.5 | 3 | | |
| 5 | 256QAM | 1 | 0 | 18.38 | 18.44 | 18.36 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.34 | 18.37 | 18.33 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.26 | 18.38 | 18.31 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 0 | 18.38 | 18.40 | 18.31 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.29 | 18.29 | 18.28 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.19 | 18.23 | 18.22 | 19.5 | 5 | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.36 | 18.24 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.54 | 23.72 | 23.66 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.57 | 23.66 | 23.50 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 23.54 | 23.70 | 23.59 | 24.5 | 0 | | |
| 3 | QPSK | 8 | 0 | 22.68 | 22.66 | 22.61 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.53 | 22.72 | 22.64 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 22.65 | 22.76 | 22.64 | 23.5 | 1 | | |
| 3 | QPSK | 15 | 0 | 22.51 | 22.66 | 22.54 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.59 | 22.65 | 22.60 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.40 | 22.60 | 22.44 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 14 | 22.43 | 22.54 | 22.47 | 23.5 | 1 | | |
| 3 | 16QAM | 8 | 0 | 21.67 | 21.62 | 21.50</ | | | | |



| Band 4 Other PA Ant3 DSI0 | | | | | | | | | | Band 66 Other PA Ant3 DSI0 | | | | | | | | | |
|---------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|--|----------------------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MFR (dB) | | BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power High Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MFR (dB) | |
| Channel | | | | | | | | | | Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 19.12 | 19.20 | 19.13 | 20.5 | 0 | | 20 | QPSK | 1 | 0 | 16.64 | 16.57 | 16.61 | 18 | 0 | |
| 20 | QPSK | 1 | 48 | 18.98 | 18.92 | 18.94 | 20.5 | 0 | | 20 | QPSK | 1 | 48 | 16.52 | 16.51 | 16.51 | 18 | 0 | |
| 20 | QPSK | 1 | 96 | 18.93 | 18.92 | 18.95 | 20.5 | 0 | | 20 | QPSK | 1 | 96 | 16.47 | 16.33 | 16.38 | 18 | 0 | |
| 20 | QPSK | 50 | 0 | 19.11 | 19.16 | 19.15 | 20.5 | 0 | | 20 | QPSK | 50 | 0 | 16.48 | 16.56 | 16.55 | 18 | 0 | |
| 20 | QPSK | 50 | 24 | 18.93 | 18.93 | 18.93 | 20.5 | 0 | | 20 | QPSK | 50 | 24 | 16.49 | 16.49 | 16.41 | 18 | 0 | |
| 20 | QPSK | 50 | 50 | 18.96 | 18.96 | 18.92 | 20.5 | 0 | | 20 | QPSK | 50 | 50 | 16.42 | 16.18 | 16.37 | 18 | 0 | |
| 20 | QPSK | 100 | 0 | 19.14 | 19.16 | 19.11 | 20.5 | 0 | | 20 | QPSK | 100 | 0 | 16.27 | 16.47 | 16.26 | 18 | 0 | |
| 20 | 16QAM | 1 | 0 | 19.93 | 19.99 | 19.99 | 20.5 | 0 | | 20 | 16QAM | 1 | 0 | 16.24 | 16.17 | 16.20 | 18 | 0 | |
| 20 | 16QAM | 1 | 48 | 18.95 | 18.72 | 18.69 | 20.5 | 0 | | 20 | 16QAM | 1 | 48 | 16.28 | 16.19 | 16.12 | 18 | 0 | |
| 20 | 16QAM | 1 | 96 | 18.82 | 18.82 | 18.90 | 20.5 | 0 | | 20 | 16QAM | 1 | 96 | 16.12 | 16.11 | 16.22 | 18 | 0 | |
| 20 | 16QAM | 50 | 0 | 19.54 | 19.82 | 19.89 | 20.5 | 0 | | 20 | 16QAM | 50 | 0 | 16.09 | 16.48 | 16.30 | 18 | 0 | |
| 20 | 16QAM | 50 | 24 | 18.99 | 18.88 | 18.82 | 20.5 | 0 | | 20 | 16QAM | 50 | 24 | 16.40 | 16.34 | 16.31 | 18 | 0 | |
| 20 | 16QAM | 50 | 50 | 18.92 | 18.92 | 18.98 | 20.5 | 0 | | 20 | 16QAM | 50 | 50 | 16.17 | 16.38 | 16.26 | 18 | 0 | |
| 20 | 16QAM | 100 | 0 | 19.93 | 19.78 | 19.86 | 20.5 | 0 | | 20 | 16QAM | 100 | 0 | 16.08 | 16.40 | 16.20 | 18 | 0 | |
| 20 | 16QAM | 1 | 0 | 18.84 | 18.89 | 18.88 | 20.5 | 0 | | 20 | 16QAM | 1 | 0 | 16.29 | 16.44 | 16.22 | 18 | 0 | |
| 20 | 16QAM | 1 | 48 | 18.99 | 18.72 | 18.92 | 20.5 | 0 | | 20 | 16QAM | 1 | 48 | 16.40 | 16.30 | 16.21 | 18 | 0 | |
| 20 | 16QAM | 1 | 96 | 18.93 | 18.95 | 18.95 | 20.5 | 0 | | 20 | 16QAM | 1 | 96 | 16.31 | 16.26 | 16.27 | 18 | 0 | |
| 20 | 16QAM | 50 | 24 | 18.87 | 18.78 | 18.84 | 20.5 | 0 | | 20 | 16QAM | 50 | 24 | 16.25 | 16.17 | 16.22 | 18 | 0 | |
| 20 | 16QAM | 50 | 50 | 18.93 | 18.78 | 18.84 | 20.5 | 0 | | 20 | 16QAM | 50 | 50 | 16.15 | 16.39 | 16.22 | 18 | 0 | |
| 20 | 16QAM | 100 | 0 | 19.94 | 19.88 | 19.88 | 20.5 | 0 | | 20 | 16QAM | 100 | 0 | 16.15 | 16.39 | 16.22 | 18 | 0 | |
| 20 | 256QAM | 1 | 0 | 18.92 | 18.95 | 18.95 | 20.5 | 0 | | 20 | 256QAM | 1 | 0 | 16.30 | 16.37 | 16.37 | 18 | 0 | |
| 20 | 256QAM | 1 | 48 | 18.96 | 18.99 | 18.95 | 20.5 | 0 | | 20 | 256QAM | 1 | 48 | 16.22 | 16.30 | 16.13 | 18 | 0 | |
| 20 | 256QAM | 1 | 96 | 18.91 | 18.95 | 18.92 | 20.5 | 0 | | 20 | 256QAM | 1 | 96 | 16.23 | 16.24 | 16.31 | 18 | 0 | |
| 20 | 256QAM | 50 | 0 | 19.99 | 19.97 | 19.93 | 20.5 | 0 | | 20 | 256QAM | 50 | 0 | 16.42 | 16.42 | 16.34 | 18 | 0 | |
| 20 | 256QAM | 50 | 24 | 18.93 | 18.95 | 18.91 | 20.5 | 0 | | 20 | 256QAM | 50 | 24 | 16.31 | 16.31 | 16.27 | 18 | 0 | |
| 20 | 256QAM | 50 | 50 | 18.99 | 18.83 | 18.83 | 20.5 | 0 | | 20 | 256QAM | 50 | 50 | 16.31 | 16.13 | 16.33 | 18 | 0 | |
| 20 | 256QAM | 100 | 0 | 19.93 | 19.88 | 19.89 | 20.5 | 0 | | 20 | 256QAM | 100 | 0 | 16.23 | 16.37 | 16.20 | 18 | 0 | |
| Channel | | | | | | | | | | Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 19.10 | 19.18 | 19.06 | 20.5 | 0 | | 15 | QPSK | 1 | 0 | 16.30 | 16.52 | 16.38 | 18 | 0 | |
| 15 | QPSK | 1 | 37 | 18.84 | 18.92 | 18.92 | 20.5 | 0 | | 15 | QPSK | 1 | 37 | 16.00 | 16.17 | 16.06 | 18 | 0 | |
| 15 | QPSK | 1 | 74 | 18.92 | 18.83 | 18.91 | 20.5 | 0 | | 15 | QPSK | 1 | 74 | 16.22 | 16.31 | 16.26 | 18 | 0 | |
| 15 | QPSK | 36 | 0 | 18.94 | 18.99 | 19.10 | 20.5 | 0 | | 15 | QPSK | 36 | 0 | 16.28 | 16.49 | 16.18 | 18 | 0 | |
| 15 | QPSK | 36 | 20 | 18.74 | 18.84 | 18.81 | 20.5 | 0 | | 15 | QPSK | 36 | 20 | 16.30 | 16.39 | 16.30 | 18 | 0 | |
| 15 | QPSK | 36 | 36 | 18.79 | 18.84 | 19.02 | 20.5 | 0 | | 15 | QPSK | 36 | 36 | 16.28 | 16.12 | 16.23 | 18 | 0 | |
| 15 | QPSK | 75 | 0 | 18.97 | 18.99 | 19.09 | 20.5 | 0 | | 15 | QPSK | 75 | 0 | 16.18 | 16.30 | 16.27 | 18 | 0 | |
| 15 | 16QAM | 1 | 0 | 19.87 | 19.89 | 19.78 | 20.5 | 0 | | 15 | 16QAM | 1 | 0 | 16.17 | 16.07 | 16.16 | 18 | 0 | |
| 15 | 16QAM | 1 | 37 | 18.86 | 18.81 | 18.77 | 20.5 | 0 | | 15 | 16QAM | 1 | 37 | 16.14 | 16.13 | 16.11 | 18 | 0 | |
| 15 | 16QAM | 1 | 74 | 18.74 | 18.74 | 18.74 | 20.5 | 0 | | 15 | 16QAM | 1 | 74 | 16.32 | 16.32 | 16.30 | 18 | 0 | |
| 15 | 16QAM | 36 | 0 | 18.94 | 18.74 | 18.82 | 20.5 | 0 | | 15 | 16QAM | 36 | 0 | 16.25 | 16.35 | 16.29 | 18 | 0 | |
| 15 | 16QAM | 36 | 20 | 18.87 | 18.83 | 18.83 | 20.5 | 0 | | 15 | 16QAM | 36 | 20 | 16.38 | 16.23 | 16.29 | 18 | 0 | |
| 15 | 16QAM | 36 | 36 | 18.95 | 18.87 | 18.95 | 20.5 | 0 | | 15 | 16QAM | 36 | 36 | 16.37 | 16.27 | 16.32 | 18 | 0 | |
| 15 | 16QAM | 75 | 0 | 18.94 | 18.85 | 18.99 | 20.5 | 0 | | 15 | 16QAM | 75 | 0 | 16.14 | 16.39 | 16.17 | 18 | 0 | |
| 15 | 16QAM | 1 | 0 | 18.88 | 18.70 | 18.87 | 20.5 | 0 | | 15 | 16QAM | 1 | 0 | 16.19 | 16.39 | 16.23 | 18 | 0 | |
| 15 | 16QAM | 1 | 37 | 18.93 | 18.85 | 18.93 | 20.5 | 0 | | 15 | 16QAM | 1 | 37 | 16.17 | 16.22 | 16.21 | 18 | 0 | |
| 15 | 16QAM | 1 | 74 | 18.95 | 18.91 | 18.91 | 20.5 | 0 | | 15 | 16QAM | 1 | 74 | 16.04 | 16.11 | 16.13 | 18 | 0 | |
| 15 | 16QAM | 36 | 0 | 18.83 | 18.81 | 18.85 | 20.5 | 0 | | 15 | 16QAM | 36 | 0 | 16.25 | 16.30 | 16.19 | 18 | 0 | |
| 15 | 16QAM | 36 | 20 | 18.95 | 18.86 | 18.96 | 20.5 | 0 | | 15 | 16QAM | 36 | 20 | 16.38 | 16.31 | 16.31 | 18 | 0 | |
| 15 | 16QAM | 36 | 36 | 18.96 | 18.89 | 18.98 | 20.5 | 0 | | 15 | 16QAM | 36 | 36 | 16.02 | 16.25 | 16.08 | 18 | 0 | |
| 15 | 16QAM | 75 | 0 | 18.70 | 18.77 | 18.86 | 20.5 | 0 | | 15 | 16QAM | 75 | 0 | 16.11 | 16.27 | 16.09 | 18 | 0 | |
| 15 | 256QAM | 1 | 0 | 18.95 | 18.96 | 18.95 | 20.5 | 0 | | 15 | 256QAM | 1 | 0 | 16.43 | 16.36 | 16.22 | 18 | 0 | |
| 15 | 256QAM | 1 | 37 | 18.93 | 18.99 | 18.98 | 20.5 | 0 | | 15 | 256QAM | 1 | 37 | 16.17 | 16.16 | 16.14 | 18 | 0 | |
| 15 | 256QAM | 1 | 74 | 18.90 | 18.92 | 18.83 | 20.5 | 0 | | 15 | 256QAM | 1 | 74 | 16.08 | 16.17 | 16.24 | 18 | 0 | |
| 15 | 256QAM | 36 | 0 | 18.91 | 18.84 | 18.83 | 20.5 | 0 | | 15 | 256QAM | 36 | 0 | 16.43 | 16.44 | 16.21 | 18 | 0 | |
| 15 | 256QAM | 36 | 20 | 18.84 | 18.87 | 18.82 | 20.5 | 0 | | 15 | 256QAM | 36 | 20 | 16.21 | 16.43 | 16.18 | 18 | 0 | |
| 15 | 256QAM | 36 | 36 | 18.92 | 18.89 | 18.83 | 20.5 | 0 | | 15 | 256QAM | 36 | 36 | 16.37 | 16.05 | 16.28 | 18 | 0 | |
| 15 | 256QAM | 75 | 0 | 18.87 | 18.82 | 18.87 | 20.5 | 0 | | 15 | 256QAM | 75 | 0 | 16.10 | 16.28 | 16.21 | 18 | 0 | |
| Channel | | | | | | | | | | Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 18.98 | 19.07 | 19.00 | 20.5 | 0 | | 10 | QPSK | 1 | 0 | 16.48 | 16.44 | 16.44 | 18 | 0 | |
| 10 | QPSK | 1 | 25 | 18.83 | 19.01 | 18.78 | 20.5 | 0 | | 10 | QPSK | 1 | 25 | 16.24 | 16.19 | 16.01 | 18 | 0 | |
| 10 | QPSK | 1 | 49 | 18.82 | 18.78 | 19.01 | 20.5 | 0 | | 10 | QPSK | 1 | 49 | 16.21 | 16.31 | 16.29 | 18 | 0 | |
| 10 | QPSK | 25 | 0 | 18.97 | 18.99 | 19.09 | 20.5 | 0 | | 10 | QPSK | 25 | 0 | 16.41 | 16.41 | 16.21 | 18 | 0 | |
| 10 | QPSK | 25 | 12 | 18.91 | 19.06 | 19.09 | 20.5 | 0 | | 10 | QPSK | 25 | 12 | 16.36 | 16.33 | 16.18 | 18 | 0 | |
| 10 | QPSK | 25 | 25 | 18.84 | 18.84 | 18.87 | 20.5 | 0 | | 10 | QPSK | 25 | 25 | 16.27 | 16.15 | 16.37 | 18 | 0 | |
| 10 | QPSK | 50 | 0 | 19.13 | 19.09 | 19.09 | 20.5 | 0 | | 10 | QPSK | 50 | 0 | 16.23 | 16.40 | 16.20 | 18 | 0 | |
| 10 | 16QAM | 1 | 0 | 19.82 | 19.73 | 19.84 | 20.5 | 0 | | 10 | 16QAM | 1 | 0 | 16.33 | 16.11 | 16.06 | 18 | 0 | |
| 10 | 16QAM | 1 | 25 | 18.87 | 18.71 | 18.84 | 20.5 | 0 | | 10 | 16QAM | 1 | 25 | 16.21 | 16.11 | 16.08 | 18 | 0 | |
| 10 | 16QAM | 1 | 49 | 18.90 | 18.83 | 18.74 | 20.5 | 0 | | 10 | 16QAM | 1 | 49 | 16.08 | 16.02 | 16.06 | 18 | 0 | |
| 10 | 16QAM | 25 | 0 | 18.90 | 18.74 | 18.85 | 20.5 | 0 | | 10 | 16Q | | | | | | | | |



Band 4 Other PA Ant4

| SW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Tune-up (dBm) | MFR (dB) |
|-----------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.07 | 23.27 | 23.21 | 24.5 | 0 |
| 20 | QPSK | 1 | 49 | 22.91 | 23.15 | 23.12 | 24.5 | 0 |
| 20 | QPSK | 1 | 99 | 23.03 | 23.22 | 23.20 | 24.5 | 0 |
| 20 | QPSK | 50 | 0 | 21.98 | 22.27 | 22.14 | 23.5 | 1 |
| 20 | QPSK | 50 | 24 | 22.00 | 22.18 | 22.14 | 23.5 | 1 |
| 20 | QPSK | 50 | 50 | 22.05 | 22.23 | 22.24 | 23.5 | 1 |
| 20 | QPSK | 100 | 0 | 22.00 | 22.19 | 22.10 | 23.5 | 1 |
| 20 | 16QAM | 1 | 0 | 22.03 | 22.21 | 22.11 | 23.5 | 1 |
| 20 | 16QAM | 1 | 49 | 22.14 | 22.31 | 22.27 | 23.5 | 1 |
| 20 | 16QAM | 1 | 99 | 22.09 | 22.27 | 22.25 | 23.5 | 1 |
| 20 | 16QAM | 50 | 0 | 21.05 | 21.25 | 21.22 | 22.5 | 2 |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.26 | 21.20 | 22.5 | 2 |
| 20 | 16QAM | 50 | 50 | 21.04 | 21.21 | 21.14 | 22.5 | 2 |
| 20 | 16QAM | 100 | 0 | 20.99 | 21.23 | 21.15 | 22.5 | 2 |
| 20 | 84QAM | 1 | 0 | 20.93 | 21.13 | 21.11 | 22.5 | 2 |
| 20 | 84QAM | 1 | 49 | 21.00 | 21.24 | 21.14 | 22.5 | 2 |
| 20 | 84QAM | 1 | 99 | 21.00 | 21.23 | 21.17 | 22.5 | 2 |
| 20 | 84QAM | 50 | 0 | 20.93 | 20.22 | 20.17 | 21.5 | 3 |
| 20 | 84QAM | 50 | 24 | 20.98 | 20.25 | 20.20 | 21.5 | 3 |
| 20 | 84QAM | 50 | 50 | 20.95 | 20.23 | 20.18 | 21.5 | 3 |
| 20 | 84QAM | 100 | 0 | 20.91 | 20.20 | 20.16 | 21.5 | 3 |
| 20 | 256QAM | 1 | 0 | 17.81 | 18.02 | 17.98 | 19.5 | 5 |
| 20 | 256QAM | 1 | 49 | 17.87 | 18.11 | 18.07 | 19.5 | 5 |
| 20 | 256QAM | 1 | 99 | 17.83 | 18.04 | 17.97 | 19.5 | 5 |
| 20 | 256QAM | 50 | 0 | 18.06 | 18.26 | 18.18 | 19.5 | 5 |
| 20 | 256QAM | 50 | 24 | 17.93 | 18.16 | 18.15 | 19.5 | 5 |
| 20 | 256QAM | 50 | 50 | 17.94 | 18.17 | 18.14 | 19.5 | 5 |
| 20 | 256QAM | 100 | 0 | 18.00 | 18.19 | 18.13 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.83 | 23.12 | 23.14 | 24.5 | 0 |
| 15 | QPSK | 1 | 37 | 22.80 | 23.03 | 23.04 | 24.5 | 0 |
| 15 | QPSK | 1 | 74 | 22.90 | 23.11 | 23.12 | 24.5 | 0 |
| 15 | QPSK | 36 | 0 | 21.80 | 22.14 | 22.04 | 23.5 | 1 |
| 15 | QPSK | 36 | 20 | 21.89 | 22.12 | 22.05 | 23.5 | 1 |
| 15 | QPSK | 36 | 39 | 22.00 | 22.16 | 22.10 | 23.5 | 1 |
| 15 | QPSK | 75 | 0 | 21.88 | 22.14 | 22.09 | 23.5 | 1 |
| 15 | 16QAM | 1 | 0 | 21.97 | 22.15 | 22.01 | 23.5 | 1 |
| 15 | 16QAM | 1 | 37 | 22.02 | 22.17 | 22.14 | 23.5 | 1 |
| 15 | 16QAM | 1 | 74 | 21.94 | 22.17 | 22.05 | 23.5 | 1 |
| 15 | 16QAM | 36 | 0 | 20.97 | 21.14 | 21.11 | 22.5 | 2 |
| 15 | 16QAM | 36 | 20 | 21.01 | 21.12 | 21.06 | 22.5 | 2 |
| 15 | 16QAM | 36 | 39 | 20.90 | 21.08 | 21.02 | 22.5 | 2 |
| 15 | 16QAM | 75 | 0 | 20.92 | 21.17 | 21.02 | 22.5 | 2 |
| 15 | 84QAM | 1 | 0 | 20.82 | 21.02 | 21.05 | 22.5 | 2 |
| 15 | 84QAM | 1 | 37 | 20.93 | 21.15 | 21.08 | 22.5 | 2 |
| 15 | 84QAM | 1 | 74 | 20.90 | 21.16 | 21.11 | 22.5 | 2 |
| 15 | 84QAM | 36 | 0 | 19.94 | 20.09 | 20.09 | 21.5 | 3 |
| 15 | 84QAM | 36 | 20 | 19.97 | 20.16 | 20.05 | 21.5 | 3 |
| 15 | 84QAM | 36 | 39 | 19.98 | 20.08 | 20.03 | 21.5 | 3 |
| 15 | 84QAM | 75 | 0 | 19.92 | 20.07 | 20.06 | 21.5 | 3 |
| 15 | 256QAM | 1 | 0 | 17.68 | 17.90 | 17.82 | 19.5 | 5 |
| 15 | 256QAM | 1 | 37 | 17.74 | 18.04 | 17.97 | 19.5 | 5 |
| 15 | 256QAM | 1 | 74 | 17.76 | 17.92 | 17.90 | 19.5 | 5 |
| 15 | 256QAM | 36 | 0 | 17.97 | 18.11 | 18.02 | 19.5 | 5 |
| 15 | 256QAM | 36 | 20 | 17.82 | 18.03 | 18.01 | 19.5 | 5 |
| 15 | 256QAM | 36 | 39 | 17.89 | 18.11 | 18.02 | 19.5 | 5 |
| 15 | 256QAM | 75 | 0 | 17.90 | 18.08 | 18.02 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.02 | 23.16 | 23.11 | 24.5 | 0 |
| 10 | QPSK | 1 | 25 | 22.78 | 23.03 | 23.01 | 24.5 | 0 |
| 10 | QPSK | 1 | 49 | 22.98 | 23.08 | 23.12 | 24.5 | 0 |
| 10 | QPSK | 25 | 0 | 21.84 | 22.17 | 22.03 | 23.5 | 1 |
| 10 | QPSK | 25 | 12 | 21.94 | 22.06 | 22.05 | 23.5 | 1 |
| 10 | QPSK | 25 | 25 | 21.98 | 22.20 | 22.12 | 23.5 | 1 |
| 10 | QPSK | 50 | 0 | 21.85 | 22.04 | 21.98 | 23.5 | 1 |
| 10 | 16QAM | 1 | 0 | 21.98 | 22.08 | 22.02 | 23.5 | 1 |
| 10 | 16QAM | 1 | 25 | 22.00 | 22.20 | 22.13 | 23.5 | 1 |
| 10 | 16QAM | 1 | 49 | 22.04 | 22.21 | 22.18 | 23.5 | 1 |
| 10 | 16QAM | 25 | 0 | 20.95 | 21.19 | 21.15 | 22.5 | 2 |
| 10 | 16QAM | 25 | 12 | 20.99 | 21.21 | 21.07 | 22.5 | 2 |
| 10 | 16QAM | 25 | 25 | 20.97 | 21.11 | 21.01 | 22.5 | 2 |
| 10 | 16QAM | 50 | 0 | 20.91 | 21.15 | 21.08 | 22.5 | 2 |
| 10 | 84QAM | 1 | 0 | 20.83 | 21.06 | 21.01 | 22.5 | 2 |
| 10 | 84QAM | 1 | 25 | 20.91 | 21.18 | 21.04 | 22.5 | 2 |
| 10 | 84QAM | 1 | 49 | 20.94 | 21.16 | 21.10 | 22.5 | 2 |
| 10 | 84QAM | 25 | 0 | 19.90 | 20.07 | 20.10 | 21.5 | 3 |
| 10 | 84QAM | 25 | 12 | 19.94 | 20.16 | 20.07 | 21.5 | 3 |
| 10 | 84QAM | 25 | 25 | 19.92 | 20.15 | 20.07 | 21.5 | 3 |
| 10 | 84QAM | 50 | 0 | 19.95 | 20.13 | 20.02 | 21.5 | 3 |
| 10 | 256QAM | 1 | 0 | 17.67 | 17.92 | 17.88 | 19.5 | 5 |
| 10 | 256QAM | 1 | 25 | 17.73 | 18.03 | 17.96 | 19.5 | 5 |
| 10 | 256QAM | 1 | 49 | 17.72 | 17.90 | 17.85 | 19.5 | 5 |
| 10 | 256QAM | 25 | 0 | 17.81 | 18.14 | 18.02 | 19.5 | 5 |
| 10 | 256QAM | 25 | 12 | 17.88 | 18.08 | 18.00 | 19.5 | 5 |
| 10 | 256QAM | 25 | 25 | 17.81 | 18.10 | 18.06 | 19.5 | 5 |
| 10 | 256QAM | 50 | 0 | 17.81 | 18.09 | 18.05 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.82 | 23.14 | 23.11 | 24.5 | 0 |
| 5 | QPSK | 1 | 12 | 22.83 | 23.06 | 23.03 | 24.5 | 0 |
| 5 | QPSK | 1 | 24 | 22.96 | 23.16 | 23.09 | 24.5 | 0 |
| 5 | QPSK | 12 | 0 | 21.83 | 22.17 | 22.05 | 23.5 | 1 |
| 5 | QPSK | 12 | 7 | 21.91 | 22.12 | 22.05 | 23.5 | 1 |
| 5 | QPSK | 12 | 13 | 21.98 | 22.15 | 22.12 | 23.5 | 1 |
| 5 | QPSK | 25 | 0 | 21.85 | 22.08 | 21.98 | 23.5 | 1 |
| 5 | 16QAM | 1 | 0 | 21.93 | 22.07 | 21.97 | 23.5 | 1 |
| 5 | 16QAM | 1 | 12 | 22.03 | 22.18 | 22.14 | 23.5 | 1 |
| 5 | 16QAM | 1 | 24 | 21.99 | 22.15 | 22.11 | 23.5 | 1 |
| 5 | 16QAM | 12 | 0 | 20.96 | 21.17 | 21.13 | 22.5 | 2 |
| 5 | 16QAM | 12 | 7 | 20.96 | 21.16 | 21.08 | 22.5 | 2 |
| 5 | 16QAM | 12 | 13 | 20.98 | 21.10 | 21.08 | 22.5 | 2 |
| 5 | 16QAM | 25 | 0 | 20.90 | 21.13 | 21.07 | 22.5 | 2 |
| 5 | 84QAM | 1 | 0 | 20.88 | 21.05 | 21.02 | 22.5 | 2 |
| 5 | 84QAM | 1 | 12 | 20.98 | 21.09 | 21.07 | 22.5 | 2 |
| 5 | 84QAM | 1 | 24 | 20.86 | 21.12 | 21.10 | 22.5 | 2 |
| 5 | 84QAM | 12 | 0 | 19.96 | 20.14 | 20.03 | 21.5 | 3 |
| 5 | 84QAM | 12 | 7 | 19.98 | 20.11 | 20.06 | 21.5 | 3 |
| 5 | 84QAM | 12 | 13 | 19.92 | 20.13 | 20.07 | 21.5 | 3 |
| 5 | 84QAM | 25 | 0 | 19.90 | 20.12 | 20.10 | 21.5 | 3 |
| 5 | 256QAM | 1 | 0 | 17.72 | 17.94 | 17.83 | 19.5 | 5 |
| 5 | 256QAM | 1 | 12 | 17.81 | 18.04 | 17.95 | 19.5 | 5 |
| 5 | 256QAM | 1 | 24 | 17.69 | 17.93 | 17.94 | 19.5 | 5 |
| 5 | 256QAM | 12 | 0 | 17.99 | 18.14 | 18.01 | 19.5 | 5 |
| 5 | 256QAM | 12 | 7 | 17.80 | 18.08 | 18.07 | 19.5 | 5 |
| 5 | 256QAM | 12 | 13 | 17.80 | 18.07 | 18.05 | 19.5 | 5 |
| 5 | 256QAM | 25 | 0 | 17.85 | 18.07 | 18.00 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 23.01 | 23.15 | 23.11 | 24.5 | 0 |
| 1.4 | QPSK | 1 | 8 | 22.82 | 23.03 | 23.06 | 24.5 | 0 |
| 1.4 | QPSK | 1 | 14 | 22.90 | 23.10 | 23.07 | 24.5 | 0 |
| 1.4 | QPSK | 8 | 0 | 21.93 | 22.14 | 22.02 | 23.5 | 1 |
| 1.4 | QPSK | 8 | 4 | 21.90 | 22.12 | 22.02 | 23.5 | 1 |
| 1.4 | QPSK | 8 | 7 | 21.92 | 22.21 | 22.12 | 23.5 | 1 |
| 1.4 | QPSK | 15 | 0 | 21.92 | 22.09 | 22.01 | 23.5 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.90 | 22.08 | 22.05 | 23.5 | 1 |
| 1.4 | 16QAM | 1 | 8 | 22.06 | 22.23 | 22.13 | 23.5 | 1 |
| 1.4 | 16QAM | 1 | 14 | 21.99 | 22.13 | 22.10 | 23.5 | 1 |
| 1.4 | 16QAM | 8 | 0 | 20.98 | 21.16 | 21.09 | 22.5 | 2 |
| 1.4 | 16QAM | 8 | 4 | 20.98 | 21.17 | 21.07 | 22.5 | 2 |
| 1.4 | 16QAM | 8 | 7 | 20.99 | 21.14 | 21.00 | 22.5 | 2 |
| 1.4 | 16QAM | 15 | 0 | 20.85 | 21.09 | 21.02 | 22.5 | 2 |
| 1.4 | 84QAM | 1 | 0 | 20.82 | 21.01 | 20.96 | 22.5 | 2 |
| 1.4 | 84QAM | 1 | 8 | 20.90 | 21.18 | 21.08 | 22.5 | 2 |
| 1.4 | 84QAM | 1 | 14 | 20.94 | 21.09 | 21.07 | 22.5 | 2 |
| 1.4 | 84QAM | 8 | 0 | 19.94 | 20.09 | 20.04 | 21.5 | 3 |
| 1.4 | 84QAM | 8 | 4 | 20.00 | 20.15 | 20.12 | 21.5 | 3 |
| 1.4 | 84QAM | 8 | 7 | 19.93 | 20.08 | 20.04 | 21.5 | 3 |
| 1.4 | 84QAM | 15 | 0 | 19.87 | 20.11 | 20.08 | 21.5 | 3 |
| 1.4 | 256QAM | 1 | 0 | 17.75 | 17.88 | 17.78 | 19.5 | 5 |
| 1.4 | 256QAM | 1 | 8 | 17.78 | 17.97 | 17.95 | 19.5 | 5 |
| 1.4 | 256QAM | 1 | 14 | 17.74 | 17.95 | 17.87 | 19.5 | 5 |
| 1.4 | 256QAM | 8 | 0 | 17.93 | 18.14 | 18.04 | 19.5 | 5 |
| 1.4 | 256QAM | 8 | 4 | 17.82 | 18.06 | 18.04 | 19.5 | 5 |
| 1.4 | 256QAM | 8 | 7 | 17.88 | 18.05 | 18.01 | 19.5 | 5 |
| 1.4 | 256QAM | 15 | 0 | 17.94 | 18.11 | 18.03 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 23.01 | 23.12 | 23.13 | 24.5 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.82 | 23.03 | 23.02 | 24.5 | 0 |
| 1.4 | QPSK | 1 | 5 | 22.93 | 23.16 | 23.14 | 24.5 | 0 |
| 1.4 | QPSK | 3 | 0 | 22.86 | 23.17 | 23.03 | 24.5 | 0 |
| 1.4 | QPSK | 3 | 1 | 22.85 | 23.05 | 23.06 | 24.5 | 0 |
| 1.4 | QPSK | 3 | 3 | 22.90 | 23.17 | 23.14 | 24.5 | 0 |
| 1.4 | QPSK | 6 | 0 | 21.95 | 22.05 | 21.97 | 23.5 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.90 | 22.13 | 22.00 | 23.5 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.05 | 22.24 | 22.21 | 23.5 | 1 |
| 1.4 | 16QAM | 1 | 5 | 21.97 | 22.20 | 22.15 | 23.5 | 1 |
| 1.4 | 16QAM | 3 | 0 | 21.89 | 22.09 | 21.97 | 23.5 | 1 |
| 1.4 | 16QAM | 3 | 1 | 22.08 | 22.22 | 22.21 | 2 | |



Band 12 Other PA Ant0

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Med. Ch. / Freq. | Power High Ch. / Freq. | Tune-up Int. (dB) | MPE (dB) |
|-------------------|------------|---------|-----------|-----------------------|------------------------|------------------------|-------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 704 707.5 711 | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.50 | 24.56 | 24.44 | | |
| 10 | QPSK | 25 | 0 | 24.37 | 24.44 | 24.40 | 25.5 | 0 |
| 10 | QPSK | 1 | 49 | 24.40 | 24.50 | 24.45 | | |
| 10 | QPSK | 25 | 0 | 23.70 | 23.74 | 23.63 | | |
| 10 | QPSK | 25 | 12 | 23.63 | 23.67 | 23.61 | 24.5 | 1 |
| 10 | QPSK | 25 | 25 | 23.49 | 23.84 | 23.58 | | |
| 10 | QPSK | 50 | 0 | 23.55 | 23.69 | 23.55 | | |
| 10 | HQAM | 1 | 0 | 23.67 | 23.62 | 23.56 | | |
| 10 | HQAM | 1 | 25 | 23.59 | 23.85 | 23.62 | 24.5 | 1 |
| 10 | HQAM | 1 | 49 | 23.54 | 23.57 | 23.48 | | |
| 10 | HQAM | 25 | 0 | 22.55 | 22.65 | 22.50 | | |
| 10 | HQAM | 25 | 12 | 22.51 | 22.65 | 22.52 | 23.5 | 2 |
| 10 | HQAM | 25 | 25 | 22.44 | 22.51 | 22.44 | | |
| 10 | HQAM | 50 | 0 | 22.44 | 22.51 | 22.44 | | |
| 10 | HQAM | 1 | 0 | 22.54 | 22.66 | 22.54 | | |
| 10 | HQAM | 1 | 25 | 22.40 | 22.58 | 22.54 | 23.5 | 2 |
| 10 | HQAM | 1 | 49 | 22.70 | 22.76 | 22.65 | | |
| 10 | HQAM | 25 | 0 | 21.48 | 21.59 | 21.50 | | |
| 10 | HQAM | 25 | 12 | 21.41 | 21.56 | 21.44 | 22.5 | 3 |
| 10 | HQAM | 25 | 25 | 21.60 | 21.75 | 21.65 | | |
| 10 | HQAM | 50 | 0 | 21.50 | 22.04 | 21.50 | | |
| 10 | ZSSBAM | 1 | 0 | 20.00 | 20.11 | 20.00 | | |
| 10 | ZSSBAM | 1 | 25 | 19.81 | 19.92 | 19.88 | 20.5 | 5 |
| 10 | ZSSBAM | 1 | 49 | 20.05 | 20.17 | 20.05 | | |
| 10 | ZSSBAM | 25 | 0 | 19.87 | 19.95 | 19.92 | | |
| 10 | ZSSBAM | 25 | 12 | 19.80 | 19.84 | 19.70 | 20.5 | 5 |
| 10 | ZSSBAM | 25 | 25 | 19.60 | 19.72 | 19.67 | | |
| 10 | ZSSBAM | 50 | 0 | 19.85 | 19.98 | 19.85 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 701.5 707.5 713.5 | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.42 | 24.45 | 24.36 | | |
| 5 | QPSK | 1 | 12 | 24.34 | 24.34 | 24.37 | 25.5 | 0 |
| 5 | QPSK | 1 | 24 | 24.27 | 24.38 | 24.37 | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.65 | 23.55 | | |
| 5 | QPSK | 12 | 7 | 23.51 | 23.63 | 23.54 | 24.5 | 1 |
| 5 | QPSK | 12 | 13 | 23.39 | 23.55 | 23.50 | | |
| 5 | QPSK | 25 | 0 | 23.44 | 23.56 | 23.49 | | |
| 5 | HQAM | 1 | 0 | 23.38 | 23.53 | 23.46 | | |
| 5 | HQAM | 1 | 12 | 23.47 | 23.61 | 23.58 | 24.5 | 1 |
| 5 | HQAM | 1 | 24 | 23.29 | 23.51 | 23.58 | | |
| 5 | HQAM | 12 | 0 | 22.48 | 22.54 | 22.55 | | |
| 5 | HQAM | 12 | 7 | 22.49 | 22.51 | 22.46 | 23.5 | 2 |
| 5 | HQAM | 12 | 13 | 22.31 | 22.48 | 22.41 | | |
| 5 | HQAM | 25 | 0 | 22.74 | 22.85 | 22.73 | | |
| 5 | HQAM | 1 | 0 | 22.45 | 22.92 | 22.41 | | |
| 5 | HQAM | 1 | 12 | 22.49 | 22.85 | 22.48 | 23.5 | 2 |
| 5 | HQAM | 1 | 24 | 22.50 | 22.63 | 22.54 | | |
| 5 | HQAM | 12 | 0 | 21.42 | 21.55 | 21.41 | | |
| 5 | HQAM | 12 | 7 | 21.71 | 21.80 | 21.78 | | |
| 5 | HQAM | 12 | 13 | 21.53 | 21.68 | 21.51 | 22.5 | 3 |
| 5 | HQAM | 25 | 0 | 21.85 | 21.97 | 21.77 | | |
| 5 | ZSSBAM | 1 | 0 | 19.85 | 19.99 | 19.86 | | |
| 5 | ZSSBAM | 1 | 12 | 19.78 | 19.81 | 19.75 | 20.5 | 5 |
| 5 | ZSSBAM | 1 | 24 | 19.97 | 20.14 | 19.91 | | |
| 5 | ZSSBAM | 12 | 0 | 19.41 | 19.62 | 19.58 | | |
| 5 | ZSSBAM | 12 | 7 | 19.65 | 19.74 | 19.57 | 20.5 | 5 |
| 5 | ZSSBAM | 12 | 13 | 19.45 | 19.59 | 19.61 | | |
| 5 | ZSSBAM | 25 | 0 | 19.71 | 19.85 | 19.78 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 700.5 707.5 714.5 | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.40 | 24.52 | 24.41 | | |
| 3 | QPSK | 1 | 8 | 24.34 | 24.34 | 24.34 | 25.5 | 0 |
| 3 | QPSK | 1 | 14 | 24.36 | 24.40 | 24.36 | | |
| 3 | QPSK | 1 | 3 | 23.66 | 23.66 | 23.66 | | |
| 3 | QPSK | 8 | 4 | 23.55 | 23.59 | 23.58 | 24.5 | 1 |
| 3 | QPSK | 8 | 7 | 23.39 | 23.52 | 23.53 | | |
| 3 | QPSK | 8 | 3 | 23.50 | 23.52 | 23.48 | | |
| 3 | HQAM | 1 | 0 | 23.38 | 23.49 | 23.49 | | |
| 3 | HQAM | 1 | 8 | 23.47 | 23.53 | 23.55 | 24.5 | 1 |
| 3 | HQAM | 1 | 14 | 23.45 | 23.43 | 23.56 | | |
| 3 | HQAM | 8 | 0 | 22.45 | 22.58 | 22.59 | | |
| 3 | HQAM | 8 | 4 | 22.47 | 22.59 | 22.48 | 23.5 | 2 |
| 3 | HQAM | 8 | 7 | 22.39 | 22.40 | 22.40 | | |
| 3 | HQAM | 16 | 0 | 22.77 | 22.77 | 22.79 | | |
| 3 | HQAM | 1 | 0 | 22.44 | 22.67 | 22.41 | | |
| 3 | HQAM | 1 | 8 | 22.55 | 22.58 | 22.59 | 23.5 | 2 |
| 3 | HQAM | 1 | 14 | 22.59 | 22.73 | 22.52 | | |
| 3 | HQAM | 8 | 0 | 21.44 | 21.55 | 21.43 | | |
| 3 | HQAM | 8 | 4 | 21.77 | 21.83 | 21.78 | 22.5 | 3 |
| 3 | HQAM | 8 | 7 | 21.49 | 21.61 | 21.52 | | |
| 3 | HQAM | 16 | 0 | 21.79 | 22.00 | 21.83 | | |
| 3 | ZSSBAM | 1 | 0 | 19.85 | 20.01 | 19.89 | | |
| 3 | ZSSBAM | 1 | 8 | 19.67 | 19.80 | 19.77 | 20.5 | 5 |
| 3 | ZSSBAM | 1 | 14 | 19.96 | 20.04 | 19.92 | | |
| 3 | ZSSBAM | 8 | 0 | 19.43 | 19.50 | 19.43 | | |
| 3 | ZSSBAM | 8 | 4 | 19.72 | 19.70 | 19.59 | 20.5 | 5 |
| 3 | ZSSBAM | 8 | 7 | 19.48 | 19.59 | 19.53 | | |
| 3 | ZSSBAM | 16 | 0 | 19.81 | 19.81 | 19.81 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 23017 23095 23173 | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.41 | 24.49 | 24.33 | | |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.25 | | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.41 | 24.38 | 25.5 | 0 |
| 1.4 | QPSK | 3 | 0 | 24.40 | 24.44 | 24.36 | | |
| 1.4 | QPSK | 3 | 1 | 24.25 | 24.35 | 24.30 | | |
| 1.4 | QPSK | 3 | 3 | 24.30 | 24.41 | 24.32 | 24.5 | 1 |
| 1.4 | QPSK | 6 | 0 | 23.58 | 23.69 | 23.54 | | |
| 1.4 | HQAM | 1 | 0 | 23.51 | 23.54 | 23.53 | | |
| 1.4 | HQAM | 1 | 3 | 23.39 | 23.52 | 23.52 | | |
| 1.4 | HQAM | 1 | 5 | 23.46 | 23.59 | 23.47 | 24.5 | 1 |
| 1.4 | HQAM | 3 | 0 | 23.42 | 23.48 | 23.47 | | |
| 1.4 | HQAM | 3 | 1 | 23.50 | 23.59 | 23.56 | | |
| 1.4 | HQAM | 3 | 3 | 23.44 | 23.48 | 23.50 | | |
| 1.4 | HQAM | 6 | 0 | 22.51 | 22.61 | 22.47 | 23.5 | 2 |
| 1.4 | HQAM | 1 | 0 | 22.40 | 22.54 | 22.44 | | |
| 1.4 | HQAM | 1 | 3 | 22.40 | 22.43 | 22.36 | | |
| 1.4 | HQAM | 1 | 5 | 22.45 | 22.50 | 22.42 | 23.5 | 2 |
| 1.4 | HQAM | 3 | 0 | 22.47 | 22.59 | 22.47 | | |
| 1.4 | HQAM | 3 | 1 | 22.50 | 22.60 | 22.47 | | |
| 1.4 | HQAM | 3 | 3 | 22.59 | 22.62 | 22.55 | | |
| 1.4 | HQAM | 6 | 0 | 21.56 | 21.62 | 21.59 | 22.5 | 3 |
| 1.4 | ZSSBAM | 1 | 0 | 19.89 | 19.98 | 19.89 | | |
| 1.4 | ZSSBAM | 1 | 3 | 19.69 | 19.89 | 19.74 | | |
| 1.4 | ZSSBAM | 1 | 5 | 19.91 | 20.03 | 19.93 | 20.5 | 5 |
| 1.4 | ZSSBAM | 3 | 0 | 19.59 | 19.46 | 19.46 | | |
| 1.4 | ZSSBAM | 3 | 1 | 19.70 | 19.73 | 19.57 | | |
| 1.4 | ZSSBAM | 3 | 3 | 19.95 | 19.98 | 19.98 | | |
| 1.4 | ZSSBAM | 6 | 0 | 19.79 | 19.76 | 19.75 | 20.5 | 5 |



| Band 17 other PA Ant0 | | | | | | | | | |
|-----------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------------|----------|---|
| BW (MHz) | Modulation | RE Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Time-up limit (min) | MRP (dB) | |
| Channel | | | | 2350 | 2350 | 2360 | | | |
| Frequency (MHz) | | | | 700 | 710 | 711 | | | |
| 10 | QPSK | 1 | 0 | 24.43 | 24.51 | 24.46 | | | |
| 10 | QPSK | 1 | 25 | 24.31 | 24.40 | 24.38 | | 25.5 | 0 |
| 10 | QPSK | 1 | 49 | 24.38 | 24.47 | 24.33 | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.66 | 23.27 | | | |
| 10 | QPSK | 25 | 12 | 23.65 | 23.69 | 23.46 | | | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.46 | 23.34 | | 24.5 | 1 |
| 10 | QPSK | 50 | 0 | 23.48 | 23.50 | 23.40 | | | |
| 10 | 16QAM | 1 | 0 | 23.46 | 23.50 | 23.42 | | | |
| 10 | 16QAM | 1 | 25 | 23.29 | 23.42 | 23.32 | | 24.5 | 1 |
| 10 | 16QAM | 1 | 49 | 23.21 | 23.34 | 23.26 | | | |
| 10 | 16QAM | 25 | 0 | 22.68 | 22.73 | 22.62 | | | |
| 10 | 16QAM | 25 | 12 | 22.69 | 22.72 | 22.58 | | | |
| 10 | 16QAM | 25 | 25 | 22.65 | 22.73 | 22.65 | | 23.5 | 2 |
| 10 | 16QAM | 50 | 0 | 22.67 | 22.79 | 22.73 | | | |
| 10 | 64QAM | 1 | 0 | 22.43 | 22.50 | 22.41 | | | |
| 10 | 64QAM | 1 | 25 | 22.50 | 22.54 | 22.46 | | 23.5 | 2 |
| 10 | 64QAM | 1 | 49 | 22.36 | 22.32 | 22.21 | | | |
| 10 | 64QAM | 25 | 0 | 21.69 | 21.66 | 21.50 | | | |
| 10 | 64QAM | 25 | 12 | 21.68 | 21.77 | 21.46 | | | |
| 10 | 64QAM | 25 | 25 | 21.60 | 21.68 | 21.49 | | 22.5 | 3 |
| 10 | 64QAM | 50 | 0 | 21.69 | 21.66 | 21.62 | | | |
| 10 | 256QAM | 1 | 0 | 19.62 | 19.62 | 19.61 | | | |
| 10 | 256QAM | 1 | 25 | 19.83 | 19.89 | 19.73 | | 20.5 | 5 |
| 10 | 256QAM | 1 | 49 | 19.69 | 19.70 | 19.68 | | | |
| 10 | 256QAM | 25 | 0 | 19.17 | 19.58 | 19.45 | | | |
| 10 | 256QAM | 25 | 12 | 19.52 | 19.60 | 19.58 | | 20.5 | 5 |
| 10 | 256QAM | 25 | 25 | 19.60 | 19.54 | 19.43 | | | |
| 10 | 256QAM | 50 | 0 | 19.60 | 19.67 | 19.52 | | | |
| Channel | | | | 2355 | 2350 | 2365 | | | |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | | | |
| 5 | QPSK | 1 | 0 | 24.39 | 24.46 | 24.43 | | | |
| 5 | QPSK | 1 | 12 | 24.24 | 24.36 | 24.26 | | 25.5 | 0 |
| 5 | QPSK | 1 | 24 | 24.35 | 24.36 | 24.22 | | | |
| 5 | QPSK | 12 | 0 | 23.69 | 23.61 | 23.40 | | | |
| 5 | QPSK | 12 | 7 | 23.60 | 23.47 | 23.39 | | | |
| 5 | QPSK | 12 | 13 | 23.28 | 23.42 | 23.26 | | 24.5 | 1 |
| 5 | QPSK | 25 | 0 | 23.44 | 23.56 | 23.39 | | | |
| 5 | 16QAM | 1 | 0 | 23.32 | 23.48 | 23.31 | | | |
| 5 | 16QAM | 1 | 12 | 23.20 | 23.32 | 23.28 | | 24.5 | 1 |
| 5 | 16QAM | 1 | 24 | 23.07 | 23.29 | 23.22 | | | |
| 5 | 16QAM | 12 | 0 | 22.64 | 22.61 | 22.51 | | | |
| 5 | 16QAM | 12 | 7 | 22.68 | 22.59 | 22.54 | | 23.5 | 2 |
| 5 | 16QAM | 12 | 13 | 22.68 | 22.59 | 22.51 | | | |
| 5 | 16QAM | 25 | 0 | 22.67 | 22.67 | 22.63 | | | |
| 5 | 64QAM | 1 | 0 | 22.38 | 22.37 | 22.37 | | | |
| 5 | 64QAM | 1 | 12 | 22.41 | 22.46 | 22.37 | | 23.5 | 2 |
| 5 | 64QAM | 1 | 24 | 22.22 | 22.27 | 22.15 | | | |
| 5 | 64QAM | 12 | 0 | 21.44 | 21.58 | 21.53 | | | |
| 5 | 64QAM | 12 | 7 | 21.60 | 21.70 | 21.64 | | | |
| 5 | 64QAM | 12 | 13 | 21.37 | 21.51 | 21.38 | | 22.5 | 3 |
| 5 | 64QAM | 25 | 0 | 21.44 | 21.67 | 21.49 | | | |
| 5 | 256QAM | 1 | 0 | 19.78 | 19.79 | 19.69 | | | |
| 5 | 256QAM | 1 | 12 | 19.72 | 19.75 | 19.66 | | 20.5 | 5 |
| 5 | 256QAM | 1 | 24 | 19.48 | 19.59 | 19.53 | | | |
| 5 | 256QAM | 12 | 0 | 19.37 | 19.48 | 19.33 | | | |
| 5 | 256QAM | 12 | 7 | 19.39 | 19.47 | 19.43 | | 20.5 | 5 |
| 5 | 256QAM | 12 | 13 | 19.44 | 19.48 | 19.33 | | | |
| 5 | 256QAM | 25 | 0 | 19.58 | 19.63 | 19.52 | | | |



Band 12 Other PA Ant1

| BW (MHz) | Modulation | RB Size | RB Offset | Power | | | Time-up limit (dBm) | MPE (dB) |
|-----------------|------------|---------|-----------|-----------------|-----------------|------------------|---------------------|----------|
| | | | | Low Ch. / Freq. | Mid Ch. / Freq. | High Ch. / Freq. | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | |
| 10 | QPSK | 1 | 0 | 23.69 | 23.74 | 23.67 | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 23.69 | 23.66 | 23.67 | | |
| 10 | QPSK | 1 | 49 | 23.67 | 23.61 | 23.62 | | |
| 10 | QPSK | 25 | 0 | 22.66 | 22.76 | 22.67 | 24.5 | 1 |
| 10 | QPSK | 25 | 12 | 22.66 | 22.70 | 22.67 | | |
| 10 | QPSK | 25 | 25 | 22.65 | 22.65 | 22.66 | | |
| 10 | QPSK | 50 | 0 | 22.59 | 22.72 | 22.67 | | |
| 10 | 16QAM | 1 | 0 | 22.68 | 22.67 | 22.56 | 24.5 | 1 |
| 10 | 16QAM | 1 | 25 | 22.53 | 22.61 | 22.58 | | |
| 10 | 16QAM | 1 | 49 | 22.54 | 22.57 | 22.51 | | |
| 10 | 16QAM | 25 | 0 | 21.73 | 21.81 | 21.71 | 23.5 | 2 |
| 10 | 16QAM | 25 | 12 | 21.70 | 21.73 | 21.65 | | |
| 10 | 16QAM | 25 | 25 | 21.63 | 21.77 | 21.66 | | |
| 10 | 16QAM | 50 | 0 | 21.68 | 21.71 | 21.67 | | |
| 10 | 64QAM | 1 | 0 | 21.65 | 21.79 | 21.71 | 23.5 | 2 |
| 10 | 64QAM | 1 | 25 | 21.59 | 21.72 | 21.66 | | |
| 10 | 64QAM | 1 | 49 | 21.65 | 21.69 | 21.64 | | |
| 10 | 64QAM | 25 | 0 | 20.90 | 20.95 | 20.88 | 22.5 | 3 |
| 10 | 64QAM | 25 | 12 | 20.87 | 20.86 | 20.76 | | |
| 10 | 64QAM | 25 | 25 | 20.81 | 20.81 | 20.84 | | |
| 10 | 64QAM | 50 | 0 | 20.68 | 20.83 | 20.72 | | |
| 10 | 256QAM | 1 | 0 | 18.65 | 18.56 | 18.62 | 20.5 | 5 |
| 10 | 256QAM | 1 | 25 | 18.83 | 18.93 | 18.88 | | |
| 10 | 256QAM | 1 | 49 | 18.85 | 18.88 | 18.74 | | |
| 10 | 256QAM | 25 | 0 | 18.73 | 18.67 | 18.64 | 20.5 | 5 |
| 10 | 256QAM | 25 | 12 | 18.68 | 18.77 | 18.72 | | |
| 10 | 256QAM | 25 | 25 | 18.74 | 18.83 | 18.69 | | |
| 10 | 256QAM | 50 | 0 | 18.65 | 18.91 | 18.82 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 23.62 | 23.67 | 23.64 | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 23.67 | 23.68 | 23.64 | | |
| 5 | QPSK | 1 | 24 | 23.67 | 23.56 | 23.62 | | |
| 5 | QPSK | 12 | 0 | 22.55 | 22.67 | 22.64 | 24.5 | 1 |
| 5 | QPSK | 12 | 7 | 22.51 | 22.64 | 22.60 | | |
| 5 | QPSK | 12 | 13 | 22.51 | 22.52 | 22.52 | | |
| 5 | QPSK | 25 | 0 | 22.55 | 22.67 | 22.61 | | |
| 5 | 16QAM | 1 | 0 | 22.57 | 22.58 | 22.48 | 24.5 | 1 |
| 5 | 16QAM | 1 | 12 | 22.51 | 22.55 | 22.59 | | |
| 5 | 16QAM | 1 | 24 | 22.59 | 22.54 | 22.59 | | |
| 5 | 16QAM | 12 | 0 | 21.65 | 21.74 | 21.63 | 23.5 | 2 |
| 5 | 16QAM | 12 | 7 | 21.61 | 21.63 | 21.59 | | |
| 5 | 16QAM | 12 | 13 | 21.63 | 21.66 | 21.59 | | |
| 5 | 16QAM | 25 | 0 | 21.53 | 21.68 | 21.51 | 23.5 | 2 |
| 5 | 64QAM | 1 | 0 | 21.54 | 21.71 | 21.58 | | |
| 5 | 64QAM | 1 | 12 | 21.55 | 21.64 | 21.64 | | |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.58 | 22.5 | 3 |
| 5 | 64QAM | 12 | 0 | 20.77 | 20.90 | 20.83 | | |
| 5 | 64QAM | 12 | 7 | 20.69 | 20.79 | 20.68 | | |
| 5 | 64QAM | 12 | 13 | 20.67 | 20.85 | 20.72 | | |
| 5 | 64QAM | 25 | 0 | 20.58 | 20.80 | 20.60 | | |
| 5 | 256QAM | 1 | 0 | 18.71 | 18.96 | 18.73 | 20.5 | 5 |
| 5 | 256QAM | 1 | 12 | 18.74 | 18.82 | 18.81 | | |
| 5 | 256QAM | 1 | 24 | 18.73 | 18.77 | 18.65 | | |
| 5 | 256QAM | 12 | 0 | 18.64 | 18.78 | 18.67 | 20.5 | 5 |
| 5 | 256QAM | 12 | 7 | 18.59 | 18.67 | 18.63 | | |
| 5 | 256QAM | 12 | 13 | 18.62 | 18.74 | 18.55 | | |
| 5 | 256QAM | 25 | 0 | 18.73 | 18.96 | 18.71 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | |
| 3 | QPSK | 1 | 0 | 23.64 | 23.63 | 23.66 | 25.5 | 0 |
| 3 | QPSK | 1 | 8 | 23.57 | 23.56 | 23.58 | | |
| 3 | QPSK | 1 | 14 | 23.53 | 23.57 | 23.59 | | |
| 3 | QPSK | 8 | 0 | 22.52 | 22.66 | 22.52 | 24.5 | 1 |
| 3 | QPSK | 8 | 4 | 22.58 | 22.57 | 22.51 | | |
| 3 | QPSK | 8 | 7 | 22.56 | 22.54 | 22.58 | | |
| 3 | QPSK | 16 | 0 | 22.60 | 22.58 | 22.61 | | |
| 3 | 16QAM | 1 | 0 | 22.59 | 22.54 | 22.59 | 24.5 | 1 |
| 3 | 16QAM | 1 | 8 | 22.58 | 22.51 | 22.80 | | |
| 3 | 16QAM | 1 | 14 | 22.63 | 22.58 | 22.61 | | |
| 3 | 16QAM | 8 | 0 | 21.59 | 21.75 | 21.65 | 23.5 | 2 |
| 3 | 16QAM | 8 | 4 | 21.58 | 21.67 | 21.61 | | |
| 3 | 16QAM | 8 | 7 | 21.56 | 21.72 | 21.65 | | |
| 3 | 16QAM | 16 | 0 | 21.55 | 21.63 | 21.54 | | |
| 3 | 64QAM | 1 | 0 | 21.60 | 21.72 | 21.63 | 23.5 | 2 |
| 3 | 64QAM | 1 | 8 | 21.56 | 21.64 | 21.60 | | |
| 3 | 64QAM | 1 | 14 | 21.59 | 21.64 | 21.57 | | |
| 3 | 64QAM | 8 | 0 | 20.79 | 20.86 | 20.79 | 22.5 | 3 |
| 3 | 64QAM | 8 | 4 | 20.77 | 20.71 | 20.72 | | |
| 3 | 64QAM | 8 | 7 | 20.74 | 20.79 | 20.71 | | |
| 3 | 64QAM | 16 | 0 | 20.63 | 20.75 | 20.61 | | |
| 3 | 256QAM | 1 | 0 | 18.74 | 18.88 | 18.79 | 20.5 | 5 |
| 3 | 256QAM | 1 | 8 | 18.76 | 18.78 | 18.79 | | |
| 3 | 256QAM | 1 | 14 | 18.79 | 18.84 | 18.61 | | |
| 3 | 256QAM | 8 | 0 | 18.70 | 18.82 | 18.71 | 20.5 | 5 |
| 3 | 256QAM | 8 | 4 | 18.68 | 18.71 | 18.61 | | |
| 3 | 256QAM | 8 | 7 | 18.62 | 18.79 | 18.63 | | |
| 3 | 256QAM | 16 | 0 | 18.73 | 18.87 | 18.71 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 699.7 | 707.5 | 716.3 | | |
| 1.4 | QPSK | 1 | 0 | 23.64 | 23.55 | 23.58 | 25.5 | 0 |
| 1.4 | QPSK | 1 | 3 | 23.52 | 23.51 | 23.55 | | |
| 1.4 | QPSK | 1 | 5 | 23.58 | 23.70 | 23.65 | | |
| 1.4 | QPSK | 3 | 0 | 23.55 | 23.63 | 23.59 | 24.5 | 1 |
| 1.4 | QPSK | 3 | 1 | 23.56 | 23.58 | 23.59 | | |
| 1.4 | QPSK | 3 | 3 | 23.52 | 23.52 | 23.54 | | |
| 1.4 | QPSK | 6 | 0 | 22.68 | 22.72 | 22.61 | 24.5 | 1 |
| 1.4 | 16QAM | 1 | 0 | 22.52 | 22.68 | 22.59 | | |
| 1.4 | 16QAM | 1 | 3 | 22.64 | 22.51 | 22.57 | 24.5 | 1 |
| 1.4 | 16QAM | 1 | 5 | 22.64 | 22.60 | 22.53 | | |
| 1.4 | 16QAM | 3 | 0 | 22.84 | 22.57 | 22.61 | | |
| 1.4 | 16QAM | 3 | 1 | 22.51 | 22.57 | 22.60 | | |
| 1.4 | 16QAM | 3 | 3 | 22.68 | 22.52 | 22.56 | | |
| 1.4 | 16QAM | 6 | 0 | 21.66 | 21.75 | 21.68 | 23.5 | 2 |
| 1.4 | 64QAM | 1 | 0 | 21.59 | 21.59 | 21.52 | | |
| 1.4 | 64QAM | 1 | 3 | 21.59 | 21.67 | 21.52 | | |
| 1.4 | 64QAM | 1 | 5 | 21.64 | 21.58 | 21.52 | 23.5 | 2 |
| 1.4 | 64QAM | 3 | 0 | 21.55 | 21.71 | 21.60 | | |
| 1.4 | 64QAM | 3 | 1 | 21.59 | 21.68 | 21.63 | | |
| 1.4 | 64QAM | 3 | 3 | 21.53 | 21.58 | 21.53 | | |
| 1.4 | 256QAM | 1 | 0 | 20.74 | 20.82 | 20.66 | 22.5 | 3 |
| 1.4 | 256QAM | 1 | 0 | 18.75 | 18.87 | 18.87 | | |
| 1.4 | 256QAM | 1 | 3 | 18.77 | 18.87 | 18.79 | | |
| 1.4 | 256QAM | 1 | 5 | 18.79 | 18.74 | 18.61 | 20.5 | 5 |
| 1.4 | 256QAM | 3 | 0 | 18.70 | 18.73 | 18.74 | | |
| 1.4 | 256QAM | 3 | 1 | 18.65 | 18.67 | 18.60 | | |
| 1.4 | 256QAM | 3 | 3 | 18.66 | 18.76 | 18.66 | | |
| 1.4 | 256QAM | 6 | 0 | 18.79 | 18.78 | 18.76 | 20.5 | 5 |



Band 17 Other PA Ant1

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power High Ch. / Freq. | Power Mid Ch. / Freq. | Turn-up limit (dB) | MFR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|--------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 23.07 | 23.70 | 23.69 | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 23.54 | 23.69 | 23.51 | | |
| 10 | QPSK | 1 | 49 | 23.05 | 23.69 | 23.81 | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.60 | 22.58 | 24.5 | 1 |
| 10 | QPSK | 25 | 12 | 22.53 | 22.59 | 22.85 | | |
| 10 | QPSK | 25 | 25 | 22.83 | 22.58 | 22.58 | | |
| 10 | QPSK | 50 | 0 | 22.07 | 22.61 | 22.54 | 24.5 | 1 |
| 10 | 16QAM | 1 | 0 | 22.90 | 22.96 | 22.59 | | |
| 10 | 16QAM | 1 | 25 | 22.57 | 22.53 | 22.51 | | |
| 10 | 16QAM | 1 | 49 | 22.63 | 22.59 | 22.52 | 23.5 | 2 |
| 10 | 16QAM | 25 | 0 | 21.81 | 21.71 | 21.68 | | |
| 10 | 16QAM | 25 | 12 | 21.81 | 21.58 | 21.58 | | |
| 10 | 16QAM | 25 | 25 | 21.51 | 21.72 | 21.52 | 23.5 | 2 |
| 10 | 16QAM | 50 | 0 | 21.57 | 21.60 | 21.58 | | |
| 10 | 64QAM | 1 | 0 | 21.50 | 21.74 | 21.63 | | |
| 10 | 64QAM | 1 | 25 | 21.58 | 21.59 | 21.63 | 22.5 | 3 |
| 10 | 64QAM | 1 | 49 | 21.54 | 21.66 | 21.60 | | |
| 10 | 64QAM | 25 | 0 | 20.86 | 20.87 | 20.85 | | |
| 10 | 64QAM | 25 | 12 | 20.71 | 20.81 | 20.86 | 20.5 | 5 |
| 10 | 64QAM | 25 | 25 | 20.71 | 20.78 | 20.78 | | |
| 10 | 64QAM | 50 | 0 | 20.53 | 20.73 | 20.63 | | |
| 10 | 256QAM | 1 | 0 | 18.72 | 18.80 | 18.81 | 20.5 | 5 |
| 10 | 256QAM | 1 | 25 | 18.73 | 18.78 | 18.74 | | |
| 10 | 256QAM | 1 | 49 | 18.78 | 18.84 | 18.83 | | |
| 10 | 256QAM | 25 | 0 | 18.60 | 18.76 | 18.73 | 20.5 | 5 |
| 10 | 256QAM | 25 | 12 | 18.67 | 18.67 | 18.63 | | |
| 10 | 256QAM | 25 | 25 | 18.66 | 18.72 | 18.55 | | |
| 10 | 256QAM | 50 | 0 | 18.72 | 18.87 | 18.71 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 709.5 | 710 | 711.5 | Turn-up limit (dB) | MFR (dB) |
| 5 | QPSK | 1 | 0 | 23.51 | 23.65 | 23.54 | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 23.50 | 23.56 | 23.57 | | |
| 5 | QPSK | 1 | 24 | 23.54 | 23.64 | 23.56 | | |
| 5 | QPSK | 12 | 0 | 22.72 | 22.83 | 22.67 | 24.5 | 1 |
| 5 | QPSK | 12 | 7 | 22.92 | 22.74 | 22.69 | | |
| 5 | QPSK | 12 | 13 | 22.58 | 22.72 | 22.59 | | |
| 5 | QPSK | 25 | 0 | 22.68 | 22.72 | 22.64 | 24.5 | 1 |
| 5 | 16QAM | 1 | 0 | 22.67 | 22.65 | 22.59 | | |
| 5 | 16QAM | 1 | 12 | 22.55 | 22.86 | 22.57 | | |
| 5 | 16QAM | 1 | 24 | 22.51 | 22.59 | 22.58 | 23.5 | 2 |
| 5 | 16QAM | 12 | 0 | 21.75 | 21.84 | 21.73 | | |
| 5 | 16QAM | 12 | 7 | 21.72 | 21.67 | 21.81 | | |
| 5 | 16QAM | 12 | 13 | 21.61 | 21.69 | 21.68 | 23.5 | 2 |
| 5 | 16QAM | 25 | 0 | 21.58 | 21.69 | 21.56 | | |
| 5 | 64QAM | 1 | 0 | 21.59 | 21.72 | 21.67 | | |
| 5 | 64QAM | 1 | 12 | 21.54 | 21.62 | 21.60 | 22.5 | 3 |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.52 | | |
| 5 | 64QAM | 12 | 0 | 20.92 | 20.90 | 20.85 | | |
| 5 | 64QAM | 12 | 7 | 20.83 | 20.76 | 20.85 | 20.5 | 5 |
| 5 | 64QAM | 12 | 13 | 20.73 | 20.75 | 20.74 | | |
| 5 | 64QAM | 25 | 0 | 20.65 | 20.69 | 20.59 | | |
| 5 | 256QAM | 1 | 0 | 18.72 | 18.80 | 18.81 | 20.5 | 5 |
| 5 | 256QAM | 1 | 12 | 18.72 | 18.85 | 18.77 | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.81 | 18.69 | | |
| 5 | 256QAM | 12 | 0 | 18.75 | 18.72 | 18.69 | 20.5 | 5 |
| 5 | 256QAM | 12 | 7 | 18.60 | 18.70 | 18.61 | | |
| 5 | 256QAM | 12 | 13 | 18.66 | 18.73 | 18.67 | | |
| 5 | 256QAM | 25 | 0 | 18.68 | 18.93 | 18.69 | | |



Band 66 Other PA Ant3 DS10 ENDC

| Band (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Time-up limit (min) | MPE (dB) |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 16.54 | 16.57 | 16.51 | 18 | 0 |
| 20 | QPSK | 1 | 49 | 16.22 | 16.31 | 16.38 | 18 | 0 |
| 20 | QPSK | 1 | 99 | 16.27 | 16.33 | 16.38 | 18 | 0 |
| 20 | QPSK | 50 | 0 | 16.48 | 16.56 | 16.55 | 18 | 0 |
| 20 | QPSK | 50 | 24 | 16.60 | 16.49 | 16.51 | 18 | 0 |
| 20 | QPSK | 50 | 50 | 16.42 | 16.18 | 16.37 | 18 | 0 |
| 20 | QPSK | 100 | 0 | 16.27 | 16.47 | 16.29 | 18 | 0 |
| 20 | 16QAM | 1 | 0 | 16.34 | 16.17 | 16.29 | 18 | 0 |
| 20 | 16QAM | 1 | 49 | 16.28 | 16.19 | 16.12 | 18 | 0 |
| 20 | 16QAM | 1 | 99 | 16.12 | 16.11 | 16.22 | 18 | 0 |
| 20 | 16QAM | 50 | 0 | 16.39 | 16.48 | 16.34 | 18 | 0 |
| 20 | 16QAM | 50 | 24 | 16.40 | 16.34 | 16.31 | 18 | 0 |
| 20 | 16QAM | 50 | 50 | 16.17 | 16.38 | 16.45 | 18 | 0 |
| 20 | 16QAM | 100 | 0 | 16.29 | 16.46 | 16.32 | 18 | 0 |
| 20 | 16QAM | 1 | 0 | 16.29 | 16.44 | 16.32 | 18 | 0 |
| 20 | 16QAM | 1 | 49 | 16.30 | 16.30 | 16.27 | 18 | 0 |
| 20 | 16QAM | 1 | 99 | 16.18 | 16.34 | 16.30 | 18 | 0 |
| 20 | 16QAM | 50 | 0 | 16.34 | 16.42 | 16.23 | 18 | 0 |
| 20 | 16QAM | 50 | 24 | 16.25 | 16.17 | 16.22 | 18 | 0 |
| 20 | 16QAM | 50 | 50 | 16.38 | 16.34 | 16.30 | 18 | 0 |
| 20 | 16QAM | 100 | 0 | 16.15 | 16.39 | 16.23 | 18 | 0 |
| 20 | 256QAM | 1 | 0 | 16.64 | 16.57 | 16.57 | 18 | 0 |
| 20 | 256QAM | 1 | 49 | 16.22 | 16.30 | 16.13 | 18 | 0 |
| 20 | 256QAM | 1 | 99 | 16.23 | 16.24 | 16.31 | 18 | 0 |
| 20 | 256QAM | 50 | 0 | 16.41 | 16.42 | 16.24 | 18 | 0 |
| 20 | 256QAM | 50 | 24 | 16.31 | 16.31 | 16.27 | 18 | 0 |
| 20 | 256QAM | 50 | 50 | 16.31 | 16.13 | 16.33 | 18 | 0 |
| 20 | 256QAM | 100 | 0 | 16.23 | 16.37 | 16.29 | 18 | 0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 16.35 | 16.52 | 16.28 | 18 | 0 |
| 15 | QPSK | 1 | 37 | 16.20 | 16.17 | 16.08 | 18 | 0 |
| 15 | QPSK | 1 | 74 | 16.22 | 16.31 | 16.25 | 18 | 0 |
| 15 | QPSK | 36 | 0 | 16.28 | 16.48 | 16.15 | 18 | 0 |
| 15 | QPSK | 36 | 20 | 16.39 | 16.39 | 16.19 | 18 | 0 |
| 15 | QPSK | 36 | 36 | 16.26 | 16.12 | 16.23 | 18 | 0 |
| 15 | QPSK | 75 | 0 | 16.19 | 16.39 | 16.24 | 18 | 0 |
| 15 | 16QAM | 1 | 0 | 16.17 | 16.27 | 16.16 | 18 | 0 |
| 15 | 16QAM | 1 | 37 | 16.14 | 16.13 | 16.11 | 18 | 0 |
| 15 | 16QAM | 1 | 74 | 16.08 | 16.09 | 16.07 | 18 | 0 |
| 15 | 16QAM | 36 | 0 | 16.25 | 16.35 | 16.29 | 18 | 0 |
| 15 | 16QAM | 36 | 20 | 16.38 | 16.23 | 16.28 | 18 | 0 |
| 15 | 16QAM | 36 | 36 | 16.07 | 16.30 | 16.28 | 18 | 0 |
| 15 | 16QAM | 75 | 0 | 16.14 | 16.30 | 16.17 | 18 | 0 |
| 15 | 16QAM | 1 | 0 | 16.19 | 16.39 | 16.23 | 18 | 0 |
| 15 | 16QAM | 1 | 37 | 16.17 | 16.22 | 16.21 | 18 | 0 |
| 15 | 16QAM | 1 | 74 | 16.04 | 16.11 | 16.13 | 18 | 0 |
| 15 | 16QAM | 36 | 0 | 16.25 | 16.30 | 16.19 | 18 | 0 |
| 15 | 16QAM | 36 | 20 | 16.16 | 16.11 | 16.13 | 18 | 0 |
| 15 | 16QAM | 36 | 36 | 16.02 | 16.25 | 16.08 | 18 | 0 |
| 15 | 16QAM | 75 | 0 | 16.11 | 16.27 | 16.09 | 18 | 0 |
| 15 | 256QAM | 1 | 0 | 16.42 | 16.36 | 16.23 | 18 | 0 |
| 15 | 256QAM | 1 | 37 | 16.17 | 16.16 | 16.14 | 18 | 0 |
| 15 | 256QAM | 1 | 74 | 16.08 | 16.17 | 16.24 | 18 | 0 |
| 15 | 256QAM | 36 | 0 | 16.42 | 16.44 | 16.21 | 18 | 0 |
| 15 | 256QAM | 36 | 20 | 16.21 | 16.43 | 16.18 | 18 | 0 |
| 15 | 256QAM | 36 | 36 | 16.37 | 16.05 | 16.26 | 18 | 0 |
| 15 | 256QAM | 75 | 0 | 16.19 | 16.28 | 16.28 | 18 | 0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 16.68 | 16.44 | 16.24 | 18 | 0 |
| 10 | QPSK | 1 | 25 | 16.24 | 16.19 | 16.01 | 18 | 0 |
| 10 | QPSK | 1 | 49 | 16.21 | 16.31 | 16.29 | 18 | 0 |
| 10 | QPSK | 25 | 0 | 16.35 | 16.41 | 16.25 | 18 | 0 |
| 10 | QPSK | 25 | 12 | 16.36 | 16.33 | 16.18 | 18 | 0 |
| 10 | QPSK | 25 | 25 | 16.27 | 16.15 | 16.37 | 18 | 0 |
| 10 | 16QAM | 1 | 0 | 16.22 | 16.40 | 16.26 | 18 | 0 |
| 10 | 16QAM | 1 | 0 | 16.33 | 16.11 | 16.08 | 18 | 0 |
| 10 | 16QAM | 1 | 25 | 16.21 | 16.11 | 16.06 | 18 | 0 |
| 10 | 16QAM | 1 | 49 | 16.08 | 16.02 | 16.05 | 18 | 0 |
| 10 | 16QAM | 25 | 0 | 16.31 | 16.45 | 16.30 | 18 | 0 |
| 10 | 16QAM | 25 | 12 | 16.26 | 16.27 | 16.27 | 18 | 0 |
| 10 | 16QAM | 25 | 25 | 16.04 | 16.30 | 16.15 | 18 | 0 |
| 10 | 16QAM | 50 | 0 | 16.23 | 16.44 | 16.22 | 18 | 0 |
| 10 | 16QAM | 1 | 0 | 16.24 | 16.30 | 16.24 | 18 | 0 |
| 10 | 16QAM | 1 | 25 | 16.15 | 16.32 | 16.18 | 18 | 0 |
| 10 | 16QAM | 1 | 49 | 16.11 | 16.15 | 16.18 | 18 | 0 |
| 10 | 16QAM | 25 | 0 | 16.30 | 16.29 | 16.12 | 18 | 0 |
| 10 | 16QAM | 25 | 12 | 16.17 | 16.39 | 16.26 | 18 | 0 |
| 10 | 16QAM | 25 | 25 | 16.09 | 16.29 | 16.05 | 18 | 0 |
| 10 | 16QAM | 50 | 0 | 16.01 | 16.36 | 16.29 | 18 | 0 |
| 10 | 256QAM | 1 | 25 | 16.23 | 16.26 | 16.01 | 18 | 0 |
| 10 | 256QAM | 1 | 49 | 16.19 | 16.17 | 16.28 | 18 | 0 |
| 10 | 256QAM | 25 | 0 | 16.31 | 16.52 | 16.24 | 18 | 0 |
| 10 | 256QAM | 25 | 12 | 16.35 | 16.42 | 16.17 | 18 | 0 |
| 10 | 256QAM | 25 | 25 | 16.35 | 16.02 | 16.36 | 18 | 0 |
| 10 | 256QAM | 50 | 0 | 16.29 | 16.42 | 16.11 | 18 | 0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 16.15 | 16.44 | 16.24 | 18 | 0 |
| 5 | QPSK | 1 | 12 | 16.20 | 16.21 | 16.17 | 18 | 0 |
| 5 | QPSK | 1 | 24 | 16.12 | 16.24 | 16.29 | 18 | 0 |
| 5 | QPSK | 12 | 0 | 16.40 | 16.37 | 16.19 | 18 | 0 |
| 5 | QPSK | 12 | 7 | 16.30 | 16.35 | 16.12 | 18 | 0 |
| 5 | QPSK | 12 | 13 | 16.39 | 16.02 | 16.32 | 18 | 0 |
| 5 | QPSK | 25 | 0 | 16.09 | 16.39 | 16.23 | 18 | 0 |
| 5 | 16QAM | 1 | 0 | 16.22 | 16.15 | 16.14 | 18 | 0 |
| 5 | 16QAM | 1 | 12 | 16.19 | 16.11 | 16.02 | 18 | 0 |
| 5 | 16QAM | 1 | 24 | 16.06 | 16.11 | 16.13 | 18 | 0 |
| 5 | 16QAM | 12 | 0 | 16.31 | 16.39 | 16.23 | 18 | 0 |
| 5 | 16QAM | 12 | 7 | 16.38 | 16.28 | 16.19 | 18 | 0 |
| 5 | 16QAM | 12 | 13 | 16.08 | 16.29 | 16.15 | 18 | 0 |
| 5 | 16QAM | 25 | 0 | 16.16 | 16.40 | 16.19 | 18 | 0 |
| 5 | 16QAM | 1 | 0 | 16.21 | 16.37 | 16.26 | 18 | 0 |
| 5 | 16QAM | 1 | 12 | 16.25 | 16.25 | 16.13 | 18 | 0 |
| 5 | 16QAM | 1 | 24 | 16.14 | 16.16 | 16.13 | 18 | 0 |
| 5 | 16QAM | 12 | 0 | 16.19 | 16.29 | 16.17 | 18 | 0 |
| 5 | 16QAM | 12 | 7 | 16.21 | 16.49 | 16.14 | 18 | 0 |
| 5 | 16QAM | 12 | 13 | 16.00 | 16.29 | 16.05 | 18 | 0 |
| 5 | 16QAM | 25 | 0 | 16.09 | 16.39 | 16.15 | 18 | 0 |
| 5 | 256QAM | 1 | 0 | 16.46 | 16.44 | 16.29 | 18 | 0 |
| 5 | 256QAM | 1 | 12 | 16.14 | 16.11 | 16.06 | 18 | 0 |
| 5 | 256QAM | 1 | 24 | 16.21 | 16.16 | 16.23 | 18 | 0 |
| 5 | 256QAM | 12 | 0 | 16.46 | 16.33 | 16.29 | 18 | 0 |
| 5 | 256QAM | 12 | 7 | 16.31 | 16.34 | 16.18 | 18 | 0 |
| 5 | 256QAM | 25 | 0 | 16.29 | 16.32 | 16.22 | 18 | 0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 3 | QPSK | 1 | 0 | 16.45 | 16.38 | 16.24 | 18 | 0 |
| 3 | QPSK | 1 | 8 | 16.14 | 16.25 | 16.07 | 18 | 0 |
| 3 | QPSK | 1 | 14 | 16.24 | 16.16 | 16.15 | 18 | 0 |
| 3 | QPSK | 8 | 0 | 16.41 | 16.38 | 16.12 | 18 | 0 |
| 3 | QPSK | 8 | 4 | 16.25 | 16.31 | 16.24 | 18 | 0 |
| 3 | QPSK | 8 | 7 | 16.41 | 16.08 | 16.22 | 18 | 0 |
| 3 | QPSK | 15 | 0 | 16.14 | 16.28 | 16.21 | 18 | 0 |
| 3 | 16QAM | 1 | 0 | 16.20 | 16.00 | 16.03 | 18 | 0 |
| 3 | 16QAM | 1 | 8 | 16.13 | 16.09 | 16.02 | 18 | 0 |
| 3 | 16QAM | 1 | 14 | 16.06 | 16.05 | 16.05 | 18 | 0 |
| 3 | 16QAM | 8 | 0 | 16.27 | 16.44 | 16.21 | 18 | 0 |
| 3 | 16QAM | 8 | 4 | 16.38 | 16.24 | 16.17 | 18 | 0 |
| 3 | 16QAM | 8 | 7 | 16.12 | 16.26 | 16.22 | 18 | 0 |
| 3 | 16QAM | 15 | 0 | 16.18 | 16.36 | 16.17 | 18 | 0 |
| 3 | 16QAM | 1 | 0 | 16.40 | 16.39 | 16.24 | 18 | 0 |
| 3 | 16QAM | 1 | 8 | 16.17 | 16.27 | 16.19 | 18 | 0 |
| 3 | 16QAM | 1 | 14 | 16.10 | 16.13 | 16.12 | 18 | 0 |
| 3 | 16QAM | 8 | 0 | 16.29 | 16.27 | 16.19 | 18 | 0 |
| 3 | 16QAM | 8 | 4 | 16.19 | 16.14 | 16.14 | 18 | 0 |
| 3 | 16QAM | 8 | 7 | 16.03 | 16.26 | 16.06 | 18 | 0 |
| 3 | 16QAM | 15 | 0 | 16.08 | 16.25 | 16.19 | 18 | 0 |
| 3 | 256QAM | 1 | 0 | 16.34 | 16.43 | 16.21 | 18 | 0 |
| 3 | 256QAM | 1 | 8 | 16.21 | 16.29 | 16.04 | 18 | 0 |
| 3 | 256QAM | 1 | 14 | 16.23 | 16.37 | 16.28 | 18 | 0 |
| 3 | 256QAM | 8 | 0 | 16.42 | 16.37 | 16.17 | 18 | 0 |
| 3 | 256QAM | 8 | 4 | 16.26 | 16.48 | 16.15 | 18 | 0 |
| 3 | 256QAM | 8 | 7 | 16.27 | 16.56 | 16.19 | | |



DSI 1 Power for WWAN Other PA

| Band 5 Ant0 | | | | | | | | | |
|-----------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch./Freq. (2040) | Power Middle Ch./Freq. (2052) | Power High Ch./Freq. (2060) | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | | |
| 10 | QPSK | 1 | 0 | 24.82 | 24.85 | 24.77 | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.74 | 24.73 | 24.69 | | | |
| 10 | QPSK | 1 | 49 | 24.68 | 24.68 | 24.61 | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.75 | 23.66 | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 23.64 | 23.85 | 23.64 | | | |
| 10 | QPSK | 25 | 25 | 23.67 | 23.58 | 23.65 | | | |
| 10 | QPSK | 50 | 0 | 23.59 | 23.72 | 23.62 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 0 | 23.73 | 23.86 | 23.73 | | | |
| 10 | 16QAM | 1 | 25 | 23.74 | 23.80 | 23.71 | | | |
| 10 | 16QAM | 1 | 49 | 23.70 | 23.76 | 23.67 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 0 | 22.79 | 22.91 | 22.78 | | | |
| 10 | 16QAM | 25 | 12 | 22.70 | 22.77 | 22.71 | | | |
| 10 | 16QAM | 25 | 25 | 22.86 | 22.71 | 22.86 | 23.5 | 2 | |
| 10 | 16QAM | 50 | 0 | 22.69 | 22.80 | 22.70 | | | |
| 10 | 64QAM | 1 | 0 | 22.74 | 22.84 | 22.71 | | | |
| 10 | 64QAM | 1 | 25 | 22.61 | 22.76 | 22.70 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.59 | 22.69 | 22.62 | | | |
| 10 | 64QAM | 25 | 0 | 21.79 | 21.89 | 21.79 | | | |
| 10 | 64QAM | 25 | 12 | 21.85 | 21.76 | 21.89 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 21.71 | 21.82 | 21.72 | | | |
| 10 | 64QAM | 50 | 0 | 21.68 | 21.81 | 21.73 | | | |
| 10 | 256QAM | 1 | 0 | 19.82 | 19.85 | 19.58 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 25 | 19.42 | 19.56 | 19.47 | | | |
| 10 | 256QAM | 1 | 49 | 19.42 | 19.52 | 19.41 | | | |
| 10 | 256QAM | 25 | 0 | 19.54 | 19.60 | 19.52 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 12 | 19.44 | 19.54 | 19.39 | | | |
| 10 | 256QAM | 25 | 25 | 19.36 | 19.47 | 19.33 | | | |
| 10 | 256QAM | 50 | 0 | 19.45 | 19.52 | 19.37 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 20425 | 20525 | 20625 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | | |
| 5 | QPSK | 1 | 0 | 24.73 | 24.77 | 24.64 | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.61 | 24.66 | 24.57 | | | |
| 5 | QPSK | 1 | 24 | 24.61 | 24.54 | 24.54 | | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.67 | 23.56 | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.68 | 23.54 | 23.55 | | | |
| 5 | QPSK | 12 | 13 | 23.54 | 23.43 | 23.58 | | | |
| 5 | QPSK | 25 | 0 | 23.46 | 23.58 | 23.55 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 0 | 23.64 | 23.80 | 23.67 | | | |
| 5 | 16QAM | 1 | 12 | 23.62 | 23.73 | 23.60 | | | |
| 5 | 16QAM | 1 | 24 | 23.62 | 23.63 | 23.58 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 0 | 22.67 | 22.82 | 22.65 | | | |
| 5 | 16QAM | 12 | 7 | 22.63 | 22.63 | 22.60 | | | |
| 5 | 16QAM | 12 | 13 | 22.54 | 22.82 | 22.57 | 23.5 | 2 | |
| 5 | 16QAM | 25 | 0 | 22.63 | 22.69 | 22.60 | | | |
| 5 | 64QAM | 1 | 0 | 22.68 | 22.74 | 22.63 | | | |
| 5 | 64QAM | 1 | 12 | 22.51 | 22.64 | 22.58 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 22.47 | 22.59 | 22.50 | | | |
| 5 | 64QAM | 12 | 0 | 21.67 | 21.77 | 21.71 | | | |
| 5 | 64QAM | 12 | 7 | 21.68 | 21.62 | 21.60 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.86 | 21.88 | 21.61 | | | |
| 5 | 64QAM | 25 | 0 | 21.60 | 21.75 | 21.61 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.56 | 19.44 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.49 | 19.38 | | | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.44 | 19.29 | | | |
| 5 | 256QAM | 12 | 0 | 19.46 | 19.45 | 19.41 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.33 | 19.45 | 19.33 | | | |
| 5 | 256QAM | 12 | 13 | 19.27 | 19.40 | 19.20 | | | |
| 5 | 256QAM | 25 | 0 | 19.32 | 19.41 | 19.28 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | | |
| 3 | QPSK | 1 | 0 | 24.77 | 24.77 | 24.65 | 25.5 | 0 | |
| 3 | QPSK | 1 | 8 | 24.65 | 24.63 | 24.55 | | | |
| 3 | QPSK | 1 | 14 | 24.54 | 24.54 | 24.52 | | | |
| 3 | QPSK | 8 | 0 | 23.50 | 23.68 | 23.55 | 24.5 | 1 | |
| 3 | QPSK | 8 | 4 | 23.50 | 23.60 | 23.59 | | | |
| 3 | QPSK | 8 | 7 | 23.56 | 23.52 | 23.52 | | | |
| 3 | QPSK | 15 | 0 | 23.51 | 23.57 | 23.48 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 0 | 23.66 | 23.81 | 23.59 | | | |
| 3 | 16QAM | 1 | 8 | 23.60 | 23.67 | 23.60 | | | |
| 3 | 16QAM | 1 | 14 | 23.62 | 23.62 | 23.60 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 0 | 22.71 | 22.85 | 22.72 | | | |
| 3 | 16QAM | 8 | 4 | 22.56 | 22.70 | 22.65 | | | |
| 3 | 16QAM | 8 | 7 | 22.55 | 22.57 | 22.53 | 23.5 | 2 | |
| 3 | 16QAM | 15 | 0 | 22.58 | 22.67 | 22.65 | | | |
| 3 | 64QAM | 1 | 0 | 22.60 | 22.78 | 22.61 | | | |
| 3 | 64QAM | 1 | 8 | 22.52 | 22.70 | 22.59 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 22.45 | 22.63 | 22.50 | | | |
| 3 | 64QAM | 8 | 0 | 21.68 | 21.80 | 21.67 | | | |
| 3 | 64QAM | 8 | 4 | 21.51 | 21.64 | 21.57 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.57 | 21.68 | 21.61 | | | |
| 3 | 64QAM | 15 | 0 | 21.60 | 21.70 | 21.65 | | | |
| 3 | 256QAM | 1 | 0 | 19.42 | 19.50 | 19.52 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 8 | 19.32 | 19.44 | 19.33 | | | |
| 3 | 256QAM | 1 | 14 | 19.35 | 19.45 | 19.36 | | | |
| 3 | 256QAM | 8 | 0 | 19.47 | 19.51 | 19.44 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 4 | 19.39 | 19.47 | 19.33 | | | |
| 3 | 256QAM | 8 | 7 | 19.27 | 19.38 | 19.23 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.41 | 19.24 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | | |
| 1.4 | QPSK | 1 | 0 | 24.74 | 24.78 | 24.64 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 24.63 | 24.67 | 24.54 | | | |
| 1.4 | QPSK | 1 | 5 | 24.61 | 24.55 | 24.50 | | | |
| 1.4 | QPSK | 3 | 0 | 23.56 | 23.68 | 23.59 | 24.5 | 1 | |
| 1.4 | QPSK | 3 | 1 | 23.51 | 23.57 | 23.52 | | | |
| 1.4 | QPSK | 3 | 3 | 23.55 | 23.51 | 23.59 | | | |
| 1.4 | QPSK | 6 | 0 | 23.46 | 23.62 | 23.49 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 0 | 23.61 | 23.79 | 23.58 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.66 | 23.69 | 23.62 | | | |
| 1.4 | 16QAM | 1 | 5 | 23.60 | 23.65 | 23.56 | 24.5 | 1 | |
| 1.4 | 16QAM | 3 | 0 | 23.59 | 23.75 | 23.64 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.64 | 23.67 | 23.63 | | | |
| 1.4 | 16QAM | 3 | 3 | 23.55 | 23.63 | 23.52 | 23.5 | 2 | |
| 1.4 | 16QAM | 6 | 0 | 22.74 | 22.81 | 22.69 | | | |
| 1.4 | 64QAM | 1 | 0 | 22.63 | 22.69 | 22.66 | | | |
| 1.4 | 64QAM | 1 | 3 | 22.57 | 22.58 | 22.53 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 5 | 22.56 | 22.71 | 22.56 | | | |
| 1.4 | 64QAM | 3 | 0 | 22.64 | 22.77 | 22.63 | | | |
| 1.4 | 64QAM | 3 | 1 | 22.49 | 22.66 | 22.59 | 22.5 | 3 | |
| 1.4 | 64QAM | 3 | 3 | 22.49 | 22.61 | 22.48 | | | |
| 1.4 | 64QAM | 6 | 0 | 21.70 | 21.76 | 21.64 | | | |
| 1.4 | 256QAM | 1 | 0 | 19.47 | 19.55 | 19.51 | 20.5 | 5 | |
| 1.4 | 256QAM | 1 | 3 | 19.34 | 19.42 | 19.38 | | | |
| 1.4 | 256QAM | 1 | 5 | 19.30 | 19.42 | 19.30 | | | |
| 1.4 | 256QAM | 3 | 0 | 19.40 | 19.49 | 19.38 | 20.5 | 5 | |
| 1.4 | 256QAM | 3 | 1 | 19.32 | 19.41 | 19.27 | | | |
| 1.4 | 256QAM | 3 | 3 | 19.22 | 19.32 | 19.19 | | | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.32 | | | |



| Band 4 Other PA Ant1 DS11 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|----------------|----------------|----------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Ch./Frac | Power Ch./Frac | Power Ch./Frac | Time-up limit (dBm) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 24.00 | 24.13 | 24.07 | 25 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.88 | 23.84 | 23.81 | 25 | 0 | | |
| 20 | QPSK | 1 | 99 | 23.83 | 23.84 | 23.81 | 25 | 0 | | |
| 20 | QPSK | 50 | 0 | 23.31 | 23.33 | 23.33 | 24.5 | 0.5 | | |
| 20 | QPSK | 50 | 24 | 23.30 | 23.43 | 23.40 | 24.5 | 0.5 | | |
| 20 | QPSK | 50 | 50 | 23.32 | 23.36 | 23.28 | 24.5 | 0.5 | | |
| 20 | QPSK | 100 | 0 | 23.27 | 23.46 | 23.36 | 24.5 | 0.5 | | |
| 20 | QPSK | 100 | 24 | 23.32 | 23.45 | 23.40 | 24.5 | 0.5 | | |
| 20 | HQAM | 1 | 49 | 23.32 | 23.39 | 23.33 | 24.5 | 0.5 | | |
| 20 | HQAM | 1 | 99 | 23.24 | 23.35 | 23.30 | 24.5 | 0.5 | | |
| 20 | HQAM | 50 | 0 | 22.41 | 22.55 | 22.44 | 23.5 | 1.5 | | |
| 20 | HQAM | 50 | 24 | 22.31 | 22.41 | 22.27 | 23.5 | 1.5 | | |
| 20 | HQAM | 100 | 0 | 22.21 | 22.35 | 22.26 | 23.5 | 1.5 | | |
| 20 | HQAM | 100 | 0 | 22.44 | 22.50 | 22.36 | 23.5 | 1.5 | | |
| 20 | HQAM | 1 | 0 | 22.37 | 22.52 | 22.49 | 23.5 | 1.5 | | |
| 20 | HQAM | 1 | 49 | 22.30 | 22.44 | 22.39 | 23.5 | 1.5 | | |
| 20 | HQAM | 1 | 99 | 22.24 | 22.37 | 22.31 | 23.5 | 1.5 | | |
| 20 | HQAM | 50 | 0 | 21.41 | 21.46 | 21.38 | 22.5 | 2.5 | | |
| 20 | HQAM | 50 | 24 | 21.27 | 21.39 | 21.31 | 22.5 | 2.5 | | |
| 20 | HQAM | 100 | 0 | 21.30 | 21.41 | 21.36 | 22.5 | 2.5 | | |
| 20 | HQAM | 100 | 0 | 21.41 | 21.49 | 21.44 | 22.5 | 2.5 | | |
| 20 | HQAM | 1 | 49 | 19.29 | 19.40 | 19.38 | 20.5 | 4.5 | | |
| 20 | HQAM | 1 | 99 | 19.24 | 19.36 | 19.28 | 20.5 | 4.5 | | |
| 20 | HQAM | 50 | 0 | 19.46 | 19.44 | 19.34 | 20.5 | 4.5 | | |
| 20 | HQAM | 50 | 24 | 19.30 | 19.38 | 19.25 | 20.5 | 4.5 | | |
| 20 | HQAM | 100 | 0 | 19.27 | 19.31 | 19.18 | 20.5 | 4.5 | | |
| 20 | HQAM | 100 | 0 | 19.24 | 19.38 | 19.20 | 20.5 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.26 | 23.40 | 23.31 | 25 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.18 | 23.15 | 23.16 | 25 | 0 | | |
| 15 | QPSK | 1 | 74 | 23.73 | 23.65 | 23.72 | 25 | 0 | | |
| 15 | QPSK | 36 | 39 | 23.27 | 23.28 | 23.28 | 24.5 | 0.5 | | |
| 15 | QPSK | 36 | 39 | 23.24 | 23.28 | 23.35 | 24.5 | 0.5 | | |
| 15 | QPSK | 36 | 39 | 23.27 | 23.22 | 23.23 | 24.5 | 0.5 | | |
| 15 | HQAM | 1 | 0 | 23.28 | 23.38 | 23.24 | 24.5 | 0.5 | | |
| 15 | HQAM | 1 | 37 | 23.22 | 23.29 | 23.19 | 24.5 | 0.5 | | |
| 15 | HQAM | 1 | 74 | 23.18 | 23.42 | 23.23 | 24.5 | 0.5 | | |
| 15 | HQAM | 36 | 0 | 22.31 | 22.50 | 22.37 | 23.5 | 1.5 | | |
| 15 | HQAM | 36 | 20 | 22.23 | 22.38 | 22.18 | 23.5 | 1.5 | | |
| 15 | HQAM | 36 | 39 | 22.23 | 22.25 | 22.22 | 23.5 | 1.5 | | |
| 15 | HQAM | 75 | 0 | 22.53 | 22.57 | 22.27 | 23.5 | 1.5 | | |
| 15 | HQAM | 1 | 0 | 22.34 | 22.43 | 22.38 | 23.5 | 1.5 | | |
| 15 | HQAM | 1 | 37 | 22.32 | 22.39 | 22.33 | 23.5 | 1.5 | | |
| 15 | HQAM | 1 | 74 | 22.21 | 22.24 | 22.24 | 23.5 | 1.5 | | |
| 15 | HQAM | 36 | 0 | 21.34 | 21.35 | 21.24 | 22.5 | 2.5 | | |
| 15 | HQAM | 36 | 20 | 21.38 | 21.43 | 21.27 | 22.5 | 2.5 | | |
| 15 | HQAM | 36 | 39 | 21.18 | 21.34 | 21.27 | 22.5 | 2.5 | | |
| 15 | HQAM | 75 | 0 | 21.21 | 21.31 | 21.25 | 22.5 | 2.5 | | |
| 15 | HQAM | 1 | 0 | 19.18 | 19.44 | 19.24 | 20.5 | 4.5 | | |
| 15 | HQAM | 1 | 37 | 19.18 | 19.26 | 19.28 | 20.5 | 4.5 | | |
| 15 | HQAM | 1 | 74 | 19.14 | 19.25 | 19.20 | 20.5 | 4.5 | | |
| 15 | HQAM | 36 | 0 | 19.32 | 19.37 | 19.27 | 20.5 | 4.5 | | |
| 15 | HQAM | 36 | 20 | 19.27 | 19.33 | 19.18 | 20.5 | 4.5 | | |
| 15 | HQAM | 36 | 39 | 19.19 | 19.27 | 19.10 | 20.5 | 4.5 | | |
| 15 | HQAM | 75 | 0 | 19.11 | 19.32 | 19.20 | 20.5 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.02 | 24.10 | 24.05 | 25 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.67 | 23.72 | 23.73 | 25 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.72 | 23.70 | 23.79 | 25 | 0 | | |
| 10 | QPSK | 36 | 12 | 23.28 | 23.44 | 23.18 | 24.5 | 0.5 | | |
| 10 | QPSK | 36 | 12 | 23.29 | 23.28 | 23.28 | 24.5 | 0.5 | | |
| 10 | QPSK | 36 | 12 | 23.20 | 23.25 | 23.18 | 24.5 | 0.5 | | |
| 10 | HQAM | 1 | 0 | 23.38 | 23.42 | 23.23 | 24.5 | 0.5 | | |
| 10 | HQAM | 1 | 0 | 23.19 | 23.32 | 23.28 | 24.5 | 0.5 | | |
| 10 | HQAM | 1 | 49 | 23.27 | 23.31 | 23.20 | 24.5 | 0.5 | | |
| 10 | HQAM | 1 | 99 | 23.27 | 23.27 | 23.20 | 24.5 | 0.5 | | |
| 10 | HQAM | 50 | 0 | 22.33 | 22.44 | 22.34 | 23.5 | 1.5 | | |
| 10 | HQAM | 50 | 12 | 22.19 | 22.28 | 22.14 | 23.5 | 1.5 | | |
| 10 | HQAM | 50 | 24 | 22.22 | 22.30 | 22.22 | 23.5 | 1.5 | | |
| 10 | HQAM | 100 | 0 | 22.39 | 22.41 | 22.25 | 23.5 | 1.5 | | |
| 10 | HQAM | 1 | 0 | 22.27 | 22.41 | 22.41 | 23.5 | 1.5 | | |
| 10 | HQAM | 1 | 49 | 22.29 | 22.33 | 22.25 | 23.5 | 1.5 | | |
| 10 | HQAM | 1 | 99 | 22.18 | 22.32 | 22.25 | 23.5 | 1.5 | | |
| 10 | HQAM | 50 | 0 | 21.35 | 21.39 | 21.29 | 22.5 | 2.5 | | |
| 10 | HQAM | 50 | 12 | 21.08 | 21.24 | 21.24 | 22.5 | 2.5 | | |
| 10 | HQAM | 50 | 25 | 21.22 | 21.25 | 21.24 | 22.5 | 2.5 | | |
| 10 | HQAM | 100 | 0 | 21.17 | 21.35 | 21.24 | 22.5 | 2.5 | | |
| 10 | HQAM | 100 | 0 | 21.27 | 21.43 | 21.35 | 22.5 | 2.5 | | |
| 10 | HQAM | 1 | 0 | 19.27 | 19.43 | 19.35 | 20.5 | 4.5 | | |
| 10 | HQAM | 1 | 25 | 19.23 | 19.27 | 19.22 | 20.5 | 4.5 | | |
| 10 | HQAM | 1 | 49 | 19.12 | 19.28 | 19.14 | 20.5 | 4.5 | | |
| 10 | HQAM | 1 | 99 | 19.34 | 19.30 | 19.20 | 20.5 | 4.5 | | |
| 10 | HQAM | 50 | 0 | 19.17 | 19.19 | 19.06 | 20.5 | 4.5 | | |
| 10 | HQAM | 50 | 0 | 19.17 | 19.24 | 19.21 | 20.5 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.75 | 23.85 | 23.80 | 25 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.84 | 23.79 | 23.89 | 25 | 0 | | |
| 5 | QPSK | 1 | 24 | 23.64 | 23.81 | 23.71 | 25 | 0 | | |
| 5 | QPSK | 12 | 0 | 23.17 | 23.46 | 23.21 | 24.5 | 0.5 | | |
| 5 | QPSK | 12 | 7 | 23.27 | 23.24 | 23.28 | 24.5 | 0.5 | | |
| 5 | QPSK | 12 | 13 | 23.23 | 23.22 | 23.16 | 24.5 | 0.5 | | |
| 5 | QPSK | 12 | 13 | 23.20 | 23.42 | 23.23 | 24.5 | 0.5 | | |
| 5 | HQAM | 1 | 0 | 23.25 | 23.31 | 23.24 | 24.5 | 0.5 | | |
| 5 | HQAM | 1 | 12 | 23.17 | 23.33 | 23.21 | 24.5 | 0.5 | | |
| 5 | HQAM | 1 | 24 | 23.19 | 23.29 | 23.23 | 24.5 | 0.5 | | |
| 5 | HQAM | 12 | 0 | 22.29 | 22.43 | 22.34 | 23.5 | 1.5 | | |
| 5 | HQAM | 12 | 7 | 22.20 | 22.34 | 22.20 | 23.5 | 1.5 | | |
| 5 | HQAM | 12 | 13 | 22.10 | 22.25 | 22.12 | 23.5 | 1.5 | | |
| 5 | HQAM | 25 | 0 | 22.30 | 22.40 | 22.28 | 23.5 | 1.5 | | |
| 5 | HQAM | 1 | 0 | 22.22 | 22.41 | 22.39 | 23.5 | 1.5 | | |
| 5 | HQAM | 1 | 12 | 22.34 | 22.37 | 22.30 | 23.5 | 1.5 | | |
| 5 | HQAM | 1 | 24 | 22.13 | 22.28 | 22.20 | 23.5 | 1.5 | | |
| 5 | HQAM | 12 | 0 | 21.30 | 21.34 | 21.28 | 22.5 | 2.5 | | |
| 5 | HQAM | 12 | 7 | 21.04 | 21.20 | 21.18 | 22.5 | 2.5 | | |
| 5 | HQAM | 12 | 13 | 21.21 | 21.29 | 21.20 | 22.5 | 2.5 | | |
| 5 | HQAM | 25 | 0 | 21.24 | 21.28 | 21.22 | 22.5 | 2.5 | | |
| 5 | HQAM | 1 | 0 | 19.28 | 19.43 | 19.38 | 20.5 | 4.5 | | |
| 5 | HQAM | 1 | 12 | 19.23 | 19.31 | 19.22 | 20.5 | 4.5 | | |
| 5 | HQAM | 1 | 24 | 19.30 | 19.22 | 19.19 | 20.5 | 4.5 | | |
| 5 | HQAM | 12 | 0 | 19.35 | 19.37 | 19.25 | 20.5 | 4.5 | | |
| 5 | HQAM | 12 | 7 | 19.24 | 19.31 | 19.19 | 20.5 | 4.5 | | |
| 5 | HQAM | 12 | 13 | 19.15 | 19.28 | 19.24 | 20.5 | 4.5 | | |
| 5 | HQAM | 25 | 0 | 19.11 | 19.30 | 19.18 | 20.5 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.03 | 24.10 | 24.05 | 25 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 23.89 | 24.08 | 23.90 | 25 | 0 | | |
| 1.4 | QPSK | 1 | 6 | 23.78 | 24.10 | 24.10 | 25 | 0 | | |
| 1.4 | QPSK | 3 | 0 | 23.65 | 23.65 | 23.65 | 24.5 | 0.5 | | |
| 1.4 | QPSK | 3 | 1 | 23.82 | 23.84 | 23.81 | 24.5 | 0.5 | | |
| 1.4 | QPSK | 3 | 23 | 23.79 | 23.77 | 23.77 | 24.5 | 0.5 | | |
| 1.4 | QPSK | 6 | 0 | 23.19 | 23.40 | 23.23 | 24.5 | 0.5 | | |
| 1.4 | HQAM | 1 | 0 | 23.31 | 23.32 | 23.32 | 24.5 | 0.5 | | |
| 1.4 | HQAM | 1 | 5 | 23.22 | 23.22 | 23.14 | 24.5 | 0.5 | | |
| 1.4 | HQAM | 1 | 5 | 23.25 | 23.39 | 23.30 | 24.5 | 0.5 | | |
| 1.4 | | | | | | | | | | |



Band 4 Other PA Ant2 DSH1

| SW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPE (dB) |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 21.34 | 21.39 | 21.38 | 22 | 0 |
| 20 | QPSK | 1 | 49 | 21.03 | 21.24 | 21.25 | | |
| 20 | QPSK | 1 | 99 | 21.09 | 21.15 | 21.27 | | |
| 20 | QPSK | 50 | 0 | 21.32 | 21.34 | 21.36 | | |
| 20 | QPSK | 50 | 24 | 21.18 | 21.22 | 21.14 | | |
| 20 | QPSK | 50 | 50 | 21.09 | 21.03 | 21.27 | | |
| 20 | QPSK | 100 | 0 | 21.26 | 21.31 | 21.28 | | |
| 20 | 16QAM | 1 | 0 | 21.15 | 21.08 | 20.97 | | |
| 20 | 16QAM | 1 | 49 | 21.16 | 20.92 | 21.00 | | |
| 20 | 16QAM | 1 | 99 | 21.01 | 21.03 | 21.13 | | |
| 20 | 16QAM | 50 | 0 | 21.01 | 21.11 | 21.30 | | |
| 20 | 16QAM | 50 | 24 | 21.07 | 21.14 | 21.31 | | |
| 20 | 16QAM | 50 | 50 | 21.31 | 21.17 | 21.18 | | |
| 20 | 16QAM | 100 | 0 | 21.00 | 21.18 | 21.18 | | |
| 20 | 84QAM | 1 | 0 | 21.13 | 21.12 | 21.34 | | |
| 20 | 84QAM | 1 | 49 | 21.17 | 21.33 | 21.38 | | |
| 20 | 84QAM | 1 | 99 | 21.18 | 21.14 | 21.11 | | |
| 20 | 84QAM | 50 | 0 | 20.52 | 20.62 | 20.50 | | |
| 20 | 84QAM | 50 | 24 | 20.38 | 20.49 | 20.38 | | |
| 20 | 84QAM | 50 | 50 | 20.45 | 20.55 | 20.49 | | |
| 20 | 84QAM | 100 | 0 | 20.52 | 20.58 | 20.51 | | |
| 20 | 256QAM | 1 | 0 | 18.48 | 18.58 | 18.50 | | |
| 20 | 256QAM | 1 | 49 | 18.43 | 18.49 | 18.40 | | |
| 20 | 256QAM | 1 | 99 | 18.37 | 18.45 | 18.39 | | |
| 20 | 256QAM | 50 | 0 | 18.43 | 18.50 | 18.43 | | |
| 20 | 256QAM | 50 | 24 | 18.36 | 18.44 | 18.38 | | |
| 20 | 256QAM | 50 | 50 | 18.28 | 18.37 | 18.29 | | |
| 20 | 256QAM | 100 | 0 | 18.32 | 18.44 | 18.38 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 21.21 | 21.24 | 21.22 | | |
| 15 | QPSK | 1 | 37 | 21.13 | 21.19 | 21.14 | | |
| 15 | QPSK | 1 | 74 | 21.08 | 21.04 | 21.19 | | |
| 15 | QPSK | 36 | 0 | 21.21 | 21.19 | 21.22 | | |
| 15 | QPSK | 36 | 20 | 21.07 | 21.09 | 21.02 | | |
| 15 | QPSK | 36 | 39 | 20.99 | 20.99 | 21.13 | | |
| 15 | QPSK | 75 | 0 | 21.24 | 21.21 | 21.17 | | |
| 15 | 16QAM | 1 | 0 | 20.95 | 20.92 | 20.90 | | |
| 15 | 16QAM | 1 | 37 | 21.07 | 20.77 | 20.83 | | |
| 15 | 16QAM | 1 | 74 | 20.84 | 20.92 | 21.08 | | |
| 15 | 16QAM | 36 | 0 | 20.89 | 21.05 | 21.17 | | |
| 15 | 16QAM | 36 | 20 | 20.99 | 21.13 | 21.28 | | |
| 15 | 16QAM | 36 | 39 | 21.30 | 21.07 | 20.98 | | |
| 15 | 16QAM | 75 | 0 | 20.83 | 21.12 | 21.12 | | |
| 15 | 84QAM | 1 | 0 | 21.10 | 20.99 | 21.31 | | |
| 15 | 84QAM | 1 | 37 | 21.00 | 21.23 | 21.23 | | |
| 15 | 84QAM | 1 | 74 | 21.08 | 20.99 | 21.05 | | |
| 15 | 84QAM | 36 | 0 | 20.40 | 20.53 | 20.38 | | |
| 15 | 84QAM | 36 | 20 | 20.29 | 20.36 | 20.22 | | |
| 15 | 84QAM | 36 | 39 | 20.37 | 20.50 | 20.41 | | |
| 15 | 84QAM | 75 | 0 | 20.37 | 20.49 | 20.40 | | |
| 15 | 256QAM | 1 | 0 | 18.42 | 18.44 | 18.44 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.38 | 18.27 | | |
| 15 | 256QAM | 1 | 74 | 18.26 | 18.38 | 18.31 | | |
| 15 | 256QAM | 36 | 0 | 18.28 | 18.37 | 18.36 | | |
| 15 | 256QAM | 36 | 20 | 18.24 | 18.37 | 18.30 | | |
| 15 | 256QAM | 36 | 39 | 18.20 | 18.28 | 18.16 | | |
| 15 | 256QAM | 75 | 0 | 18.25 | 18.37 | 18.22 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 21.32 | 21.27 | 21.18 | | |
| 10 | QPSK | 1 | 25 | 21.05 | 21.04 | 21.13 | | |
| 10 | QPSK | 1 | 49 | 21.01 | 21.11 | 21.24 | | |
| 10 | QPSK | 25 | 0 | 21.08 | 21.27 | 21.28 | | |
| 10 | QPSK | 25 | 12 | 21.04 | 21.08 | 21.07 | | |
| 10 | QPSK | 25 | 25 | 21.05 | 20.84 | 21.19 | | |
| 10 | QPSK | 50 | 0 | 21.22 | 21.21 | 21.14 | | |
| 10 | 16QAM | 1 | 0 | 20.98 | 20.91 | 20.89 | | |
| 10 | 16QAM | 1 | 25 | 20.98 | 20.86 | 20.83 | | |
| 10 | 16QAM | 1 | 49 | 20.86 | 20.93 | 21.01 | | |
| 10 | 16QAM | 25 | 0 | 20.83 | 21.11 | 21.28 | | |
| 10 | 16QAM | 25 | 12 | 20.91 | 21.12 | 21.25 | | |
| 10 | 16QAM | 25 | 25 | 21.18 | 20.98 | 21.14 | | |
| 10 | 16QAM | 50 | 0 | 20.91 | 21.07 | 21.09 | | |
| 10 | 84QAM | 1 | 0 | 21.09 | 20.96 | 21.20 | | |
| 10 | 84QAM | 1 | 25 | 21.04 | 21.21 | 21.28 | | |
| 10 | 84QAM | 1 | 49 | 21.03 | 21.02 | 20.96 | | |
| 10 | 84QAM | 25 | 0 | 20.39 | 20.53 | 20.43 | | |
| 10 | 84QAM | 25 | 12 | 20.29 | 20.43 | 20.22 | | |
| 10 | 84QAM | 25 | 25 | 20.38 | 20.47 | 20.41 | | |
| 10 | 84QAM | 50 | 0 | 20.43 | 20.43 | 20.36 | | |
| 10 | 256QAM | 1 | 0 | 18.39 | 18.48 | 18.44 | | |
| 10 | 256QAM | 1 | 25 | 18.30 | 18.39 | 18.30 | | |
| 10 | 256QAM | 1 | 49 | 18.28 | 18.37 | 18.32 | | |
| 10 | 256QAM | 25 | 0 | 18.36 | 18.42 | 18.31 | | |
| 10 | 256QAM | 25 | 12 | 18.23 | 18.32 | 18.23 | | |
| 10 | 256QAM | 25 | 25 | 18.18 | 18.23 | 18.21 | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.31 | 18.23 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 21.27 | 21.28 | 21.26 | | |
| 5 | QPSK | 1 | 12 | 21.08 | 21.12 | 21.15 | | |
| 5 | QPSK | 1 | 24 | 21.07 | 20.97 | 21.12 | | |
| 5 | QPSK | 12 | 0 | 21.18 | 21.33 | 21.22 | | |
| 5 | QPSK | 12 | 7 | 21.17 | 21.20 | 21.04 | | |
| 5 | QPSK | 12 | 13 | 20.99 | 20.86 | 21.20 | | |
| 5 | QPSK | 25 | 0 | 21.17 | 21.28 | 21.28 | | |
| 5 | 16QAM | 1 | 0 | 21.07 | 21.03 | 20.86 | | |
| 5 | 16QAM | 1 | 12 | 21.09 | 20.85 | 20.91 | | |
| 5 | 16QAM | 1 | 24 | 20.92 | 20.93 | 21.10 | | |
| 5 | 16QAM | 12 | 0 | 21.00 | 21.11 | 21.17 | | |
| 5 | 16QAM | 12 | 7 | 20.95 | 21.00 | 21.20 | | |
| 5 | 16QAM | 12 | 13 | 21.09 | 21.03 | 21.03 | | |
| 5 | 16QAM | 25 | 0 | 20.96 | 21.01 | 20.98 | | |
| 5 | 84QAM | 1 | 0 | 20.95 | 21.05 | 21.17 | | |
| 5 | 84QAM | 1 | 12 | 21.10 | 21.32 | 21.30 | | |
| 5 | 84QAM | 1 | 24 | 21.02 | 21.14 | 20.99 | | |
| 5 | 84QAM | 12 | 0 | 20.39 | 20.49 | 20.37 | | |
| 5 | 84QAM | 12 | 7 | 20.33 | 20.42 | 20.29 | | |
| 5 | 84QAM | 12 | 13 | 20.37 | 20.42 | 20.39 | | |
| 5 | 84QAM | 25 | 0 | 20.46 | 20.47 | 20.42 | | |
| 5 | 256QAM | 1 | 0 | 18.38 | 18.44 | 18.39 | | |
| 5 | 256QAM | 1 | 12 | 18.34 | 18.37 | 18.33 | | |
| 5 | 256QAM | 1 | 24 | 18.26 | 18.38 | 18.31 | | |
| 5 | 256QAM | 12 | 0 | 18.38 | 18.40 | 18.31 | | |
| 5 | 256QAM | 12 | 7 | 18.29 | 18.29 | 18.28 | | |
| 5 | 256QAM | 12 | 13 | 18.19 | 18.23 | 18.23 | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.36 | 18.24 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 3 | QPSK | 1 | 0 | 21.15 | 21.28 | 21.21 | | |
| 3 | QPSK | 1 | 8 | 21.08 | 21.15 | 21.13 | | |
| 3 | QPSK | 1 | 14 | 20.92 | 21.14 | 21.25 | | |
| 3 | QPSK | 8 | 0 | 21.04 | 21.23 | 21.19 | | |
| 3 | QPSK | 8 | 4 | 21.13 | 21.12 | 21.01 | | |
| 3 | QPSK | 8 | 7 | 20.95 | 21.01 | 21.08 | | |
| 3 | QPSK | 15 | 0 | 21.09 | 21.20 | 21.28 | | |
| 3 | 16QAM | 1 | 0 | 20.97 | 21.07 | 20.95 | | |
| 3 | 16QAM | 1 | 8 | 21.03 | 20.81 | 21.00 | | |
| 3 | 16QAM | 1 | 14 | 20.82 | 20.93 | 21.10 | | |
| 3 | 16QAM | 8 | 0 | 20.82 | 20.93 | 21.29 | | |
| 3 | 16QAM | 8 | 4 | 20.96 | 21.06 | 21.16 | | |
| 3 | 16QAM | 8 | 7 | 21.23 | 21.13 | 21.55 | | |
| 3 | 16QAM | 15 | 0 | 20.83 | 21.01 | 21.04 | | |
| 3 | 84QAM | 1 | 0 | 21.09 | 21.01 | 21.20 | | |
| 3 | 84QAM | 1 | 8 | 21.10 | 21.29 | 21.20 | | |
| 3 | 84QAM | 1 | 14 | 21.13 | 20.99 | 21.09 | | |
| 3 | 84QAM | 8 | 0 | 20.48 | 20.47 | 20.38 | | |
| 3 | 84QAM | 8 | 4 | 20.28 | 20.36 | 20.23 | | |
| 3 | 84QAM | 8 | 7 | 20.34 | 20.41 | 20.36 | | |
| 3 | 84QAM | 15 | 0 | 20.44 | 20.49 | 20.40 | | |
| 3 | 256QAM | 1 | 0 | 18.40 | 18.47 | 18.40 | | |
| 3 | 256QAM | 1 | 8 | 18.36 | 18.35 | 18.33 | | |
| 3 | 256QAM | 1 | 14 | 18.28 | 18.38 | 18.28 | | |
| 3 | 256QAM | 8 | 0 | 18.29 | 18.41 | 18.30 | | |
| 3 | 256QAM | 8 | 4 | 18.26 | 18.31 | 18.28 | | |
| 3 | 256QAM | 8 | 7 | 18.14 | 18.26 | 18.17 | | |
| 3 | 256QAM | 15 | 0 | 18.28 | 18.33 | 18.21 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 21.05 | 21.31 | 21.35 | | |
| 1.4 | QPSK | 1 | 3 | 21.03 | 21.06 | 21.08 | | |
| 1.4 | QPSK | 1 | 5 | 21.02 | 20.98 | 21.07 | | |
| 1.4 | QPSK | 3 | 0 | 21.24 | 21.16 | 21.17 | | |
| 1.4 | QPSK | 3 | 1 | 21.05 | 21.08 | | | |



| Band 4 Other PA Ant3 | | | | | | | | | | |
|----------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Time-up (min) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.98 | 24.17 | 23.88 | 25.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.78 | 23.88 | 23.78 | | | | |
| 20 | QPSK | 1 | 99 | 23.76 | 23.87 | 23.75 | | | | |
| 20 | QPSK | 50 | 0 | 22.87 | 23.12 | 22.86 | 24.5 | 1 | | |
| 20 | QPSK | 50 | 24 | 22.86 | 23.00 | 22.74 | | | | |
| 20 | QPSK | 50 | 50 | 22.86 | 23.02 | 22.69 | | | | |
| 20 | QPSK | 100 | 0 | 22.58 | 22.81 | 22.60 | | | | |
| 20 | QPSK | 100 | 1 | 22.57 | 22.67 | 22.55 | | | | |
| 20 | 16QAM | 1 | 49 | 22.58 | 22.81 | 22.56 | 24.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.58 | 22.77 | 22.59 | | | | |
| 20 | 16QAM | 50 | 0 | 21.54 | 21.62 | 21.51 | | | | |
| 20 | 16QAM | 50 | 24 | 21.59 | 21.68 | 21.52 | 23.5 | 2 | | |
| 20 | 16QAM | 50 | 50 | 21.52 | 21.62 | 21.55 | | | | |
| 20 | 16QAM | 100 | 0 | 21.63 | 21.58 | 21.56 | | | | |
| 20 | 16QAM | 1 | 0 | 21.54 | 21.80 | 21.56 | 23.5 | 2 | | |
| 20 | 16QAM | 1 | 49 | 21.59 | 21.72 | 21.52 | | | | |
| 20 | 16QAM | 1 | 99 | 21.53 | 21.65 | 21.52 | | | | |
| 20 | 16QAM | 50 | 0 | 20.54 | 20.75 | 20.52 | | | | |
| 20 | 16QAM | 50 | 24 | 20.59 | 20.62 | 20.52 | | | | |
| 20 | 16QAM | 50 | 50 | 20.56 | 20.68 | 20.53 | 22.5 | 3 | | |
| 20 | 16QAM | 100 | 0 | 20.51 | 20.71 | 20.57 | | | | |
| 20 | 16QAM | 1 | 0 | 18.52 | 18.68 | 18.55 | | | | |
| 20 | 256QAM | 1 | 49 | 18.56 | 18.59 | 18.56 | 20.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.51 | 18.55 | 18.52 | | | | |
| 20 | 256QAM | 50 | 0 | 18.58 | 18.61 | 18.53 | | | | |
| 20 | 256QAM | 50 | 24 | 18.53 | 18.55 | 18.51 | 20.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.59 | 18.58 | 18.53 | | | | |
| 20 | 256QAM | 100 | 0 | 18.52 | 18.58 | 18.58 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.52 | 23.81 | 23.58 | 25.5 | 0 | | |
| 15 | QPSK | 1 | 49 | 23.53 | 23.88 | 23.54 | | | | |
| 15 | QPSK | 1 | 74 | 23.55 | 23.89 | 23.54 | | | | |
| 15 | QPSK | 36 | 0 | 22.57 | 22.76 | 22.59 | 24.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.58 | 22.80 | 22.59 | | | | |
| 15 | QPSK | 36 | 36 | 22.54 | 22.89 | 22.62 | | | | |
| 15 | 16QAM | 75 | 0 | 22.59 | 22.82 | 22.54 | | | | |
| 15 | 16QAM | 1 | 0 | 22.59 | 22.74 | 22.54 | 24.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.55 | 22.66 | 22.55 | | | | |
| 15 | 16QAM | 1 | 74 | 21.54 | 22.71 | 21.52 | | | | |
| 15 | 16QAM | 36 | 0 | 21.54 | 21.74 | 21.52 | | | | |
| 15 | 16QAM | 36 | 20 | 21.57 | 21.53 | 21.53 | 23.5 | 2 | | |
| 15 | 16QAM | 36 | 36 | 21.58 | 21.57 | 21.53 | | | | |
| 15 | 16QAM | 75 | 0 | 21.54 | 21.55 | 21.59 | | | | |
| 15 | 16QAM | 1 | 0 | 21.58 | 21.70 | 21.57 | 23.5 | 2 | | |
| 15 | 16QAM | 1 | 37 | 21.52 | 21.63 | 21.53 | | | | |
| 15 | 16QAM | 1 | 74 | 21.55 | 21.51 | 21.51 | | | | |
| 15 | 16QAM | 36 | 0 | 20.52 | 20.70 | 20.54 | 22.5 | 3 | | |
| 15 | 16QAM | 36 | 20 | 20.54 | 20.62 | 20.55 | | | | |
| 15 | 16QAM | 36 | 36 | 20.55 | 20.58 | 20.59 | | | | |
| 15 | 16QAM | 75 | 0 | 20.59 | 20.66 | 20.59 | | | | |
| 15 | 256QAM | 1 | 0 | 18.52 | 18.55 | 18.51 | 20.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.53 | 18.59 | 18.58 | | | | |
| 15 | 256QAM | 1 | 74 | 18.50 | 18.52 | 18.53 | | | | |
| 15 | 256QAM | 36 | 0 | 18.51 | 18.52 | 18.67 | | | | |
| 15 | 256QAM | 36 | 20 | 18.64 | 18.67 | 18.62 | 20.5 | 5 | | |
| 15 | 256QAM | 36 | 36 | 18.52 | 18.59 | 18.53 | | | | |
| 15 | 256QAM | 75 | 0 | 18.52 | 18.52 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.76 | 23.84 | 23.74 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.53 | 23.62 | 23.64 | | | | |
| 10 | QPSK | 1 | 49 | 23.78 | 23.83 | 23.57 | | | | |
| 10 | QPSK | 25 | 0 | 22.80 | 22.82 | 22.74 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.80 | 22.91 | 22.66 | | | | |
| 10 | QPSK | 25 | 25 | 22.81 | 22.89 | 22.55 | | | | |
| 10 | QPSK | 50 | 0 | 22.72 | 22.77 | 22.51 | | | | |
| 10 | 16QAM | 1 | 0 | 22.63 | 22.79 | 22.75 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.60 | 22.73 | 22.68 | | | | |
| 10 | 16QAM | 25 | 0 | 21.60 | 21.74 | 21.65 | | | | |
| 10 | 16QAM | 25 | 12 | 21.58 | 21.56 | 21.60 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.55 | 21.53 | 21.58 | | | | |
| 10 | 16QAM | 50 | 0 | 21.51 | 21.70 | 21.70 | | | | |
| 10 | 16QAM | 1 | 0 | 21.60 | 21.68 | 21.63 | 23.5 | 2 | | |
| 10 | 16QAM | 1 | 49 | 21.54 | 21.60 | 21.60 | | | | |
| 10 | 16QAM | 1 | 49 | 21.58 | 21.57 | 21.57 | | | | |
| 10 | 16QAM | 25 | 0 | 20.62 | 20.65 | 20.58 | 22.5 | 3 | | |
| 10 | 16QAM | 25 | 12 | 20.54 | 20.55 | 20.51 | | | | |
| 10 | 16QAM | 25 | 25 | 20.53 | 20.58 | 20.66 | | | | |
| 10 | 16QAM | 50 | 0 | 20.55 | 20.61 | 20.53 | | | | |
| 10 | 256QAM | 1 | 0 | 18.52 | 18.60 | 18.59 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.53 | 18.59 | 18.59 | | | | |
| 10 | 256QAM | 1 | 49 | 18.53 | 18.54 | 18.51 | | | | |
| 10 | 256QAM | 25 | 0 | 18.53 | 18.55 | 18.57 | | | | |
| 10 | 256QAM | 25 | 12 | 18.56 | 18.53 | 18.58 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.58 | 18.58 | 18.52 | | | | |
| 10 | 256QAM | 50 | 0 | 18.52 | 18.52 | 18.53 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.81 | 23.83 | 23.85 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.56 | 23.69 | 23.60 | | | | |
| 5 | QPSK | 1 | 24 | 23.75 | 23.89 | 23.89 | | | | |
| 5 | QPSK | 12 | 0 | 22.68 | 22.72 | 22.71 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.76 | 22.86 | 22.85 | | | | |
| 5 | QPSK | 12 | 13 | 22.86 | 22.96 | 22.85 | | | | |
| 5 | QPSK | 25 | 0 | 22.65 | 22.77 | 22.83 | | | | |
| 5 | 16QAM | 1 | 0 | 22.69 | 22.80 | 22.71 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.59 | 22.75 | 22.68 | | | | |
| 5 | 16QAM | 1 | 24 | 22.60 | 22.63 | 22.64 | | | | |
| 5 | 16QAM | 12 | 0 | 21.90 | 22.03 | 22.00 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.77 | 21.85 | 21.96 | | | | |
| 5 | 16QAM | 12 | 13 | 21.66 | 21.78 | 21.88 | | | | |
| 5 | 16QAM | 25 | 0 | 21.87 | 21.88 | 21.95 | | | | |
| 5 | 16QAM | 1 | 0 | 21.97 | 22.05 | 21.97 | 23.5 | 2 | | |
| 5 | 16QAM | 1 | 12 | 21.80 | 21.82 | 21.95 | | | | |
| 5 | 16QAM | 1 | 24 | 21.77 | 21.86 | 21.84 | | | | |
| 5 | 16QAM | 12 | 0 | 20.88 | 21.00 | 20.90 | 22.5 | 3 | | |
| 5 | 16QAM | 12 | 7 | 20.74 | 20.82 | 20.80 | | | | |
| 5 | 16QAM | 12 | 13 | 20.79 | 20.90 | 20.90 | | | | |
| 5 | 16QAM | 25 | 0 | 20.77 | 20.96 | 20.92 | | | | |
| 5 | 256QAM | 1 | 0 | 18.80 | 18.85 | 18.84 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.84 | 18.78 | 18.71 | | | | |
| 5 | 256QAM | 1 | 24 | 18.80 | 18.76 | 18.88 | | | | |
| 5 | 256QAM | 12 | 0 | 18.87 | 18.83 | 18.82 | | | | |
| 5 | 256QAM | 12 | 7 | 18.80 | 18.78 | 18.73 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.87 | 18.85 | 18.75 | | | | |
| 5 | 256QAM | 25 | 0 | 18.73 | 18.75 | 18.77 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.92 | 24.93 | 24.93 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.90 | 23.95 | 23.93 | | | | |
| 3 | QPSK | 1 | 14 | 24.04 | 24.12 | 24.10 | | | | |
| 3 | QPSK | 8 | 0 | 23.90 | 23.10 | 23.07 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 23.98 | 23.17 | 23.15 | | | | |
| 3 | QPSK | 8 | 7 | 23.14 | 23.21 | 23.25 | | | | |
| 3 | QPSK | 15 | 0 | 22.98 | 23.07 | 23.08 | | | | |
| 3 | 16QAM | 1 | 0 | 22.93 | 23.10 | 23.05 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.88 | 23.03 | 22.88 | | | | |
| 3 | 16QAM | 1 | 14 | 22.88 | 22.87 | 23.04 | | | | |
| 3 | 16QAM | 8 | 0 | 21.94 | 22.03 | 21.93 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 4 | 21.76 | 21.90 | 21.89 | | | | |
| 3 | 16QAM | 8 | 7 | 21.67 | 21.78 | 21.82 | | | | |
| 3 | 16QAM | 15 | 0 | 21.85 | 22.01 | 21.91 | | | | |
| 3 | 16QAM | 1 | 0 | 21.89 | 21.98 | 21.84 | 23.5 | 2 | | |
| 3 | 16QAM | 1 | 8 | 21.83 | 21 | | | | | |



Band 4 Other PA Ant4

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq 200% | Turn-up limit (dBm) | MPE (dB) | Channel | | | |
|----------|------------|---------|-----------|---------------------|----------------------|---------------------------|---------------------|----------|-----------------|------|--------|------|
| | | | | | | | | | Frequency (MHz) | 1720 | 1725.5 | 1745 |
| 20 | QPSK | 1 | 0 | 23.07 | 23.27 | 23.21 | 24.5 | 0 | | | | |
| 20 | QPSK | 1 | 49 | 22.91 | 23.15 | 23.12 | | | | | | |
| 20 | QPSK | 1 | 99 | 23.03 | 23.22 | 23.20 | | | | | | |
| 20 | QPSK | 50 | 0 | 21.98 | 22.27 | 22.14 | | | | | | |
| 20 | QPSK | 50 | 24 | 22.00 | 22.18 | 22.14 | | | 23.5 | | | |
| 20 | QPSK | 50 | 50 | 22.05 | 22.23 | 22.24 | | | | | | |
| 20 | QPSK | 100 | 0 | 22.00 | 22.19 | 22.10 | | | | | | |
| 20 | 16QAM | 1 | 0 | 22.03 | 22.21 | 22.11 | | | 23.5 | | | |
| 20 | 16QAM | 1 | 49 | 22.14 | 22.31 | 22.27 | | | | | | |
| 20 | 16QAM | 1 | 99 | 22.09 | 22.27 | 22.25 | | | | | | |
| 20 | 16QAM | 50 | 0 | 21.05 | 21.25 | 21.22 | | | | | | |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.26 | 21.20 | | | 22.5 | | | |
| 20 | 16QAM | 50 | 50 | 21.04 | 21.21 | 21.14 | | | | | | |
| 20 | 16QAM | 100 | 0 | 20.99 | 21.23 | 21.15 | | | | | | |
| 20 | 84QAM | 1 | 0 | 20.93 | 21.13 | 21.11 | | | 22.5 | | | |
| 20 | 84QAM | 1 | 49 | 21.00 | 21.24 | 21.14 | | | | | | |
| 20 | 84QAM | 1 | 99 | 21.00 | 21.23 | 21.17 | | | | | | |
| 20 | 84QAM | 50 | 0 | 20.93 | 20.22 | 20.17 | | | | | | |
| 20 | 84QAM | 50 | 24 | 20.98 | 20.25 | 20.20 | | | 21.5 | | | |
| 20 | 84QAM | 50 | 50 | 20.95 | 20.23 | 20.18 | | | | | | |
| 20 | 84QAM | 100 | 0 | 20.91 | 20.20 | 20.16 | | | | | | |
| 20 | 256QAM | 1 | 0 | 17.81 | 18.02 | 17.90 | | | | | | |
| 20 | 256QAM | 1 | 49 | 17.87 | 18.11 | 18.07 | | | 19.5 | | | |
| 20 | 256QAM | 1 | 99 | 17.83 | 18.04 | 17.97 | | | | | | |
| 20 | 256QAM | 50 | 0 | 18.06 | 18.26 | 18.18 | | | | | | |
| 20 | 256QAM | 50 | 24 | 17.93 | 18.16 | 18.15 | | | 19.5 | | | |
| 20 | 256QAM | 50 | 50 | 17.94 | 18.17 | 18.14 | | | | | | |
| 20 | 256QAM | 100 | 0 | 18.00 | 18.19 | 18.13 | | | | | | |
| | | | | 20005 | 20175 | 20325 | Turn-up limit (dBm) | MPE (dB) | | | | |
| | | | | 1717.5 | 1723.5 | 1747.5 | | | | | | |
| 15 | QPSK | 1 | 0 | 22.83 | 23.12 | 23.14 | | | | | | |
| 15 | QPSK | 1 | 37 | 22.80 | 23.03 | 23.04 | | | 24.5 | | | |
| 15 | QPSK | 1 | 74 | 22.90 | 23.11 | 23.12 | | | | | | |
| 15 | QPSK | 36 | 0 | 21.80 | 22.14 | 22.04 | | | | | | |
| 15 | QPSK | 36 | 20 | 21.89 | 22.12 | 22.05 | | | 23.5 | | | |
| 15 | QPSK | 36 | 39 | 22.00 | 22.16 | 22.10 | | | | | | |
| 15 | QPSK | 75 | 0 | 21.88 | 22.14 | 22.08 | | | | | | |
| 15 | 16QAM | 1 | 0 | 21.97 | 22.15 | 22.01 | | | 23.5 | | | |
| 15 | 16QAM | 1 | 37 | 22.02 | 22.17 | 22.14 | | | | | | |
| 15 | 16QAM | 1 | 74 | 21.94 | 22.17 | 22.20 | | | | | | |
| 15 | 16QAM | 36 | 0 | 20.97 | 21.14 | 21.11 | | | | | | |
| 15 | 16QAM | 36 | 20 | 21.01 | 21.12 | 21.08 | | | 22.5 | | | |
| 15 | 16QAM | 36 | 39 | 20.90 | 21.08 | 21.03 | | | | | | |
| 15 | 16QAM | 75 | 0 | 20.92 | 21.17 | 21.02 | | | | | | |
| 15 | 84QAM | 1 | 0 | 20.82 | 21.02 | 21.05 | | | 22.5 | | | |
| 15 | 84QAM | 1 | 37 | 20.89 | 21.15 | 21.09 | | | | | | |
| 15 | 84QAM | 1 | 74 | 20.90 | 21.16 | 21.11 | | | | | | |
| 15 | 84QAM | 36 | 0 | 19.94 | 20.09 | 20.09 | | | | | | |
| 15 | 84QAM | 36 | 20 | 19.97 | 20.16 | 20.05 | | | 21.5 | | | |
| 15 | 84QAM | 36 | 39 | 19.98 | 20.08 | 20.03 | | | | | | |
| 15 | 84QAM | 75 | 0 | 19.92 | 20.07 | 20.06 | | | | | | |
| 15 | 256QAM | 1 | 0 | 17.68 | 17.90 | 17.83 | | | | | | |
| 15 | 256QAM | 1 | 37 | 17.74 | 18.04 | 17.97 | | | 19.5 | | | |
| 15 | 256QAM | 1 | 74 | 17.76 | 17.92 | 17.90 | | | | | | |
| 15 | 256QAM | 36 | 0 | 17.97 | 18.11 | 18.02 | | | | | | |
| 15 | 256QAM | 36 | 20 | 17.82 | 18.03 | 18.01 | | | 19.5 | | | |
| 15 | 256QAM | 36 | 39 | 17.89 | 18.11 | 18.02 | | | | | | |
| 15 | 256QAM | 75 | 0 | 17.90 | 18.08 | 18.05 | | | | | | |
| | | | | 20000 | 20175 | 20350 | Turn-up limit (dBm) | MPE (dB) | | | | |
| | | | | 1715 | 1722.5 | 1750 | | | | | | |
| 10 | QPSK | 1 | 0 | 23.02 | 23.15 | 23.17 | | | | | | |
| 10 | QPSK | 1 | 25 | 22.78 | 23.03 | 23.01 | | | 24.5 | | | |
| 10 | QPSK | 1 | 49 | 22.98 | 23.08 | 23.12 | | | | | | |
| 10 | QPSK | 25 | 0 | 21.84 | 22.17 | 22.08 | | | | | | |
| 10 | QPSK | 25 | 12 | 21.84 | 22.06 | 22.05 | | | 23.5 | | | |
| 10 | QPSK | 25 | 25 | 21.98 | 22.20 | 22.12 | | | | | | |
| 10 | QPSK | 50 | 0 | 21.85 | 22.04 | 21.98 | | | | | | |
| 10 | 16QAM | 1 | 0 | 21.98 | 22.08 | 22.02 | | | 23.5 | | | |
| 10 | 16QAM | 1 | 25 | 22.00 | 22.20 | 22.13 | | | | | | |
| 10 | 16QAM | 1 | 49 | 22.04 | 22.21 | 22.18 | | | | | | |
| 10 | 16QAM | 25 | 0 | 20.95 | 21.19 | 21.10 | | | | | | |
| 10 | 16QAM | 25 | 12 | 20.99 | 21.21 | 21.07 | | | 22.5 | | | |
| 10 | 16QAM | 25 | 25 | 20.97 | 21.11 | 21.01 | | | | | | |
| 10 | 16QAM | 50 | 0 | 20.91 | 21.15 | 21.08 | | | | | | |
| 10 | 84QAM | 1 | 0 | 20.83 | 21.06 | 21.01 | | | 22.5 | | | |
| 10 | 84QAM | 1 | 25 | 20.91 | 21.18 | 21.04 | | | | | | |
| 10 | 84QAM | 1 | 49 | 20.84 | 21.16 | 21.10 | | | | | | |
| 10 | 84QAM | 25 | 0 | 19.90 | 20.07 | 20.10 | | | | | | |
| 10 | 84QAM | 25 | 12 | 19.94 | 20.18 | 20.07 | | | 21.5 | | | |
| 10 | 84QAM | 25 | 25 | 19.92 | 20.15 | 20.07 | | | | | | |
| 10 | 84QAM | 50 | 0 | 19.95 | 20.13 | 20.02 | | | | | | |
| 10 | 256QAM | 1 | 0 | 17.67 | 17.82 | 17.80 | | | | | | |
| 10 | 256QAM | 1 | 25 | 17.73 | 18.03 | 17.96 | | | 19.5 | | | |
| 10 | 256QAM | 1 | 49 | 17.72 | 17.90 | 17.85 | | | | | | |
| 10 | 256QAM | 25 | 0 | 17.91 | 18.14 | 18.02 | | | | | | |
| 10 | 256QAM | 25 | 12 | 17.88 | 18.08 | 18.00 | | | 19.5 | | | |
| 10 | 256QAM | 25 | 25 | 17.81 | 18.10 | 18.06 | | | | | | |
| 10 | 256QAM | 50 | 0 | 17.81 | 18.09 | 18.05 | | | | | | |
| | | | | 19975 | 20175 | 20375 | Turn-up limit (dBm) | MPE (dB) | | | | |
| | | | | 1712.5 | 1722.5 | 1752.5 | | | | | | |
| 5 | QPSK | 1 | 0 | 22.83 | 23.14 | 23.11 | | | | | | |
| 5 | QPSK | 1 | 12 | 22.83 | 23.06 | 23.03 | | | 24.5 | | | |
| 5 | QPSK | 1 | 24 | 22.96 | 23.16 | 23.09 | | | | | | |
| 5 | QPSK | 12 | 0 | 21.83 | 22.17 | 22.05 | | | | | | |
| 5 | QPSK | 12 | 7 | 21.91 | 22.12 | 22.05 | | | 23.5 | | | |
| 5 | QPSK | 12 | 13 | 21.98 | 22.15 | 22.12 | | | | | | |
| 5 | QPSK | 25 | 0 | 21.85 | 22.08 | 21.98 | | | | | | |
| 5 | 16QAM | 1 | 0 | 21.93 | 22.07 | 21.97 | | | 23.5 | | | |
| 5 | 16QAM | 1 | 12 | 22.03 | 22.18 | 22.14 | | | | | | |
| 5 | 16QAM | 1 | 24 | 21.99 | 22.15 | 22.11 | | | | | | |
| 5 | 16QAM | 12 | 0 | 20.86 | 21.17 | 21.13 | | | | | | |
| 5 | 16QAM | 12 | 7 | 20.96 | 21.16 | 21.09 | | | 22.5 | | | |
| 5 | 16QAM | 12 | 13 | 20.96 | 21.10 | 21.08 | | | | | | |
| 5 | 16QAM | 25 | 0 | 20.80 | 21.13 | 21.07 | | | | | | |
| 5 | 84QAM | 1 | 0 | 20.88 | 21.05 | 21.02 | | | 22.5 | | | |
| 5 | 84QAM | 1 | 12 | 20.88 | 21.09 | 21.07 | | | | | | |
| 5 | 84QAM | 1 | 24 | 20.86 | 21.12 | 21.10 | | | | | | |
| 5 | 84QAM | 12 | 0 | 19.95 | 20.14 | 20.03 | | | | | | |
| 5 | 84QAM | 12 | 7 | 19.98 | 20.11 | 20.06 | | | 21.5 | | | |
| 5 | 84QAM | 12 | 13 | 19.92 | 20.13 | 20.07 | | | | | | |
| 5 | 84QAM | 25 | 0 | 19.90 | 20.12 | 20.10 | | | | | | |
| 5 | 256QAM | 1 | 0 | 17.72 | 17.94 | 17.83 | | | | | | |
| 5 | 256QAM | 1 | 12 | 17.81 | 18.04 | 17.95 | | | 19.5 | | | |
| 5 | 256QAM | 1 | 24 | 17.69 | 17.93 | 17.84 | | | | | | |
| 5 | 256QAM | 12 | 0 | 17.99 | 18.14 | 18.01 | | | | | | |
| 5 | 256QAM | 12 | 7 | 17.80 | 18.08 | 18.07 | | | 19.5 | | | |
| 5 | 256QAM | 12 | 13 | 17.80 | 18.07 | 18.05 | | | | | | |
| 5 | 256QAM | 25 | 0 | 17.85 | 18.07 | 18.00 | | | | | | |
| | | | | 19965 | 20175 | 20385 | Turn-up limit (dBm) | MPE (dB) | | | | |
| | | | | 1711.5 | 1722.5 | 1753.5 | | | | | | |
| 3 | QPSK | 1 | 0 | 23.01 | 23.15 | 23.15 | | | | | | |
| 3 | QPSK | 1 | 8 | 22.82 | 23.03 | 23.06 | | | 24.5 | | | |
| 3 | QPSK | 1 | 14 | 22.90 | 23.10 | 23.07 | | | | | | |
| 3 | QPSK | 8 | 0 | 21.93 | 22.14 | 22.02 | | | | | | |
| 3 | QPSK | 8 | 4 | 21.90 | 22.12 | 22.02 | | | 23.5 | | | |
| 3 | QPSK | 8 | 7 | 21.92 | 22.21 | 22.12 | | | | | | |
| 3 | 16QAM | 1 | 0 | 21.92 | 22.09 | 22.01 | | | | | | |
| 3 | 16QAM | 1 | 8 | 21.90 | 22.08 | 22.05 | | | 23.5 | | | |
| 3 | 16QAM | 1 | 14 | 21.99 | 22.13 | 22.10 | | | | | | |
| 3 | 16QAM | 8 | 0 | 20.98 | 21.16 | 21.09 | | | | | | |
| 3 | 16QAM | 8 | 4 | 20.98 | 21.17 | 21.07 | | | 22.5 | | | |
| 3 | 16QAM | 8 | 7 | 20.99 | 21.14 | 21.00 | | | | | | |
| 3 | 84QAM | 1 | 0 | 20.85 | 21.09 | 21.02 | | | 22.5 | | | |
| 3 | 84QAM | 1 | 8 | 20.90 | 21.18 | 21.08 | | | | | | |
| 3 | 84QAM | 1 | 14 | 20.94 | 21.09 | 21.07 | | | | | | |
| 3 | 84QAM | 8 | 0 | 19.94 | 20.09 | 20.04 | | | | | | |
| 3 | 84QAM | | | | | | | | | | | |



| Band 12 Other PA Ant0 | | | | | | | | | |
|-----------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RE Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Time-up limit (dB) | MPE (dB) | |
| Channel | | | | | | | | | |
| | | | | 704 | 707.5 | 711 | | | |
| 10 | QPSK | 1 | 0 | 24.50 | 24.50 | 24.44 | | | |
| 10 | QPSK | 1 | 25 | 24.37 | 24.44 | 24.45 | 23.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.40 | 24.50 | 24.45 | | | |
| 10 | QPSK | 25 | 0 | 23.70 | 23.74 | 23.63 | | | |
| 10 | QPSK | 25 | 12 | 23.63 | 23.67 | 23.61 | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.49 | 23.64 | 23.58 | | | |
| 10 | QPSK | 50 | 0 | 23.55 | 23.59 | 23.55 | | | |
| 10 | 16QAM | 1 | 0 | 23.47 | 23.52 | 23.56 | | | |
| 10 | 16QAM | 1 | 25 | 23.59 | 23.58 | 23.62 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 23.54 | 23.57 | 23.48 | | | |
| 10 | 16QAM | 25 | 0 | 22.55 | 22.65 | 22.62 | | | |
| 10 | 16QAM | 25 | 12 | 22.81 | 22.56 | 22.52 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 22.44 | 22.51 | 22.44 | | | |
| 10 | 16QAM | 50 | 0 | 22.84 | 22.91 | 22.86 | | | |
| 10 | 64QAM | 1 | 0 | 22.54 | 22.56 | 22.54 | | | |
| 10 | 64QAM | 1 | 25 | 22.60 | 22.68 | 22.54 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.70 | 22.75 | 22.61 | | | |
| 10 | 64QAM | 25 | 0 | 21.48 | 21.59 | 21.55 | | | |
| 10 | 64QAM | 25 | 12 | 21.61 | 21.86 | 21.84 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 21.60 | 21.75 | 21.65 | | | |
| 10 | 64QAM | 50 | 0 | 21.90 | 22.04 | 21.92 | | | |
| 10 | 256QAM | 1 | 0 | 20.00 | 20.17 | 19.99 | | | |
| 10 | 256QAM | 1 | 25 | 19.81 | 19.92 | 19.88 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 49 | 20.05 | 20.17 | 20.05 | | | |
| 10 | 256QAM | 25 | 0 | 19.47 | 19.56 | 19.52 | | | |
| 10 | 256QAM | 25 | 12 | 19.80 | 19.84 | 19.75 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 25 | 19.60 | 19.72 | 19.67 | | | |
| 10 | 256QAM | 50 | 0 | 19.65 | 19.89 | 19.85 | | | |
| Channel | | | | | | | | | |
| | | | | 701.5 | 707.5 | 713.5 | | | |
| 5 | QPSK | 1 | 0 | 24.42 | 24.46 | 24.36 | | | |
| 5 | QPSK | 1 | 12 | 24.24 | 24.34 | 24.33 | 23.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.27 | 24.38 | 24.37 | | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.68 | 23.55 | | | |
| 5 | QPSK | 12 | 7 | 23.61 | 23.63 | 23.54 | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.39 | 23.55 | 23.50 | | | |
| 5 | 16QAM | 1 | 0 | 23.44 | 23.58 | 23.49 | | | |
| 5 | 16QAM | 1 | 24 | 23.38 | 23.53 | 23.49 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 12 | 23.47 | 23.61 | 23.58 | | | |
| 5 | 16QAM | 1 | 24 | 23.39 | 23.51 | 23.38 | | | |
| 5 | 16QAM | 12 | 0 | 22.48 | 22.54 | 22.55 | | | |
| 5 | 16QAM | 12 | 7 | 22.49 | 22.51 | 22.48 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 22.31 | 22.48 | 22.41 | | | |
| 5 | 16QAM | 25 | 0 | 22.74 | 22.85 | 22.73 | | | |
| 5 | 64QAM | 1 | 0 | 22.45 | 22.62 | 22.41 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 12 | 22.50 | 22.55 | 22.48 | | | |
| 5 | 64QAM | 1 | 24 | 22.50 | 22.63 | 22.54 | | | |
| 5 | 64QAM | 12 | 0 | 21.42 | 21.55 | 21.41 | | | |
| 5 | 64QAM | 12 | 7 | 21.71 | 21.80 | 21.73 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.53 | 21.65 | 21.51 | | | |
| 5 | 64QAM | 25 | 0 | 21.85 | 21.97 | 21.77 | | | |
| 5 | 256QAM | 1 | 0 | 19.88 | 19.96 | 19.89 | | | |
| 5 | 256QAM | 1 | 12 | 19.70 | 19.81 | 19.75 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 24 | 19.97 | 20.14 | 19.91 | | | |
| 5 | 256QAM | 12 | 0 | 19.41 | 19.62 | 19.58 | | | |
| 5 | 256QAM | 12 | 7 | 19.50 | 19.74 | 19.57 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 19.45 | 19.59 | 19.51 | | | |
| 5 | 256QAM | 25 | 0 | 19.71 | 19.82 | 19.73 | | | |
| Channel | | | | | | | | | |
| | | | | 701.5 | 707.5 | 714.5 | | | |
| 3 | QPSK | 1 | 0 | 24.40 | 24.52 | 24.44 | | | |
| 3 | QPSK | 1 | 8 | 24.34 | 24.34 | 24.34 | 23.5 | 0 | |
| 3 | QPSK | 1 | 14 | 24.36 | 24.40 | 24.38 | | | |
| 3 | QPSK | 8 | 0 | 23.68 | 23.65 | 23.49 | | | |
| 3 | QPSK | 8 | 4 | 23.55 | 23.59 | 23.58 | 24.5 | 1 | |
| 3 | QPSK | 8 | 7 | 23.39 | 23.52 | 23.53 | | | |
| 3 | 16QAM | 1 | 0 | 23.60 | 23.62 | 23.48 | | | |
| 3 | 16QAM | 1 | 8 | 23.47 | 23.53 | 23.55 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 14 | 23.48 | 23.53 | 23.58 | | | |
| 3 | 16QAM | 8 | 0 | 22.45 | 22.58 | 22.59 | | | |
| 3 | 16QAM | 8 | 4 | 22.47 | 22.59 | 22.48 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 7 | 22.70 | 22.40 | 22.45 | | | |
| 3 | 16QAM | 15 | 0 | 22.77 | 22.77 | 22.70 | | | |
| 3 | 64QAM | 1 | 0 | 22.44 | 22.57 | 22.41 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 8 | 22.56 | 22.58 | 22.38 | | | |
| 3 | 64QAM | 1 | 14 | 22.59 | 22.73 | 22.52 | | | |
| 3 | 64QAM | 8 | 0 | 21.44 | 21.55 | 21.43 | | | |
| 3 | 64QAM | 8 | 4 | 21.77 | 21.83 | 21.75 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.49 | 21.61 | 21.52 | | | |
| 3 | 256QAM | 1 | 0 | 19.88 | 19.91 | 19.89 | | | |
| 3 | 256QAM | 1 | 8 | 19.67 | 19.80 | 19.77 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 14 | 19.98 | 20.04 | 19.92 | | | |
| 3 | 256QAM | 8 | 0 | 19.63 | 19.50 | 19.63 | | | |
| 3 | 256QAM | 8 | 4 | 19.72 | 19.70 | 19.59 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 7 | 19.48 | 19.59 | 19.53 | | | |
| 3 | 256QAM | 15 | 0 | 19.81 | 19.81 | 19.81 | | | |
| Channel | | | | | | | | | |
| | | | | 2317 | 2319 | 2313 | | | |
| 1.4 | QPSK | 1 | 0 | 24.41 | 24.52 | 24.53 | | | |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.25 | 23.5 | 0 | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.41 | 24.38 | | | |
| 1.4 | QPSK | 3 | 0 | 24.40 | 24.44 | 24.26 | | | |
| 1.4 | QPSK | 3 | 1 | 24.20 | 24.35 | 24.30 | 24.5 | 1 | |
| 1.4 | QPSK | 3 | 3 | 24.30 | 24.41 | 24.32 | | | |
| 1.4 | 16QAM | 1 | 0 | 23.51 | 23.54 | 23.53 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.39 | 23.52 | 23.52 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 5 | 23.46 | 23.59 | 23.47 | | | |
| 1.4 | 16QAM | 3 | 0 | 23.42 | 23.48 | 23.47 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.50 | 23.59 | 23.56 | | | |
| 1.4 | 16QAM | 3 | 3 | 23.44 | 23.48 | 23.35 | 23.8 | 2 | |
| 1.4 | 16QAM | 6 | 0 | 22.81 | 22.81 | 22.47 | | | |
| 1.4 | 16QAM | 1 | 0 | 22.49 | 22.54 | 22.41 | | | |
| 1.4 | 16QAM | 1 | 3 | 22.49 | 22.43 | 22.38 | | | |
| 1.4 | 16QAM | 1 | 5 | 22.45 | 22.50 | 22.42 | 23.5 | 2 | |
| 1.4 | 16QAM | 3 | 0 | 22.47 | 22.59 | 22.47 | | | |
| 1.4 | 16QAM | 3 | 1 | 22.50 | 22.60 | 22.47 | | | |
| 1.4 | 16QAM | 3 | 3 | 22.59 | 22.62 | 22.55 | | | |
| 1.4 | 256QAM | 1 | 0 | 21.56 | 21.62 | 21.59 | 22.5 | 3 | |
| 1.4 | 256QAM | 1 | 0 | 19.89 | 19.89 | 19.85 | | | |
| 1.4 | 256QAM | 1 | 3 | 19.69 | 19.89 | 19.74 | | | |
| 1.4 | 256QAM | 1 | 5 | 19.81 | 20.03 | 19.86 | 20.5 | 5 | |
| 1.4 | 256QAM | 3 | 0 | 19.59 | 19.46 | 19.46 | | | |
| 1.4 | 256QAM | 3 | 1 | 19.70 | 19.73 | 19.57 | | | |
| 1.4 | 256QAM | 3 | 3 | 19.56 | 19.88 | 19.56 | | | |
| 1.4 | 256QAM | 5 | 0 | 19.79 | 19.76 | 19.70 | 20.5 | 5 | |



| Band 17 Other PA Ant0 | | | | | | | | | |
|-----------------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|--------------------|-----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power High Ch. F.Freq. | Power Mid Ch. F.Freq. | Turn-up limit (dB) | MFR (dB) | |
| Channel | | | | 709 | 710 | 711 | | | |
| 10 | QPSK | 1 | 0 | 24.43 | 24.51 | 24.46 | | | |
| 10 | QPSK | 1 | 25 | 24.31 | 24.40 | 24.36 | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.38 | 24.47 | 24.33 | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.66 | 23.67 | | | |
| 10 | QPSK | 25 | 12 | 23.62 | 23.69 | 23.66 | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.46 | 23.34 | | | |
| 10 | QPSK | 50 | 0 | 23.48 | 23.50 | 23.49 | | | |
| 10 | 16QAM | 1 | 0 | 23.46 | 23.50 | 23.42 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 25 | 23.29 | 23.42 | 23.32 | | | |
| 10 | 16QAM | 1 | 49 | 23.21 | 23.34 | 23.26 | | | |
| 10 | 16QAM | 25 | 0 | 22.98 | 22.73 | 22.82 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 12 | 22.89 | 22.72 | 22.88 | | | |
| 10 | 16QAM | 25 | 25 | 22.69 | 22.73 | 22.62 | | | |
| 10 | 16QAM | 50 | 0 | 22.67 | 22.79 | 22.73 | | | |
| 10 | 64QAM | 1 | 0 | 22.43 | 22.50 | 22.41 | 22.5 | 2 | |
| 10 | 64QAM | 1 | 25 | 22.50 | 22.54 | 22.48 | | | |
| 10 | 64QAM | 1 | 49 | 22.36 | 22.35 | 22.31 | | | |
| 10 | 64QAM | 25 | 0 | 21.59 | 21.66 | 21.59 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 12 | 21.68 | 21.77 | 21.66 | | | |
| 10 | 64QAM | 25 | 25 | 21.50 | 21.56 | 21.49 | | | |
| 10 | 64QAM | 50 | 0 | 21.59 | 21.66 | 21.62 | | | |
| 10 | 256QAM | 1 | 0 | 19.82 | 19.90 | 19.81 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 25 | 19.83 | 19.85 | 19.78 | | | |
| 10 | 256QAM | 1 | 49 | 19.59 | 19.70 | 19.66 | | | |
| 10 | 256QAM | 25 | 0 | 19.47 | 19.58 | 19.45 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 12 | 19.52 | 19.60 | 19.56 | | | |
| 10 | 256QAM | 25 | 25 | 19.50 | 19.54 | 19.43 | | | |
| 10 | 256QAM | 50 | 0 | 19.50 | 19.67 | 19.58 | | | |
| Channel | | | | 23705 | 23706 | 23705 | | | |
| Frequency (MHz) | | | | 709.5 | 710 | 711.5 | Turn-up limit (dB) | APPR (dB) | |
| 5 | QPSK | 1 | 0 | 24.39 | 24.45 | 24.43 | | | |
| 5 | QPSK | 1 | 12 | 24.24 | 24.30 | 24.25 | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.35 | 24.35 | 24.22 | | | |
| 5 | QPSK | 12 | 0 | 23.59 | 23.61 | 23.49 | | | |
| 5 | QPSK | 12 | 7 | 23.40 | 23.47 | 23.39 | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.28 | 23.42 | 23.25 | | | |
| 5 | QPSK | 25 | 0 | 23.44 | 23.55 | 23.39 | | | |
| 5 | 16QAM | 1 | 0 | 23.32 | 23.45 | 23.31 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 12 | 23.20 | 23.32 | 23.26 | | | |
| 5 | 16QAM | 1 | 24 | 23.07 | 23.29 | 23.22 | | | |
| 5 | 16QAM | 12 | 0 | 22.94 | 22.61 | 22.51 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 7 | 22.66 | 22.59 | 22.54 | | | |
| 5 | 16QAM | 12 | 13 | 22.58 | 22.79 | 22.61 | | | |
| 5 | 16QAM | 25 | 0 | 22.97 | 22.67 | 22.63 | | | |
| 5 | 64QAM | 1 | 0 | 22.38 | 22.37 | 22.37 | 22.5 | 2 | |
| 5 | 64QAM | 1 | 12 | 22.41 | 23.46 | 22.37 | | | |
| 5 | 64QAM | 1 | 24 | 22.22 | 22.27 | 22.15 | | | |
| 5 | 64QAM | 12 | 0 | 21.44 | 21.58 | 21.53 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 7 | 21.50 | 21.70 | 21.64 | | | |
| 5 | 64QAM | 12 | 13 | 21.37 | 21.51 | 21.35 | | | |
| 5 | 64QAM | 25 | 0 | 21.44 | 21.57 | 21.49 | | | |
| 5 | 256QAM | 1 | 0 | 19.76 | 19.79 | 19.69 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 19.72 | 19.75 | 19.66 | | | |
| 5 | 256QAM | 1 | 24 | 19.48 | 19.59 | 19.53 | | | |
| 5 | 256QAM | 12 | 0 | 19.37 | 19.48 | 19.33 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.39 | 19.47 | 19.43 | | | |
| 5 | 256QAM | 12 | 13 | 19.44 | 19.48 | 19.33 | | | |
| 5 | 256QAM | 25 | 0 | 19.56 | 19.63 | 19.52 | | | |



| Band 12 Other PA Ant1 | | | | | | | | | | |
|-----------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RE Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Time-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| | | | | 704 | 707.5 | 711 | | | | |
| 10 | QPSK | 1 | 0 | 23.69 | 23.74 | 23.67 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.69 | 23.66 | 23.67 | | | | |
| 10 | QPSK | 1 | 49 | 23.67 | 23.61 | 23.62 | | | | |
| 10 | QPSK | 25 | 0 | 22.66 | 22.76 | 22.67 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.66 | 22.70 | 22.69 | | | | |
| 10 | QPSK | 25 | 25 | 22.65 | 22.65 | 22.66 | | | | |
| 10 | QPSK | 50 | 0 | 22.59 | 22.72 | 22.67 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.58 | 22.67 | 22.56 | | | | |
| 10 | 16QAM | 1 | 25 | 22.53 | 22.61 | 22.58 | | | | |
| 10 | 16QAM | 1 | 49 | 22.54 | 22.57 | 22.51 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 0 | 21.73 | 21.81 | 21.71 | | | | |
| 10 | 16QAM | 25 | 12 | 21.70 | 21.73 | 21.65 | | | | |
| 10 | 16QAM | 25 | 25 | 21.63 | 21.77 | 21.66 | 22.5 | 3 | | |
| 10 | 16QAM | 50 | 0 | 21.68 | 21.71 | 21.67 | | | | |
| 10 | 64QAM | 1 | 0 | 21.65 | 21.79 | 21.71 | | | | |
| 10 | 64QAM | 1 | 25 | 21.59 | 21.72 | 21.66 | 22.5 | 3 | | |
| 10 | 64QAM | 1 | 49 | 21.65 | 21.69 | 21.64 | | | | |
| 10 | 64QAM | 25 | 0 | 20.90 | 20.95 | 20.88 | | | | |
| 10 | 64QAM | 25 | 12 | 20.81 | 20.86 | 20.78 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.81 | 20.81 | 20.84 | | | | |
| 10 | 64QAM | 50 | 0 | 20.68 | 20.83 | 20.72 | | | | |
| 10 | 256QAM | 1 | 0 | 18.85 | 18.96 | 18.82 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.83 | 18.93 | 18.88 | | | | |
| 10 | 256QAM | 1 | 49 | 18.85 | 18.88 | 18.74 | | | | |
| 10 | 256QAM | 25 | 0 | 18.73 | 18.87 | 18.84 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.68 | 18.77 | 18.72 | | | | |
| 10 | 256QAM | 25 | 25 | 18.74 | 18.83 | 18.69 | | | | |
| 10 | 256QAM | 50 | 0 | 18.65 | 18.91 | 18.82 | | | | |
| Channel | | | | | | | | | | |
| | | | | 701.5 | 707.5 | 713.5 | | | | |
| 5 | QPSK | 1 | 0 | 23.62 | 23.67 | 23.68 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.67 | 23.68 | 23.68 | | | | |
| 5 | QPSK | 1 | 24 | 23.67 | 23.56 | 23.62 | | | | |
| 5 | QPSK | 12 | 0 | 22.55 | 22.67 | 22.64 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.51 | 22.64 | 22.60 | | | | |
| 5 | QPSK | 12 | 13 | 22.51 | 22.52 | 22.52 | | | | |
| 5 | QPSK | 25 | 0 | 22.55 | 22.67 | 22.61 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.57 | 22.58 | 22.58 | | | | |
| 5 | 16QAM | 1 | 12 | 22.51 | 22.55 | 22.59 | | | | |
| 5 | 16QAM | 1 | 24 | 22.59 | 22.54 | 22.59 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 0 | 21.85 | 21.74 | 21.83 | | | | |
| 5 | 16QAM | 12 | 7 | 21.81 | 21.83 | 21.59 | | | | |
| 5 | 16QAM | 12 | 13 | 21.63 | 21.66 | 21.59 | 23.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.53 | 21.98 | 21.51 | | | | |
| 5 | 64QAM | 1 | 0 | 21.54 | 21.71 | 21.58 | | | | |
| 5 | 64QAM | 1 | 12 | 21.55 | 21.64 | 21.64 | 22.5 | 3 | | |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.58 | | | | |
| 5 | 64QAM | 12 | 0 | 20.77 | 20.90 | 20.83 | | | | |
| 5 | 64QAM | 12 | 7 | 20.69 | 20.79 | 20.68 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 20.67 | 20.85 | 20.72 | | | | |
| 5 | 64QAM | 25 | 0 | 20.58 | 20.80 | 20.60 | | | | |
| 5 | 256QAM | 1 | 0 | 18.71 | 18.96 | 18.79 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.74 | 18.82 | 18.81 | | | | |
| 5 | 256QAM | 1 | 24 | 18.73 | 18.77 | 18.65 | | | | |
| 5 | 256QAM | 12 | 0 | 18.64 | 18.78 | 18.72 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.59 | 18.67 | 18.63 | | | | |
| 5 | 256QAM | 12 | 13 | 18.62 | 18.74 | 18.55 | | | | |
| 5 | 256QAM | 25 | 0 | 18.73 | 18.86 | 18.71 | | | | |
| Channel | | | | | | | | | | |
| | | | | 703.5 | 707.5 | 714.5 | | | | |
| 3 | QPSK | 1 | 0 | 23.64 | 23.63 | 23.66 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.57 | 23.56 | 23.58 | | | | |
| 3 | QPSK | 1 | 14 | 23.53 | 23.57 | 23.59 | | | | |
| 3 | QPSK | 8 | 0 | 22.52 | 22.66 | 22.58 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.58 | 22.57 | 22.51 | | | | |
| 3 | QPSK | 8 | 7 | 22.56 | 22.54 | 22.58 | | | | |
| 3 | QPSK | 15 | 0 | 22.60 | 22.58 | 22.61 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.59 | 22.54 | 22.59 | | | | |
| 3 | 16QAM | 1 | 8 | 22.58 | 22.51 | 22.80 | | | | |
| 3 | 16QAM | 1 | 14 | 22.63 | 22.58 | 22.61 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 0 | 21.59 | 21.75 | 21.65 | | | | |
| 3 | 16QAM | 8 | 4 | 21.58 | 21.87 | 21.81 | | | | |
| 3 | 16QAM | 8 | 7 | 21.56 | 21.72 | 21.65 | 22.5 | 3 | | |
| 3 | 16QAM | 15 | 0 | 21.55 | 21.63 | 21.54 | | | | |
| 3 | 64QAM | 1 | 0 | 21.60 | 21.72 | 21.63 | | | | |
| 3 | 64QAM | 1 | 8 | 21.56 | 21.64 | 21.60 | 22.5 | 3 | | |
| 3 | 64QAM | 1 | 14 | 21.59 | 21.64 | 21.57 | | | | |
| 3 | 64QAM | 8 | 0 | 20.79 | 20.86 | 20.79 | | | | |
| 3 | 64QAM | 8 | 4 | 20.77 | 20.71 | 20.72 | 22.5 | 3 | | |
| 3 | 64QAM | 8 | 7 | 20.74 | 20.79 | 20.71 | | | | |
| 3 | 64QAM | 15 | 0 | 20.63 | 20.75 | 20.61 | | | | |
| 3 | 256QAM | 1 | 0 | 18.74 | 18.88 | 18.79 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 8 | 18.76 | 18.78 | 18.79 | | | | |
| 3 | 256QAM | 1 | 14 | 18.79 | 18.84 | 18.61 | | | | |
| 3 | 256QAM | 8 | 0 | 18.70 | 18.82 | 18.72 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 4 | 18.68 | 18.71 | 18.61 | | | | |
| 3 | 256QAM | 8 | 7 | 18.62 | 18.79 | 18.63 | | | | |
| 3 | 256QAM | 15 | 0 | 18.73 | 18.87 | 18.72 | | | | |
| Channel | | | | | | | | | | |
| | | | | 699.7 | 707.5 | 716.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 23.64 | 23.55 | 23.58 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 23.52 | 23.51 | 23.55 | | | | |
| 1.4 | QPSK | 1 | 5 | 23.58 | 23.70 | 23.65 | | | | |
| 1.4 | QPSK | 3 | 0 | 23.55 | 23.63 | 23.59 | 24.5 | 1 | | |
| 1.4 | QPSK | 3 | 1 | 23.56 | 23.58 | 23.59 | | | | |
| 1.4 | QPSK | 3 | 3 | 23.52 | 23.52 | 23.54 | | | | |
| 1.4 | QPSK | 6 | 0 | 22.68 | 22.72 | 22.61 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 0 | 22.62 | 22.68 | 22.59 | | | | |
| 1.4 | 16QAM | 1 | 3 | 22.64 | 22.51 | 22.57 | | | | |
| 1.4 | 16QAM | 1 | 5 | 22.64 | 22.60 | 22.53 | 24.5 | 1 | | |
| 1.4 | 16QAM | 3 | 0 | 22.84 | 22.57 | 22.61 | | | | |
| 1.4 | 16QAM | 3 | 1 | 22.51 | 22.57 | 22.60 | | | | |
| 1.4 | 16QAM | 3 | 3 | 22.68 | 22.52 | 22.59 | 23.5 | 2 | | |
| 1.4 | 16QAM | 6 | 0 | 21.66 | 21.75 | 21.68 | | | | |
| 1.4 | 16QAM | 1 | 0 | 21.59 | 21.59 | 21.52 | | | | |
| 1.4 | 16QAM | 1 | 3 | 21.59 | 21.67 | 21.52 | 23.5 | 2 | | |
| 1.4 | 16QAM | 1 | 5 | 21.64 | 21.58 | 21.52 | | | | |
| 1.4 | 16QAM | 3 | 0 | 21.55 | 21.71 | 21.60 | | | | |
| 1.4 | 16QAM | 3 | 1 | 21.59 | 21.69 | 21.63 | 22.5 | 3 | | |
| 1.4 | 16QAM | 3 | 3 | 21.53 | 21.58 | 21.53 | | | | |
| 1.4 | 16QAM | 6 | 0 | 20.74 | 20.82 | 20.66 | | | | |
| 1.4 | 256QAM | 1 | 0 | 18.75 | 18.87 | 18.87 | 20.5 | 5 | | |
| 1.4 | 256QAM | 1 | 3 | 18.77 | 18.87 | 18.79 | | | | |
| 1.4 | 256QAM | 1 | 5 | 18.79 | 18.74 | 18.61 | | | | |
| 1.4 | 256QAM | 3 | 0 | 18.70 | 18.73 | 18.74 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 1 | 18.65 | 18.67 | 18.60 | | | | |
| 1.4 | 256QAM | 3 | 3 | 18.66 | 18.76 | 18.66 | | | | |
| 1.4 | 256QAM | 5 | 0 | 18.79 | 18.78 | 18.76 | | | | |



Band 17 Other PA Ant1

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power High Ch. / Freq. | Power Mid Ch. / Freq. | Turn-up limit (dB) | MFR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|--------------------|----------|
| Channel | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 23.07 | 23.70 | 23.69 | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 23.54 | 23.69 | 23.51 | | |
| 10 | QPSK | 1 | 49 | 23.05 | 23.69 | 23.81 | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.60 | 22.58 | 24.5 | 1 |
| 10 | QPSK | 25 | 12 | 22.53 | 22.59 | 22.85 | | |
| 10 | QPSK | 25 | 25 | 22.83 | 22.58 | 22.58 | | |
| 10 | QPSK | 50 | 0 | 22.07 | 22.61 | 22.54 | 24.5 | 1 |
| 10 | 16QAM | 1 | 0 | 22.90 | 22.96 | 22.59 | | |
| 10 | 16QAM | 1 | 25 | 22.57 | 22.53 | 22.51 | | |
| 10 | 16QAM | 1 | 49 | 22.63 | 22.59 | 22.52 | 23.5 | 2 |
| 10 | 16QAM | 25 | 0 | 21.81 | 21.71 | 21.66 | | |
| 10 | 16QAM | 25 | 12 | 21.81 | 21.58 | 21.58 | | |
| 10 | 16QAM | 25 | 25 | 21.51 | 21.72 | 21.52 | 23.5 | 2 |
| 10 | 16QAM | 50 | 0 | 21.57 | 21.60 | 21.58 | | |
| 10 | 64QAM | 1 | 0 | 21.50 | 21.74 | 21.63 | | |
| 10 | 64QAM | 1 | 25 | 21.58 | 21.59 | 21.63 | 22.5 | 3 |
| 10 | 64QAM | 1 | 49 | 21.54 | 21.66 | 21.60 | | |
| 10 | 64QAM | 25 | 0 | 20.86 | 20.87 | 20.85 | | |
| 10 | 64QAM | 25 | 12 | 20.71 | 20.81 | 20.86 | 20.5 | 5 |
| 10 | 64QAM | 25 | 25 | 20.71 | 20.78 | 20.78 | | |
| 10 | 64QAM | 50 | 0 | 20.53 | 20.73 | 20.63 | | |
| 10 | 256QAM | 1 | 0 | 18.72 | 18.80 | 18.81 | 20.5 | 5 |
| 10 | 256QAM | 1 | 25 | 18.73 | 18.78 | 18.74 | | |
| 10 | 256QAM | 1 | 49 | 18.78 | 18.84 | 18.83 | | |
| 10 | 256QAM | 25 | 0 | 18.60 | 18.76 | 18.73 | 20.5 | 5 |
| 10 | 256QAM | 25 | 12 | 18.67 | 18.67 | 18.63 | | |
| 10 | 256QAM | 25 | 25 | 18.66 | 18.72 | 18.55 | | |
| 10 | 256QAM | 50 | 0 | 18.72 | 18.87 | 18.71 | | |
| Channel | | | | 21765 | 21769 | 21765 | | |
| Frequency (MHz) | | | | 709.5 | 710 | 711.5 | Turn-up limit (dB) | MFR (dB) |
| 5 | QPSK | 1 | 0 | 23.51 | 23.65 | 23.54 | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 23.53 | 23.56 | 23.57 | | |
| 5 | QPSK | 1 | 24 | 23.54 | 23.64 | 23.56 | | |
| 5 | QPSK | 12 | 0 | 22.72 | 22.83 | 22.67 | 24.5 | 1 |
| 5 | QPSK | 12 | 7 | 22.92 | 22.74 | 22.69 | | |
| 5 | QPSK | 12 | 13 | 22.58 | 22.72 | 22.59 | | |
| 5 | QPSK | 25 | 0 | 22.68 | 22.72 | 22.64 | 24.5 | 1 |
| 5 | 16QAM | 1 | 0 | 22.67 | 22.65 | 22.59 | | |
| 5 | 16QAM | 1 | 12 | 22.55 | 22.86 | 22.57 | | |
| 5 | 16QAM | 1 | 24 | 22.51 | 22.59 | 22.58 | 23.5 | 2 |
| 5 | 16QAM | 12 | 0 | 21.75 | 21.84 | 21.73 | | |
| 5 | 16QAM | 12 | 7 | 21.72 | 21.67 | 21.81 | | |
| 5 | 16QAM | 12 | 13 | 21.61 | 21.69 | 21.66 | 23.5 | 2 |
| 5 | 16QAM | 25 | 0 | 21.58 | 21.69 | 21.56 | | |
| 5 | 64QAM | 1 | 0 | 21.59 | 21.72 | 21.67 | | |
| 5 | 64QAM | 1 | 12 | 21.54 | 21.62 | 21.60 | 22.5 | 3 |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.52 | | |
| 5 | 64QAM | 12 | 0 | 20.92 | 20.90 | 20.85 | | |
| 5 | 64QAM | 12 | 7 | 20.83 | 20.76 | 20.85 | 20.5 | 5 |
| 5 | 64QAM | 12 | 13 | 20.73 | 20.75 | 20.74 | | |
| 5 | 64QAM | 25 | 0 | 20.65 | 20.69 | 20.59 | | |
| 5 | 256QAM | 1 | 0 | 18.72 | 18.80 | 18.81 | 20.5 | 5 |
| 5 | 256QAM | 1 | 12 | 18.72 | 18.85 | 18.77 | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.81 | 18.69 | | |
| 5 | 256QAM | 12 | 0 | 18.75 | 18.72 | 18.69 | 20.5 | 5 |
| 5 | 256QAM | 12 | 7 | 18.60 | 18.70 | 18.61 | | |
| 5 | 256QAM | 12 | 13 | 18.66 | 18.73 | 18.67 | | |
| 5 | 256QAM | 25 | 0 | 18.68 | 18.93 | 18.69 | | |



DSI 3 Power for WWAN Other PA

| Band 5 Ant0 | | | | | | | | | |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 20450 | 20525 | 20600 | | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | | |
| 10 | QPSK | 1 | 0 | 24.82 | 24.85 | 24.77 | | | |
| 10 | QPSK | 1 | 25 | 24.74 | 24.73 | 24.69 | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.68 | 24.68 | 24.61 | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.75 | 23.66 | | | |
| 10 | QPSK | 25 | 12 | 23.64 | 23.65 | 23.64 | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.67 | 23.65 | 23.65 | | | |
| 10 | QPSK | 50 | 0 | 23.59 | 23.72 | 23.62 | | | |
| 10 | 16QAM | 1 | 0 | 23.73 | 23.86 | 23.73 | | | |
| 10 | 16QAM | 1 | 25 | 23.74 | 23.80 | 23.71 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 23.70 | 23.76 | 23.67 | | | |
| 10 | 16QAM | 25 | 0 | 22.79 | 22.91 | 22.78 | | | |
| 10 | 16QAM | 25 | 12 | 22.70 | 22.77 | 22.71 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 22.86 | 22.71 | 22.66 | | | |
| 10 | 16QAM | 50 | 0 | 22.69 | 22.80 | 22.70 | | | |
| 10 | 64QAM | 1 | 0 | 22.74 | 22.84 | 22.71 | | | |
| 10 | 64QAM | 1 | 25 | 22.61 | 22.76 | 22.70 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.59 | 22.69 | 22.62 | | | |
| 10 | 64QAM | 25 | 0 | 21.79 | 21.89 | 21.79 | | | |
| 10 | 64QAM | 25 | 12 | 21.65 | 21.76 | 21.69 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 21.71 | 21.82 | 21.72 | | | |
| 10 | 64QAM | 50 | 0 | 21.68 | 21.81 | 21.73 | | | |
| 10 | 256QAM | 1 | 0 | 19.52 | 19.65 | 19.58 | | | |
| 10 | 256QAM | 1 | 25 | 19.42 | 19.56 | 19.47 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 49 | 19.42 | 19.52 | 19.41 | | | |
| 10 | 256QAM | 25 | 0 | 19.54 | 19.60 | 19.52 | | | |
| 10 | 256QAM | 25 | 12 | 19.44 | 19.54 | 19.39 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 25 | 19.36 | 19.47 | 19.33 | | | |
| 10 | 256QAM | 50 | 0 | 19.45 | 19.52 | 19.37 | | | |
| Channel | | | | 20425 | 20525 | 20625 | | | |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | | |
| 5 | QPSK | 1 | 0 | 24.73 | 24.77 | 24.64 | | | |
| 5 | QPSK | 1 | 12 | 24.61 | 24.66 | 24.57 | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.61 | 24.54 | 24.54 | | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.67 | 23.56 | | | |
| 5 | QPSK | 12 | 7 | 23.58 | 23.54 | 23.55 | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.54 | 23.43 | 23.58 | | | |
| 5 | QPSK | 25 | 0 | 23.46 | 23.58 | 23.55 | | | |
| 5 | 16QAM | 1 | 0 | 23.64 | 23.80 | 23.67 | | | |
| 5 | 16QAM | 1 | 12 | 23.62 | 23.73 | 23.60 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 24 | 23.62 | 23.63 | 23.58 | | | |
| 5 | 16QAM | 12 | 0 | 22.67 | 22.82 | 22.65 | | | |
| 5 | 16QAM | 12 | 7 | 22.68 | 22.62 | 22.60 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 22.54 | 22.62 | 22.57 | | | |
| 5 | 16QAM | 25 | 0 | 22.63 | 22.69 | 22.60 | | | |
| 5 | 64QAM | 1 | 0 | 22.68 | 22.74 | 22.63 | | | |
| 5 | 64QAM | 1 | 12 | 22.51 | 22.64 | 22.58 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 22.47 | 22.59 | 22.50 | | | |
| 5 | 64QAM | 12 | 0 | 21.67 | 21.77 | 21.71 | | | |
| 5 | 64QAM | 12 | 7 | 21.58 | 21.62 | 21.60 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.66 | 21.68 | 21.61 | | | |
| 5 | 64QAM | 25 | 0 | 21.60 | 21.75 | 21.61 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.56 | 19.44 | | | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.49 | 19.38 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.44 | 19.29 | | | |
| 5 | 256QAM | 12 | 0 | 19.46 | 19.45 | 19.41 | | | |
| 5 | 256QAM | 12 | 7 | 19.33 | 19.45 | 19.33 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 19.27 | 19.40 | 19.20 | | | |
| 5 | 256QAM | 25 | 0 | 19.32 | 19.41 | 19.28 | | | |
| Channel | | | | 20415 | 20525 | 20635 | | | |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | | |
| 3 | QPSK | 1 | 0 | 24.77 | 24.77 | 24.65 | | | |
| 3 | QPSK | 1 | 8 | 24.65 | 24.63 | 24.55 | 25.5 | 0 | |
| 3 | QPSK | 1 | 14 | 24.54 | 24.54 | 24.52 | | | |
| 3 | QPSK | 8 | 0 | 23.50 | 23.58 | 23.55 | | | |
| 3 | QPSK | 8 | 4 | 23.50 | 23.60 | 23.59 | 24.5 | 1 | |
| 3 | QPSK | 8 | 7 | 23.56 | 23.52 | 23.52 | | | |
| 3 | QPSK | 15 | 0 | 23.51 | 23.57 | 23.48 | | | |
| 3 | 16QAM | 1 | 0 | 23.66 | 23.81 | 23.59 | | | |
| 3 | 16QAM | 1 | 8 | 23.60 | 23.67 | 23.60 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 14 | 23.62 | 23.62 | 23.60 | | | |
| 3 | 16QAM | 8 | 0 | 22.71 | 22.85 | 22.72 | | | |
| 3 | 16QAM | 8 | 4 | 22.56 | 22.70 | 22.65 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 7 | 22.55 | 22.57 | 22.53 | | | |
| 3 | 16QAM | 15 | 0 | 22.58 | 22.67 | 22.65 | | | |
| 3 | 64QAM | 1 | 0 | 22.60 | 22.78 | 22.61 | | | |
| 3 | 64QAM | 1 | 8 | 22.52 | 22.70 | 22.59 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 22.45 | 22.63 | 22.50 | | | |
| 3 | 64QAM | 8 | 0 | 21.68 | 21.80 | 21.67 | | | |
| 3 | 64QAM | 8 | 4 | 21.51 | 21.64 | 21.57 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.57 | 21.68 | 21.61 | | | |
| 3 | 64QAM | 15 | 0 | 21.60 | 21.70 | 21.65 | | | |
| 3 | 256QAM | 1 | 0 | 19.42 | 19.50 | 19.52 | | | |
| 3 | 256QAM | 1 | 8 | 19.32 | 19.44 | 19.33 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 14 | 19.35 | 19.45 | 19.36 | | | |
| 3 | 256QAM | 8 | 0 | 19.47 | 19.51 | 19.44 | | | |
| 3 | 256QAM | 8 | 4 | 19.39 | 19.47 | 19.33 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 7 | 19.27 | 19.38 | 19.23 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.41 | 19.24 | | | |
| Channel | | | | 20407 | 20525 | 20643 | | | |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | | |
| 1.4 | QPSK | 1 | 0 | 24.74 | 24.78 | 24.64 | | | |
| 1.4 | QPSK | 1 | 3 | 24.63 | 24.67 | 24.54 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 5 | 24.61 | 24.55 | 24.50 | | | |
| 1.4 | QPSK | 3 | 0 | 23.56 | 23.68 | 23.59 | | | |
| 1.4 | QPSK | 3 | 1 | 23.51 | 23.57 | 23.52 | | | |
| 1.4 | QPSK | 3 | 3 | 23.55 | 23.51 | 23.59 | 24.5 | 1 | |
| 1.4 | QPSK | 6 | 0 | 23.46 | 23.62 | 23.49 | | | |
| 1.4 | 16QAM | 1 | 0 | 23.61 | 23.79 | 23.58 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.66 | 23.69 | 23.62 | | | |
| 1.4 | 16QAM | 1 | 5 | 23.60 | 23.65 | 23.56 | 24.5 | 1 | |
| 1.4 | 16QAM | 3 | 0 | 23.59 | 23.75 | 23.64 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.64 | 23.67 | 23.63 | | | |
| 1.4 | 16QAM | 3 | 3 | 23.55 | 23.63 | 23.52 | | | |
| 1.4 | 16QAM | 6 | 0 | 22.74 | 22.81 | 22.69 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 0 | 22.63 | 22.69 | 22.66 | | | |
| 1.4 | 64QAM | 1 | 3 | 22.57 | 22.58 | 22.53 | | | |
| 1.4 | 64QAM | 1 | 5 | 22.56 | 22.71 | 22.56 | 23.5 | 2 | |
| 1.4 | 64QAM | 3 | 0 | 22.64 | 22.77 | 22.63 | | | |
| 1.4 | 64QAM | 3 | 1 | 22.49 | 22.66 | 22.59 | | | |
| 1.4 | 64QAM | 3 | 3 | 22.49 | 22.61 | 22.48 | | | |
| 1.4 | 64QAM | 6 | 0 | 21.70 | 21.76 | 21.64 | 22.5 | 3 | |
| 1.4 | 256QAM | 1 | 0 | 19.47 | 19.55 | 19.51 | | | |
| 1.4 | 256QAM | 1 | 3 | 19.34 | 19.42 | 19.38 | | | |
| 1.4 | 256QAM | 1 | 5 | 19.30 | 19.42 | 19.30 | 20.5 | 5 | |
| 1.4 | 256QAM | 3 | 0 | 19.40 | 19.49 | 19.38 | | | |
| 1.4 | 256QAM | 3 | 1 | 19.32 | 19.41 | 19.27 | | | |
| 1.4 | 256QAM | 3 | 3 | 19.22 | 19.32 | 19.19 | | | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.32 | 20.5 | 5 | |



| Band 4 Other PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|-------------------|------------------------|------------------------|-------------------------|---------------------|----------|----------|
| RF [MHz] | Modulation | RB Size | RB Offset | Power Ch. / Freq. | Power Ind. Ch. / Freq. | Power Hdr. Ch. / Freq. | Power Tail. Ch. / Freq. | Tune-up limit (dBm) | MFR (dB) | MFR (dB) |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 24.44 | 24.49 | 24.41 | | 25.5 | 0 | |
| 20 | QPSK | 1 | 49 | 24.44 | 24.47 | 24.38 | | 25.5 | 0 | |
| 20 | QPSK | 1 | 99 | 24.29 | 24.42 | 24.38 | | 25.5 | 0 | |
| 20 | QPSK | 10 | 0 | 23.31 | 23.33 | 23.33 | | 24.5 | 1 | |
| 20 | QPSK | 10 | 24 | 23.30 | 23.43 | 23.40 | | 24.5 | 1 | |
| 20 | QPSK | 60 | 50 | 23.32 | 23.38 | 23.38 | | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 23.37 | 23.46 | 23.38 | | 24.5 | 1 | |
| 20 | QPSK | 100 | 0 | 23.32 | 23.45 | 23.38 | | 24.5 | 1 | |
| 20 | HQAM | 1 | 49 | 23.32 | 23.39 | 23.30 | | 24.5 | 1 | |
| 20 | HQAM | 1 | 99 | 23.24 | 23.35 | 23.30 | | 24.5 | 1 | |
| 20 | HQAM | 50 | 0 | 22.41 | 22.55 | 22.44 | | 23.5 | 2 | |
| 20 | HQAM | 50 | 24 | 22.31 | 22.41 | 22.27 | | 23.5 | 2 | |
| 20 | HQAM | 100 | 0 | 22.44 | 22.50 | 22.38 | | 23.5 | 2 | |
| 20 | HQAM | 100 | 0 | 22.37 | 22.52 | 22.49 | | 23.5 | 2 | |
| 20 | HQAM | 1 | 99 | 22.24 | 22.37 | 22.31 | | 22.5 | 3 | |
| 20 | HQAM | 50 | 0 | 21.41 | 21.46 | 21.38 | | 22.5 | 3 | |
| 20 | HQAM | 50 | 50 | 21.27 | 21.39 | 21.31 | | 22.5 | 3 | |
| 20 | HQAM | 100 | 0 | 21.30 | 21.41 | 21.36 | | 22.5 | 3 | |
| 20 | HQAM | 1 | 0 | 19.41 | 19.40 | 19.44 | | 20.5 | 5 | |
| 20 | HQAM | 1 | 49 | 19.29 | 19.40 | 19.35 | | 20.5 | 5 | |
| 20 | HQAM | 1 | 99 | 19.24 | 19.36 | 19.28 | | 20.5 | 5 | |
| 20 | HQAM | 10 | 0 | 19.34 | 19.44 | 19.34 | | 20.5 | 5 | |
| 20 | HQAM | 10 | 24 | 19.30 | 19.38 | 19.25 | | 20.5 | 5 | |
| 20 | HQAM | 50 | 50 | 19.27 | 19.31 | 19.18 | | 20.5 | 5 | |
| 20 | HQAM | 100 | 0 | 19.27 | 19.32 | 19.22 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 24.40 | 24.42 | 24.24 | | 25.5 | 0 | |
| 15 | QPSK | 1 | 37 | 24.28 | 24.34 | 24.26 | | 25.5 | 0 | |
| 15 | QPSK | 1 | 74 | 24.19 | 24.28 | 24.32 | | 25.5 | 0 | |
| 15 | QPSK | 10 | 0 | 23.27 | 23.31 | 23.16 | | 24.5 | 1 | |
| 15 | QPSK | 10 | 20 | 23.24 | 23.28 | 23.35 | | 24.5 | 1 | |
| 15 | QPSK | 36 | 30 | 23.23 | 23.22 | 23.23 | | 24.5 | 1 | |
| 15 | QPSK | 100 | 0 | 23.28 | 23.42 | 23.23 | | 24.5 | 1 | |
| 15 | HQAM | 1 | 0 | 23.28 | 23.38 | 23.24 | | 24.5 | 1 | |
| 15 | HQAM | 1 | 37 | 23.22 | 23.29 | 23.19 | | 24.5 | 1 | |
| 15 | HQAM | 1 | 74 | 23.17 | 23.25 | 23.24 | | 24.5 | 1 | |
| 15 | HQAM | 36 | 0 | 22.31 | 22.50 | 22.37 | | 23.5 | 2 | |
| 15 | HQAM | 36 | 20 | 22.23 | 22.28 | 22.18 | | 23.5 | 2 | |
| 15 | HQAM | 36 | 39 | 22.12 | 22.26 | 22.23 | | 23.5 | 2 | |
| 15 | HQAM | 75 | 0 | 22.33 | 22.37 | 22.27 | | 23.5 | 2 | |
| 15 | HQAM | 1 | 0 | 22.24 | 22.43 | 22.38 | | 23.5 | 2 | |
| 15 | HQAM | 1 | 37 | 22.26 | 22.39 | 22.32 | | 23.5 | 2 | |
| 15 | HQAM | 1 | 74 | 22.21 | 22.24 | 22.24 | | 23.5 | 2 | |
| 15 | HQAM | 36 | 0 | 21.34 | 21.35 | 21.24 | | 22.5 | 3 | |
| 15 | HQAM | 36 | 20 | 21.28 | 21.43 | 21.27 | | 22.5 | 3 | |
| 15 | HQAM | 36 | 39 | 21.18 | 21.34 | 21.27 | | 22.5 | 3 | |
| 15 | HQAM | 75 | 0 | 21.21 | 21.31 | 21.25 | | 22.5 | 3 | |
| 15 | HQAM | 1 | 0 | 19.33 | 19.44 | 19.34 | | 20.5 | 5 | |
| 15 | HQAM | 1 | 37 | 19.18 | 19.28 | 19.28 | | 20.5 | 5 | |
| 15 | HQAM | 1 | 74 | 19.14 | 19.25 | 19.20 | | 20.5 | 5 | |
| 15 | HQAM | 10 | 0 | 19.20 | 19.37 | 19.27 | | 20.5 | 5 | |
| 15 | HQAM | 10 | 20 | 19.27 | 19.33 | 19.18 | | 20.5 | 5 | |
| 15 | HQAM | 36 | 30 | 19.19 | 19.27 | 19.10 | | 20.5 | 5 | |
| 15 | HQAM | 100 | 0 | 19.11 | 19.32 | 19.20 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.43 | 24.45 | 24.32 | | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.20 | 24.32 | 24.17 | | 25.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.17 | 24.30 | 24.29 | | 25.5 | 0 | |
| 10 | QPSK | 10 | 0 | 23.17 | 23.44 | 23.18 | | 24.5 | 1 | |
| 10 | QPSK | 10 | 25 | 23.29 | 23.28 | 23.28 | | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.20 | 23.25 | 23.18 | | 24.5 | 1 | |
| 10 | QPSK | 100 | 0 | 23.28 | 23.42 | 23.23 | | 24.5 | 1 | |
| 10 | HQAM | 1 | 0 | 23.19 | 23.32 | 23.28 | | 24.5 | 1 | |
| 10 | HQAM | 1 | 25 | 23.27 | 23.31 | 23.20 | | 24.5 | 1 | |
| 10 | HQAM | 1 | 49 | 23.20 | 23.27 | 23.20 | | 24.5 | 1 | |
| 10 | HQAM | 25 | 0 | 22.33 | 22.44 | 22.34 | | 23.5 | 2 | |
| 10 | HQAM | 25 | 12 | 22.19 | 22.28 | 22.14 | | 23.5 | 2 | |
| 10 | HQAM | 25 | 39 | 22.10 | 22.30 | 22.23 | | 23.5 | 2 | |
| 10 | HQAM | 50 | 0 | 22.39 | 22.41 | 22.25 | | 23.5 | 2 | |
| 10 | HQAM | 1 | 0 | 22.27 | 22.41 | 22.41 | | 23.5 | 2 | |
| 10 | HQAM | 1 | 25 | 22.29 | 22.33 | 22.31 | | 23.5 | 2 | |
| 10 | HQAM | 1 | 49 | 22.18 | 22.32 | 22.25 | | 23.5 | 2 | |
| 10 | HQAM | 25 | 0 | 21.35 | 21.39 | 21.29 | | 22.5 | 3 | |
| 10 | HQAM | 25 | 12 | 21.08 | 21.24 | 21.22 | | 22.5 | 3 | |
| 10 | HQAM | 25 | 39 | 21.22 | 21.25 | 21.24 | | 22.5 | 3 | |
| 10 | HQAM | 50 | 0 | 21.17 | 21.33 | 21.24 | | 22.5 | 3 | |
| 10 | HQAM | 50 | 0 | 19.27 | 19.43 | 19.35 | | 20.5 | 5 | |
| 10 | HQAM | 1 | 25 | 19.23 | 19.27 | 19.22 | | 20.5 | 5 | |
| 10 | HQAM | 1 | 49 | 19.12 | 19.28 | 19.24 | | 20.5 | 5 | |
| 10 | HQAM | 1 | 99 | 19.08 | 19.30 | 19.23 | | 20.5 | 5 | |
| 10 | HQAM | 10 | 0 | 19.19 | 19.30 | 19.12 | | 20.5 | 5 | |
| 10 | HQAM | 10 | 20 | 19.17 | 19.19 | 19.06 | | 20.5 | 5 | |
| 10 | HQAM | 36 | 30 | 19.17 | 19.24 | 19.21 | | 20.5 | 5 | |
| 10 | HQAM | 100 | 0 | 19.17 | 19.24 | 19.21 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.53 | 24.45 | 24.34 | | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.24 | 24.33 | 24.17 | | 25.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.18 | 24.33 | 24.33 | | 25.5 | 0 | |
| 5 | QPSK | 12 | 0 | 23.17 | 23.46 | 23.21 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.27 | 23.24 | 23.28 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.23 | 23.22 | 23.16 | | 24.5 | 1 | |
| 5 | QPSK | 12 | 20 | 23.20 | 23.42 | 23.23 | | 24.5 | 1 | |
| 5 | HQAM | 1 | 0 | 23.25 | 23.31 | 23.24 | | 24.5 | 1 | |
| 5 | HQAM | 1 | 12 | 23.17 | 23.33 | 23.21 | | 24.5 | 1 | |
| 5 | HQAM | 1 | 24 | 23.10 | 23.29 | 23.23 | | 24.5 | 1 | |
| 5 | HQAM | 12 | 0 | 22.29 | 22.43 | 22.34 | | 23.5 | 2 | |
| 5 | HQAM | 12 | 7 | 22.20 | 22.34 | 22.20 | | 23.5 | 2 | |
| 5 | HQAM | 12 | 13 | 22.10 | 22.25 | 22.12 | | 23.5 | 2 | |
| 5 | HQAM | 25 | 0 | 22.30 | 22.40 | 22.28 | | 23.5 | 2 | |
| 5 | HQAM | 1 | 0 | 22.22 | 22.41 | 22.39 | | 23.5 | 2 | |
| 5 | HQAM | 1 | 12 | 22.14 | 22.37 | 22.30 | | 23.5 | 2 | |
| 5 | HQAM | 1 | 24 | 22.13 | 22.28 | 22.20 | | 23.5 | 2 | |
| 5 | HQAM | 12 | 0 | 21.30 | 21.34 | 21.28 | | 22.5 | 3 | |
| 5 | HQAM | 12 | 7 | 21.04 | 21.20 | 21.18 | | 22.5 | 3 | |
| 5 | HQAM | 12 | 13 | 21.21 | 21.29 | 21.21 | | 22.5 | 3 | |
| 5 | HQAM | 25 | 0 | 21.11 | 21.29 | 21.22 | | 22.5 | 3 | |
| 5 | HQAM | 1 | 0 | 19.28 | 19.43 | 19.38 | | 20.5 | 5 | |
| 5 | HQAM | 1 | 12 | 19.23 | 19.31 | 19.22 | | 20.5 | 5 | |
| 5 | HQAM | 1 | 24 | 19.19 | 19.32 | 19.24 | | 20.5 | 5 | |
| 5 | HQAM | 12 | 0 | 19.35 | 19.37 | 19.25 | | 20.5 | 5 | |
| 5 | HQAM | 12 | 7 | 19.24 | 19.31 | 19.19 | | 20.5 | 5 | |
| 5 | HQAM | 12 | 13 | 19.15 | 19.20 | 19.04 | | 20.5 | 5 | |
| 5 | HQAM | 25 | 0 | 19.11 | 19.30 | 19.18 | | 20.5 | 5 | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.29 | 24.46 | 24.29 | | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 24.30 | 24.39 | 24.21 | | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 6 | 24.12 | 24.29 | 24.31 | | 25.5 | 0 | |
| 1.4 | QPSK | 3 | 0 | 24.30 | 24.44 | 24.31 | | 25.5 | 0 | |
| 1.4 | QPSK | 3 | 1 | 24.27 | 24.34 | 24.28 | | 25.5 | 0 | |
| 1.4 | QPSK | 3 | 4 | 24.24 | 24.34 | 24.32 | | 25.5 | 0 | |
| 1.4 | QPSK | 6 | 0 | 23.19 | 23.40 | 23.23 | | 24.5 | 1 | |
| 1.4 | HQAM | 1 | 0 | 23.31 | 23.32 | 23.32 | | 24.5 | 1 | |
| 1.4 | HQAM | 1 | 14 | 23.12 | 23.22 | 23.14 | | 24.5 | 1 | |
| 1.4 | HQAM | 1 | 5 | 23.25 | 23.39 | 23.30 | | 24.5 | 1 | |
| 1.4 | HQAM | 3 | 0 | 23.20 | 23.38 | 23.25 | | 24.5 | 1 | |
| 1.4 | HQAM | 3 | 3 | 23.19 | 23.32 | 23.17 | | 24.5 | 1 | |
| 1.4 | HQAM | 6 | 0 | 22.37 | 22.43 | 22.33 | | 23.5 | 2 | |
| 1.4 | HQAM | 1 | 0 | 21.15 | 21.34 | 21.15 | | 22.5 | 3 | |
| 1.4 | HQAM | 1 | 3 | 22.19 | 22.28 | 22.12 | | 23.5 | 2 | |
| 1.4 | HQAM | 1 | 5 | 22.35 | 22.37 | 22.25 | | 23.5 | 2 | |
| 1.4 | HQAM | 3 | 0 | 22.22 | 22.44 | 22.46 | | 23.5 | 2 | |
| 1.4 | HQAM | 3 | 1 | 22.32 | 22.32 | 22.29 | | 23.5 | 2 | |
| 1.4 | HQAM | 3 | 2 | 22.10 | 22.30 | 22.25 | | 23.5 | 2 | |
| 1.4 | HQAM | 6 | 0 | 21.10 | 21.35 | 21.28 | | 22.5 | 3 | |
| 1.4 | HQAM | 1 | 0 | 19.27 | 19.45 | 19.36 | | 20.5 | 5 | |
| 1.4 | HQAM | 1 | 3 | 19.16 | 19.32 | 19.22 | | 20.5 | 5 | |
| 1.4 | HQAM | 3 | 0 | 19.15 | 19.27 | 19.22 | | 20.5 | 5 | |
| 1.4 | HQAM | 3 | 1 | 19.29 | 19.36 | 19.21 | | 20.5 | 5 | |
| 1.4 | HQAM | 3 | 1 | 19.20 | 19.27 | 19.21 | | 20.5 | 5 | |
| 1.4 | HQAM | 6 | 0 | 19.19 | 19.28 | 19.22 | | 20.5 | 5 | |

| Band 5 Other PA Ant1 | | | | | | | | | | |
|----------------------|------------|---------|-----------|-------------------|------------------------|------------------------|-------------------------|---------------------|----------|----------|
| RF [MHz] | Modulation | RB Size | RB Offset | Power Ch. / Freq. | Power Ind. Ch. / Freq. | Power Hdr. Ch. / Freq. | Power Tail. Ch. / Freq. | Tune-up limit (dBm) | MFR (dB) | MFR (dB) |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.89 | 23.38 | 23.92 | | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 23.89 | 23.89 | 23.89 | | 25. | | |



| Band 4 Other PA Ant2 | | | | | | | | | | |
|----------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|--------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Tune-up (dB) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.68 | 23.85 | 23.77 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 23.67 | 23.73 | 23.81 | 24.5 | 0 | | |
| 20 | QPSK | 1 | 99 | 23.65 | 23.76 | 23.66 | 24.5 | 0 | | |
| 20 | QPSK | 50 | 0 | 22.69 | 22.82 | 22.70 | 23.5 | 1 | | |
| 20 | QPSK | 50 | 24 | 22.67 | 22.81 | 22.66 | 23.5 | 1 | | |
| 20 | QPSK | 50 | 50 | 22.71 | 22.79 | 22.74 | 23.5 | 1 | | |
| 20 | QPSK | 100 | 0 | 22.64 | 22.76 | 22.68 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 0 | 22.69 | 22.75 | 22.67 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 49 | 22.54 | 22.69 | 22.62 | 23.5 | 1 | | |
| 20 | 16QAM | 1 | 99 | 22.57 | 22.65 | 22.58 | 23.5 | 1 | | |
| 20 | 16QAM | 50 | 0 | 21.64 | 21.71 | 21.59 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 24 | 21.43 | 21.57 | 21.49 | 22.5 | 2 | | |
| 20 | 16QAM | 50 | 55 | 21.37 | 21.51 | 21.46 | 22.5 | 2 | | |
| 20 | 16QAM | 100 | 0 | 21.55 | 21.64 | 21.54 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 0 | 21.55 | 21.69 | 21.58 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 49 | 21.48 | 21.61 | 21.49 | 22.5 | 2 | | |
| 20 | 64QAM | 1 | 99 | 21.48 | 21.54 | 21.42 | 22.5 | 2 | | |
| 20 | 64QAM | 50 | 0 | 20.52 | 20.62 | 20.50 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 24 | 20.38 | 20.49 | 20.36 | 21.5 | 3 | | |
| 20 | 64QAM | 50 | 50 | 20.45 | 20.55 | 20.40 | 21.5 | 3 | | |
| 20 | 64QAM | 100 | 0 | 20.52 | 20.58 | 20.51 | 21.5 | 3 | | |
| 20 | 256QAM | 1 | 0 | 18.48 | 18.58 | 18.50 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 49 | 18.43 | 18.49 | 18.40 | 19.5 | 5 | | |
| 20 | 256QAM | 1 | 99 | 18.37 | 18.45 | 18.39 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 0 | 18.43 | 18.50 | 18.43 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 24 | 18.36 | 18.44 | 18.36 | 19.5 | 5 | | |
| 20 | 256QAM | 50 | 50 | 18.28 | 18.37 | 18.28 | 19.5 | 5 | | |
| 20 | 256QAM | 100 | 0 | 18.32 | 18.44 | 18.36 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 23.62 | 23.77 | 23.64 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 23.54 | 23.68 | 23.56 | 24.5 | 0 | | |
| 15 | QPSK | 1 | 74 | 23.59 | 23.62 | 23.57 | 24.5 | 0 | | |
| 15 | QPSK | 36 | 8 | 22.60 | 22.70 | 22.65 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 20 | 22.59 | 22.73 | 22.57 | 23.5 | 1 | | |
| 15 | QPSK | 36 | 39 | 22.62 | 22.71 | 22.67 | 23.5 | 1 | | |
| 15 | QPSK | 75 | 0 | 22.54 | 22.72 | 22.57 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 0 | 22.62 | 22.67 | 22.58 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 37 | 22.43 | 22.59 | 22.55 | 23.5 | 1 | | |
| 15 | 16QAM | 1 | 74 | 22.44 | 22.53 | 22.46 | 23.5 | 1 | | |
| 15 | 16QAM | 36 | 0 | 21.58 | 21.65 | 21.53 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 20 | 21.35 | 21.50 | 21.39 | 22.5 | 2 | | |
| 15 | 16QAM | 36 | 39 | 21.26 | 21.37 | 21.23 | 22.5 | 2 | | |
| 15 | 16QAM | 75 | 0 | 21.48 | 21.58 | 21.43 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 0 | 21.41 | 21.55 | 21.42 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 37 | 21.39 | 21.50 | 21.35 | 22.5 | 2 | | |
| 15 | 64QAM | 1 | 74 | 21.40 | 21.48 | 21.34 | 22.5 | 2 | | |
| 15 | 64QAM | 36 | 0 | 20.40 | 20.53 | 20.36 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 20 | 20.29 | 20.36 | 20.22 | 21.5 | 3 | | |
| 15 | 64QAM | 36 | 39 | 20.37 | 20.50 | 20.41 | 21.5 | 3 | | |
| 15 | 64QAM | 75 | 0 | 20.37 | 20.49 | 20.40 | 21.5 | 3 | | |
| 15 | 256QAM | 1 | 0 | 18.42 | 18.44 | 18.44 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.38 | 18.27 | 19.5 | 5 | | |
| 15 | 256QAM | 1 | 74 | 18.26 | 18.38 | 18.31 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 0 | 18.28 | 18.37 | 18.30 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 20 | 18.24 | 18.37 | 18.30 | 19.5 | 5 | | |
| 15 | 256QAM | 36 | 39 | 18.20 | 18.28 | 18.15 | 19.5 | 5 | | |
| 15 | 256QAM | 75 | 0 | 18.22 | 18.37 | 18.22 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.58 | 23.76 | 23.65 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.55 | 23.59 | 23.53 | 24.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.54 | 23.71 | 23.55 | 24.5 | 0 | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.70 | 22.65 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.55 | 22.73 | 22.61 | 23.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 22.63 | 22.72 | 22.64 | 23.5 | 1 | | |
| 10 | QPSK | 50 | 0 | 22.58 | 22.67 | 22.55 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.61 | 22.61 | 22.58 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 25 | 22.44 | 22.63 | 22.54 | 23.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.48 | 22.55 | 22.46 | 23.5 | 1 | | |
| 10 | 16QAM | 25 | 0 | 21.49 | 21.59 | 21.51 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 12 | 21.31 | 21.49 | 21.42 | 22.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 21.29 | 21.43 | 21.33 | 22.5 | 2 | | |
| 10 | 16QAM | 50 | 0 | 21.45 | 21.52 | 21.46 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 0 | 21.42 | 21.58 | 21.50 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 25 | 21.35 | 21.50 | 21.35 | 22.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.36 | 21.40 | 21.35 | 22.5 | 2 | | |
| 10 | 64QAM | 25 | 0 | 20.39 | 20.53 | 20.43 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 12 | 20.29 | 20.43 | 20.21 | 21.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.38 | 20.47 | 20.41 | 21.5 | 3 | | |
| 10 | 64QAM | 50 | 0 | 20.43 | 20.43 | 20.36 | 21.5 | 3 | | |
| 10 | 256QAM | 1 | 0 | 18.39 | 18.48 | 18.44 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.30 | 18.39 | 18.30 | 19.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.26 | 18.37 | 18.32 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 0 | 18.38 | 18.42 | 18.31 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.23 | 18.32 | 18.23 | 19.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.18 | 18.23 | 18.21 | 19.5 | 5 | | |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.31 | 18.23 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 23.62 | 23.78 | 23.63 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.58 | 23.66 | 23.46 | 24.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 23.55 | 23.62 | 23.52 | 24.5 | 0 | | |
| 5 | QPSK | 12 | 0 | 22.62 | 22.70 | 22.63 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.62 | 22.74 | 22.60 | 23.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 22.66 | 22.75 | 22.61 | 23.5 | 1 | | |
| 5 | QPSK | 25 | 0 | 22.53 | 22.65 | 22.53 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.63 | 22.65 | 22.58 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 12 | 22.47 | 22.56 | 22.60 | 23.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.43 | 22.59 | 22.47 | 23.5 | 1 | | |
| 5 | 16QAM | 12 | 0 | 21.49 | 21.56 | 21.48 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 7 | 21.29 | 21.48 | 21.39 | 22.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.24 | 21.46 | 21.37 | 22.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.43 | 21.58 | 21.41 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 0 | 21.46 | 21.58 | 21.42 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.39 | 21.50 | 21.35 | 22.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 21.35 | 21.48 | 21.31 | 22.5 | 2 | | |
| 5 | 64QAM | 12 | 0 | 20.39 | 20.49 | 20.37 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.33 | 20.42 | 20.32 | 21.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 20.37 | 20.42 | 20.39 | 21.5 | 3 | | |
| 5 | 64QAM | 25 | 0 | 20.46 | 20.47 | 20.42 | 21.5 | 3 | | |
| 5 | 256QAM | 1 | 0 | 18.38 | 18.44 | 18.36 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.34 | 18.37 | 18.33 | 19.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.26 | 18.38 | 18.31 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 0 | 18.38 | 18.40 | 18.31 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.29 | 18.29 | 18.28 | 19.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.19 | 18.23 | 18.22 | 19.5 | 5 | | |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.36 | 18.24 | 19.5 | 5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.54 | 23.72 | 23.66 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.57 | 23.66 | 23.50 | 24.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 23.54 | 23.70 | 23.59 | 24.5 | 0 | | |
| 3 | QPSK | 8 | 0 | 22.68 | 22.66 | 22.61 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.53 | 22.72 | 22.64 | 23.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 22.65 | 22.76 | 22.64 | 23.5 | 1 | | |
| 3 | QPSK | 15 | 0 | 22.51 | 22.66 | 22.54 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.59 | 22.65 | 22.60 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.40 | 22.60 | 22.44 | 23.5 | 1 | | |
| 3 | 16QAM | 1 | 14 | 22.43 | 22.54 | 22.47 | 23.5 | 1 | | |
| 3 | 16QAM | 8 | 0 | 21.67 | 21.62 | 21.50</ | | | | |



Band 4 Other PA Ant4

| SW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq 20000 | Tune-up limit (dBm) | MPE (dB) |
|-----------------|------------|---------|-----------|---------------------|----------------------|----------------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 0 | 23.07 | 23.27 | 23.21 | 24.5 | 0 |
| 20 | QPSK | 1 | 49 | 22.91 | 23.15 | 23.12 | 24.5 | 0 |
| 20 | QPSK | 1 | 99 | 23.03 | 23.22 | 23.20 | 24.5 | 0 |
| 20 | QPSK | 50 | 0 | 21.98 | 22.27 | 22.14 | 23.5 | 1 |
| 20 | QPSK | 50 | 24 | 22.00 | 22.18 | 22.14 | 23.5 | 1 |
| 20 | QPSK | 50 | 50 | 22.05 | 22.23 | 22.24 | 23.5 | 1 |
| 20 | QPSK | 100 | 0 | 22.00 | 22.19 | 22.10 | 23.5 | 1 |
| 20 | 16QAM | 1 | 0 | 22.03 | 22.21 | 22.11 | 23.5 | 1 |
| 20 | 16QAM | 1 | 49 | 22.14 | 22.31 | 22.27 | 23.5 | 1 |
| 20 | 16QAM | 1 | 99 | 22.09 | 22.27 | 22.25 | 23.5 | 1 |
| 20 | 16QAM | 50 | 0 | 21.05 | 21.25 | 21.22 | 22.5 | 2 |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.26 | 21.20 | 22.5 | 2 |
| 20 | 16QAM | 50 | 50 | 21.04 | 21.21 | 21.14 | 22.5 | 2 |
| 20 | 16QAM | 100 | 0 | 20.99 | 21.23 | 21.15 | 22.5 | 2 |
| 20 | 84QAM | 1 | 0 | 20.93 | 21.13 | 21.11 | 22.5 | 2 |
| 20 | 84QAM | 1 | 49 | 21.00 | 21.24 | 21.14 | 22.5 | 2 |
| 20 | 84QAM | 1 | 99 | 21.00 | 21.23 | 21.17 | 22.5 | 2 |
| 20 | 84QAM | 50 | 0 | 20.93 | 20.22 | 20.17 | 21.5 | 3 |
| 20 | 84QAM | 50 | 24 | 20.98 | 20.25 | 20.20 | 21.5 | 3 |
| 20 | 84QAM | 50 | 50 | 20.95 | 20.23 | 20.18 | 21.5 | 3 |
| 20 | 84QAM | 100 | 0 | 20.91 | 20.20 | 20.16 | 21.5 | 3 |
| 20 | 256QAM | 1 | 0 | 17.81 | 18.02 | 17.92 | 19.5 | 5 |
| 20 | 256QAM | 1 | 49 | 17.87 | 18.11 | 18.07 | 19.5 | 5 |
| 20 | 256QAM | 1 | 99 | 17.83 | 18.04 | 17.97 | 19.5 | 5 |
| 20 | 256QAM | 50 | 0 | 18.06 | 18.26 | 18.18 | 19.5 | 5 |
| 20 | 256QAM | 50 | 24 | 17.93 | 18.16 | 18.15 | 19.5 | 5 |
| 20 | 256QAM | 50 | 50 | 17.94 | 18.17 | 18.14 | 19.5 | 5 |
| 20 | 256QAM | 100 | 0 | 18.00 | 18.19 | 18.13 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.83 | 23.12 | 23.11 | 24.5 | 0 |
| 15 | QPSK | 1 | 37 | 22.80 | 23.03 | 23.04 | 24.5 | 0 |
| 15 | QPSK | 1 | 74 | 22.90 | 23.11 | 23.12 | 24.5 | 0 |
| 15 | QPSK | 36 | 0 | 21.80 | 22.14 | 22.04 | 23.5 | 1 |
| 15 | QPSK | 36 | 20 | 21.89 | 22.12 | 22.05 | 23.5 | 1 |
| 15 | QPSK | 36 | 39 | 22.00 | 22.16 | 22.10 | 23.5 | 1 |
| 15 | QPSK | 75 | 0 | 21.88 | 22.14 | 22.08 | 23.5 | 1 |
| 15 | 16QAM | 1 | 0 | 21.97 | 22.15 | 22.01 | 23.5 | 1 |
| 15 | 16QAM | 1 | 37 | 22.02 | 22.17 | 22.14 | 23.5 | 1 |
| 15 | 16QAM | 1 | 74 | 21.94 | 22.17 | 22.20 | 23.5 | 1 |
| 15 | 16QAM | 36 | 0 | 20.97 | 21.14 | 21.11 | 22.5 | 2 |
| 15 | 16QAM | 36 | 20 | 21.01 | 21.12 | 21.08 | 22.5 | 2 |
| 15 | 16QAM | 36 | 39 | 20.90 | 21.08 | 21.03 | 22.5 | 2 |
| 15 | 16QAM | 75 | 0 | 20.92 | 21.17 | 21.02 | 22.5 | 2 |
| 15 | 84QAM | 1 | 0 | 20.82 | 21.02 | 21.05 | 22.5 | 2 |
| 15 | 84QAM | 1 | 37 | 20.89 | 21.15 | 21.09 | 22.5 | 2 |
| 15 | 84QAM | 1 | 74 | 20.90 | 21.16 | 21.11 | 22.5 | 2 |
| 15 | 84QAM | 36 | 0 | 19.94 | 20.09 | 20.09 | 21.5 | 3 |
| 15 | 84QAM | 36 | 20 | 19.97 | 20.16 | 20.05 | 21.5 | 3 |
| 15 | 84QAM | 36 | 39 | 19.98 | 20.08 | 20.03 | 21.5 | 3 |
| 15 | 84QAM | 75 | 0 | 19.92 | 20.07 | 20.06 | 21.5 | 3 |
| 15 | 256QAM | 1 | 0 | 17.68 | 17.90 | 17.83 | 19.5 | 5 |
| 15 | 256QAM | 1 | 37 | 17.74 | 18.04 | 17.97 | 19.5 | 5 |
| 15 | 256QAM | 1 | 74 | 17.76 | 17.92 | 17.90 | 19.5 | 5 |
| 15 | 256QAM | 36 | 0 | 17.97 | 18.11 | 18.02 | 19.5 | 5 |
| 15 | 256QAM | 36 | 20 | 17.82 | 18.03 | 18.01 | 19.5 | 5 |
| 15 | 256QAM | 36 | 39 | 17.89 | 18.11 | 18.02 | 19.5 | 5 |
| 15 | 256QAM | 75 | 0 | 17.90 | 18.08 | 18.05 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 0 | 23.02 | 23.15 | 23.12 | 24.5 | 0 |
| 10 | QPSK | 1 | 25 | 22.78 | 23.03 | 23.01 | 24.5 | 0 |
| 10 | QPSK | 1 | 49 | 22.98 | 23.08 | 23.12 | 24.5 | 0 |
| 10 | QPSK | 25 | 0 | 21.84 | 22.17 | 22.08 | 23.5 | 1 |
| 10 | QPSK | 25 | 12 | 21.84 | 22.06 | 22.05 | 23.5 | 1 |
| 10 | QPSK | 25 | 25 | 21.98 | 22.20 | 22.12 | 23.5 | 1 |
| 10 | QPSK | 50 | 0 | 21.85 | 22.04 | 21.98 | 23.5 | 1 |
| 10 | 16QAM | 1 | 0 | 21.98 | 22.08 | 22.02 | 23.5 | 1 |
| 10 | 16QAM | 1 | 25 | 22.00 | 22.20 | 22.13 | 23.5 | 1 |
| 10 | 16QAM | 1 | 49 | 22.04 | 22.21 | 22.18 | 23.5 | 1 |
| 10 | 16QAM | 25 | 0 | 20.95 | 21.19 | 21.10 | 22.5 | 2 |
| 10 | 16QAM | 25 | 12 | 20.99 | 21.21 | 21.07 | 22.5 | 2 |
| 10 | 16QAM | 25 | 25 | 20.97 | 21.11 | 21.01 | 22.5 | 2 |
| 10 | 16QAM | 50 | 0 | 20.91 | 21.15 | 21.08 | 22.5 | 2 |
| 10 | 84QAM | 1 | 0 | 20.83 | 21.06 | 21.01 | 22.5 | 2 |
| 10 | 84QAM | 1 | 25 | 20.91 | 21.18 | 21.04 | 22.5 | 2 |
| 10 | 84QAM | 1 | 49 | 20.84 | 21.16 | 21.10 | 22.5 | 2 |
| 10 | 84QAM | 25 | 0 | 19.90 | 20.07 | 20.10 | 21.5 | 3 |
| 10 | 84QAM | 25 | 12 | 19.94 | 20.18 | 20.07 | 21.5 | 3 |
| 10 | 84QAM | 25 | 25 | 19.92 | 20.15 | 20.07 | 21.5 | 3 |
| 10 | 84QAM | 50 | 0 | 19.95 | 20.13 | 20.02 | 21.5 | 3 |
| 10 | 256QAM | 1 | 0 | 17.67 | 17.82 | 17.81 | 19.5 | 5 |
| 10 | 256QAM | 1 | 25 | 17.73 | 18.03 | 17.96 | 19.5 | 5 |
| 10 | 256QAM | 1 | 49 | 17.72 | 17.90 | 17.85 | 19.5 | 5 |
| 10 | 256QAM | 25 | 0 | 17.91 | 18.14 | 18.02 | 19.5 | 5 |
| 10 | 256QAM | 25 | 12 | 17.88 | 18.08 | 18.00 | 19.5 | 5 |
| 10 | 256QAM | 25 | 25 | 17.81 | 18.10 | 18.06 | 19.5 | 5 |
| 10 | 256QAM | 50 | 0 | 17.91 | 18.09 | 18.05 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.82 | 23.14 | 23.11 | 24.5 | 0 |
| 5 | QPSK | 1 | 12 | 22.83 | 23.06 | 23.03 | 24.5 | 0 |
| 5 | QPSK | 1 | 24 | 22.96 | 23.16 | 23.09 | 24.5 | 0 |
| 5 | QPSK | 12 | 0 | 21.83 | 22.17 | 22.05 | 23.5 | 1 |
| 5 | QPSK | 12 | 7 | 21.91 | 22.12 | 22.05 | 23.5 | 1 |
| 5 | QPSK | 12 | 13 | 21.98 | 22.15 | 22.12 | 23.5 | 1 |
| 5 | QPSK | 25 | 0 | 21.85 | 22.08 | 21.98 | 23.5 | 1 |
| 5 | 16QAM | 1 | 0 | 21.93 | 22.07 | 21.97 | 23.5 | 1 |
| 5 | 16QAM | 1 | 12 | 22.03 | 22.18 | 22.14 | 23.5 | 1 |
| 5 | 16QAM | 1 | 24 | 21.99 | 22.15 | 22.11 | 23.5 | 1 |
| 5 | 16QAM | 12 | 0 | 20.86 | 21.17 | 21.13 | 22.5 | 2 |
| 5 | 16QAM | 12 | 7 | 20.96 | 21.16 | 21.09 | 22.5 | 2 |
| 5 | 16QAM | 12 | 13 | 20.98 | 21.10 | 21.08 | 22.5 | 2 |
| 5 | 16QAM | 25 | 0 | 20.80 | 21.13 | 21.07 | 22.5 | 2 |
| 5 | 84QAM | 1 | 0 | 20.88 | 21.05 | 21.02 | 22.5 | 2 |
| 5 | 84QAM | 1 | 12 | 20.88 | 21.09 | 21.07 | 22.5 | 2 |
| 5 | 84QAM | 1 | 24 | 20.86 | 21.12 | 21.10 | 22.5 | 2 |
| 5 | 84QAM | 12 | 0 | 19.95 | 20.14 | 20.03 | 21.5 | 3 |
| 5 | 84QAM | 12 | 7 | 19.98 | 20.11 | 20.06 | 21.5 | 3 |
| 5 | 84QAM | 12 | 13 | 19.92 | 20.13 | 20.07 | 21.5 | 3 |
| 5 | 84QAM | 25 | 0 | 19.90 | 20.12 | 20.10 | 21.5 | 3 |
| 5 | 256QAM | 1 | 0 | 17.72 | 17.94 | 17.83 | 19.5 | 5 |
| 5 | 256QAM | 1 | 12 | 17.81 | 18.04 | 17.95 | 19.5 | 5 |
| 5 | 256QAM | 1 | 24 | 17.69 | 17.93 | 17.84 | 19.5 | 5 |
| 5 | 256QAM | 12 | 0 | 17.99 | 18.14 | 18.01 | 19.5 | 5 |
| 5 | 256QAM | 12 | 7 | 17.80 | 18.08 | 18.07 | 19.5 | 5 |
| 5 | 256QAM | 12 | 13 | 17.80 | 18.07 | 18.05 | 19.5 | 5 |
| 5 | 256QAM | 25 | 0 | 17.85 | 18.07 | 18.00 | 19.5 | 5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 3 | QPSK | 1 | 0 | 23.01 | 23.15 | 23.15 | 24.5 | 0 |
| 3 | QPSK | 1 | 8 | 22.82 | 23.03 | 23.06 | 24.5 | 0 |
| 3 | QPSK | 1 | 14 | 22.90 | 23.10 | 23.07 | 24.5 | 0 |
| 3 | QPSK | 8 | 0 | 21.93 | 22.14 | 22.02 | 23.5 | 1 |
| 3 | QPSK | 8 | 4 | 21.90 | 22.12 | 22.02 | 23.5 | 1 |
| 3 | QPSK | 8 | 7 | 21.92 | 22.21 | 22.12 | 23.5 | 1 |
| 3 | QPSK | 15 | 0 | 21.92 | 22.09 | 22.01 | 23.5 | 1 |
| 3 | 16QAM | 1 | 0 | 21.90 | 22.08 | 22.05 | 23.5 | 1 |
| 3 | 16QAM | 1 | 8 | 22.06 | 22.23 | 22.13 | 23.5 | 1 |
| 3 | 16QAM | 1 | 14 | 21.99 | 22.13 | 22.10 | 23.5 | 1 |
| 3 | 16QAM | 8 | 0 | 20.98 | 21.16 | 21.09 | 22.5 | 2 |
| 3 | 16QAM | 8 | 4 | 20.98 | 21.17 | 21.07 | 22.5 | 2 |
| 3 | 16QAM | 8 | 7 | 20.99 | 21.14 | 21.00 | 22.5 | 2 |
| 3 | 16QAM | 15 | 0 | 20.85 | 21.09 | 21.02 | 22.5 | 2 |
| 3 | 84QAM | 1 | 0 | 20.82 | 21.01 | 20.96 | 22.5 | 2 |
| 3 | 84QAM | 1 | 8 | 20.90 | 21.18 | 21.08 | 22.5 | 2 |
| 3 | 84QAM | 1 | 14 | 20.94 | 21.09 | 21.07 | 22.5 | 2 |
| 3 | 84QAM | 8 | 0 | 19.94 | 20.09 | 20.04 | 21.5 | 3 |
| 3 | 84QAM | 8 | 4 | 20.00 | 20.15 | 20.12 | 21.5 | 3 |
| 3 | 84QAM | 8 | 7 | 19.93 | 20.08 | 20.04 | 21.5 | 3 |
| 3 | 84QAM | 15 | 0 | 19.87 | 20.11 | 20.09 | 21.5 | 3 |
| 3 | 256QAM | 1 | 0 | 17.75 | 17.88 | 17.78 | | |



Band 12 Other PA Ant0

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Med. Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPE (dB) |
|--------------------|------------|---------|-----------|-----------------------|------------------------|------------------------|---------------------|----------|
| Channel | | | | | | | | |
| 704 707.5 711 | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.00 | 24.00 | 24.44 | | |
| 10 | QPSK | 25 | 0 | 24.27 | 24.44 | 24.40 | 25.5 | 0 |
| 10 | QPSK | 1 | 40 | 24.40 | 24.50 | 24.45 | | |
| 10 | QPSK | 25 | 0 | 23.70 | 23.74 | 23.63 | | |
| 10 | QPSK | 25 | 12 | 23.03 | 23.07 | 23.61 | 24.5 | 1 |
| 10 | QPSK | 25 | 25 | 23.49 | 23.84 | 23.58 | | |
| 10 | QPSK | 50 | 0 | 23.05 | 23.09 | 23.55 | | |
| 10 | HQAM | 1 | 0 | 23.47 | 23.62 | 23.56 | | |
| 10 | HQAM | 1 | 25 | 23.59 | 23.85 | 23.62 | 24.5 | 1 |
| 10 | HQAM | 1 | 40 | 23.54 | 23.57 | 23.48 | | |
| 10 | HQAM | 25 | 0 | 22.55 | 22.65 | 22.50 | | |
| 10 | HQAM | 25 | 12 | 22.51 | 22.65 | 22.52 | 23.5 | 2 |
| 10 | HQAM | 25 | 25 | 22.44 | 22.51 | 22.44 | | |
| 10 | HQAM | 50 | 0 | 22.44 | 22.51 | 22.44 | | |
| 10 | HQAM | 1 | 0 | 22.54 | 22.66 | 22.54 | | |
| 10 | HQAM | 1 | 25 | 22.40 | 22.58 | 22.54 | 23.5 | 2 |
| 10 | HQAM | 1 | 40 | 22.70 | 22.76 | 22.49 | | |
| 10 | HQAM | 25 | 0 | 21.48 | 21.59 | 21.50 | | |
| 10 | HQAM | 25 | 12 | 21.41 | 21.56 | 21.44 | 22.5 | 3 |
| 10 | HQAM | 25 | 25 | 21.60 | 21.75 | 21.65 | | |
| 10 | HQAM | 50 | 0 | 21.50 | 22.04 | 21.50 | | |
| 10 | ZSSBAM | 1 | 0 | 20.00 | 20.11 | 20.00 | | |
| 10 | ZSSBAM | 1 | 25 | 19.81 | 19.92 | 19.88 | 20.5 | 5 |
| 10 | ZSSBAM | 1 | 40 | 20.05 | 20.17 | 20.05 | | |
| 10 | ZSSBAM | 25 | 0 | 19.47 | 19.55 | 19.52 | | |
| 10 | ZSSBAM | 25 | 12 | 19.80 | 19.84 | 19.70 | 20.5 | 5 |
| 10 | ZSSBAM | 25 | 25 | 19.60 | 19.72 | 19.67 | | |
| 10 | ZSSBAM | 50 | 0 | 19.35 | 19.39 | 19.35 | | |
| Channel | | | | | | | | |
| 2305 2309.5 2315.5 | | | | | | | | |
| 701.5 707.5 713.5 | | | | | | | | |
| 5 | QPSK | 1 | 0 | 24.42 | 24.45 | 24.36 | | |
| 5 | QPSK | 1 | 12 | 24.34 | 24.34 | 24.37 | 25.5 | 0 |
| 5 | QPSK | 1 | 24 | 24.27 | 24.38 | 24.37 | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.65 | 23.55 | | |
| 5 | QPSK | 12 | 7 | 23.01 | 23.03 | 23.54 | 24.5 | 1 |
| 5 | QPSK | 12 | 13 | 23.39 | 23.55 | 23.50 | | |
| 5 | QPSK | 25 | 0 | 23.44 | 23.56 | 23.49 | | |
| 5 | HQAM | 1 | 0 | 23.38 | 23.53 | 23.48 | | |
| 5 | HQAM | 1 | 12 | 23.47 | 23.61 | 23.58 | 24.5 | 1 |
| 5 | HQAM | 1 | 24 | 23.29 | 23.51 | 23.59 | | |
| 5 | HQAM | 12 | 0 | 22.48 | 22.54 | 22.55 | | |
| 5 | HQAM | 12 | 7 | 22.49 | 22.51 | 22.49 | 23.5 | 2 |
| 5 | HQAM | 12 | 13 | 22.71 | 22.48 | 22.41 | | |
| 5 | HQAM | 25 | 0 | 22.74 | 22.85 | 22.73 | | |
| 5 | HQAM | 1 | 0 | 22.45 | 22.92 | 22.41 | | |
| 5 | HQAM | 1 | 12 | 22.69 | 22.85 | 22.48 | 23.5 | 2 |
| 5 | HQAM | 1 | 24 | 22.50 | 22.63 | 22.54 | | |
| 5 | HQAM | 12 | 0 | 21.42 | 21.55 | 21.41 | | |
| 5 | HQAM | 12 | 7 | 21.71 | 21.80 | 21.79 | | |
| 5 | HQAM | 12 | 13 | 21.53 | 21.68 | 21.51 | 22.5 | 3 |
| 5 | HQAM | 25 | 0 | 21.85 | 21.97 | 21.77 | | |
| 5 | ZSSBAM | 1 | 0 | 19.85 | 19.90 | 19.86 | | |
| 5 | ZSSBAM | 1 | 12 | 19.78 | 19.81 | 19.75 | 20.5 | 5 |
| 5 | ZSSBAM | 1 | 24 | 19.97 | 20.14 | 19.91 | | |
| 5 | ZSSBAM | 12 | 0 | 19.41 | 19.42 | 19.38 | | |
| 5 | ZSSBAM | 12 | 7 | 19.68 | 19.74 | 19.57 | 20.5 | 5 |
| 5 | ZSSBAM | 12 | 13 | 19.45 | 19.59 | 19.61 | | |
| 5 | ZSSBAM | 25 | 0 | 19.71 | 19.85 | 19.78 | | |
| Channel | | | | | | | | |
| 2305 2309.5 2315.5 | | | | | | | | |
| 700.5 707.5 714.5 | | | | | | | | |
| 3 | QPSK | 1 | 0 | 24.40 | 24.52 | 24.41 | | |
| 3 | QPSK | 1 | 8 | 24.34 | 24.34 | 24.34 | 25.5 | 0 |
| 3 | QPSK | 1 | 14 | 24.36 | 24.40 | 24.36 | | |
| 3 | QPSK | 1 | 0 | 23.66 | 23.66 | 23.49 | | |
| 3 | QPSK | 8 | 4 | 23.05 | 23.09 | 23.58 | 24.5 | 1 |
| 3 | QPSK | 8 | 7 | 23.39 | 23.52 | 23.53 | | |
| 3 | QPSK | 8 | 0 | 23.60 | 23.62 | 23.48 | | |
| 3 | HQAM | 1 | 0 | 23.38 | 23.49 | 23.49 | | |
| 3 | HQAM | 1 | 8 | 23.47 | 23.53 | 23.55 | 24.5 | 1 |
| 3 | HQAM | 1 | 14 | 23.45 | 23.43 | 23.56 | | |
| 3 | HQAM | 8 | 0 | 22.45 | 22.58 | 22.59 | | |
| 3 | HQAM | 8 | 4 | 22.47 | 22.59 | 22.48 | 23.5 | 2 |
| 3 | HQAM | 8 | 7 | 22.59 | 22.40 | 22.40 | | |
| 3 | HQAM | 16 | 0 | 22.77 | 22.77 | 22.79 | | |
| 3 | HQAM | 1 | 0 | 22.44 | 22.67 | 22.41 | | |
| 3 | HQAM | 1 | 8 | 22.25 | 22.58 | 22.59 | 23.5 | 2 |
| 3 | HQAM | 1 | 14 | 22.59 | 22.73 | 22.52 | | |
| 3 | HQAM | 8 | 0 | 21.44 | 21.55 | 21.43 | | |
| 3 | HQAM | 8 | 4 | 21.77 | 21.83 | 21.78 | 22.5 | 3 |
| 3 | HQAM | 8 | 7 | 21.49 | 21.61 | 21.52 | | |
| 3 | HQAM | 16 | 0 | 21.79 | 22.00 | 21.83 | | |
| 3 | ZSSBAM | 1 | 0 | 19.85 | 20.01 | 19.89 | | |
| 3 | ZSSBAM | 1 | 8 | 19.67 | 19.80 | 19.77 | 20.5 | 5 |
| 3 | ZSSBAM | 1 | 14 | 19.96 | 20.04 | 19.92 | | |
| 3 | ZSSBAM | 8 | 0 | 19.43 | 19.50 | 19.43 | | |
| 3 | ZSSBAM | 8 | 4 | 19.72 | 19.70 | 19.59 | 20.5 | 5 |
| 3 | ZSSBAM | 8 | 7 | 19.48 | 19.59 | 19.53 | | |
| 3 | ZSSBAM | 16 | 0 | 19.81 | 19.81 | 19.81 | | |
| Channel | | | | | | | | |
| 2901 2905.5 2917.5 | | | | | | | | |
| 709.7 707.5 715.3 | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 24.41 | 24.40 | 24.33 | | |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.25 | | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.41 | 24.38 | 25.5 | 0 |
| 1.4 | QPSK | 3 | 0 | 24.40 | 24.44 | 24.36 | | |
| 1.4 | QPSK | 3 | 1 | 24.25 | 24.35 | 24.30 | | |
| 1.4 | QPSK | 3 | 3 | 24.30 | 24.41 | 24.32 | 24.5 | 1 |
| 1.4 | QPSK | 6 | 0 | 23.08 | 23.09 | 23.54 | | |
| 1.4 | HQAM | 1 | 0 | 23.51 | 23.54 | 23.53 | | |
| 1.4 | HQAM | 1 | 3 | 23.39 | 23.52 | 23.52 | 24.5 | 1 |
| 1.4 | HQAM | 1 | 5 | 23.46 | 23.59 | 23.47 | | |
| 1.4 | HQAM | 3 | 0 | 23.42 | 23.48 | 23.47 | | |
| 1.4 | HQAM | 3 | 1 | 23.50 | 23.59 | 23.56 | | |
| 1.4 | HQAM | 3 | 3 | 23.44 | 23.48 | 23.50 | | |
| 1.4 | HQAM | 6 | 0 | 22.51 | 22.61 | 22.47 | 23.5 | 2 |
| 1.4 | HQAM | 1 | 0 | 22.40 | 22.54 | 22.44 | | |
| 1.4 | HQAM | 1 | 3 | 22.40 | 22.43 | 22.36 | | |
| 1.4 | HQAM | 1 | 5 | 22.45 | 22.50 | 22.42 | 23.5 | 2 |
| 1.4 | HQAM | 3 | 0 | 22.47 | 22.59 | 22.47 | | |
| 1.4 | HQAM | 3 | 1 | 22.50 | 22.60 | 22.47 | | |
| 1.4 | HQAM | 3 | 3 | 22.59 | 22.62 | 22.55 | | |
| 1.4 | HQAM | 6 | 0 | 21.56 | 21.62 | 21.59 | 22.5 | 3 |
| 1.4 | ZSSBAM | 1 | 0 | 19.89 | 19.98 | 19.89 | | |
| 1.4 | ZSSBAM | 1 | 3 | 19.69 | 19.89 | 19.74 | 20.5 | 5 |
| 1.4 | ZSSBAM | 1 | 5 | 19.91 | 20.03 | 19.93 | | |
| 1.4 | ZSSBAM | 3 | 0 | 19.59 | 19.46 | 19.46 | | |
| 1.4 | ZSSBAM | 3 | 1 | 19.70 | 19.73 | 19.57 | | |
| 1.4 | ZSSBAM | 3 | 3 | 19.95 | 19.98 | 19.98 | 20.5 | 5 |



| Band 17 Other PA Ant0 | | | | | | | | | |
|-----------------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------------|----------|---|
| BW (MHz) | Modulation | RE Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Time-up limit (min) | MPE (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 700 | 710 | 713 | | | |
| 10 | QPSK | 1 | 0 | 24.43 | 24.51 | 24.46 | | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 24.31 | 24.40 | 24.35 | | | |
| 10 | QPSK | 1 | 49 | 24.38 | 24.47 | 24.33 | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.66 | 23.67 | | 24.5 | 1 |
| 10 | QPSK | 25 | 12 | 23.65 | 23.69 | 23.66 | | | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.46 | 23.34 | | | |
| 10 | QPSK | 50 | 0 | 23.48 | 23.50 | 23.49 | | | |
| 10 | 16QAM | 1 | 0 | 23.46 | 23.50 | 23.42 | | 24.5 | 1 |
| 10 | 16QAM | 1 | 25 | 23.29 | 23.42 | 23.32 | | | |
| 10 | 16QAM | 1 | 49 | 23.21 | 23.34 | 23.26 | | | |
| 10 | 16QAM | 25 | 0 | 22.68 | 22.73 | 22.62 | | 23.5 | 2 |
| 10 | 16QAM | 25 | 12 | 22.69 | 22.72 | 22.58 | | | |
| 10 | 16QAM | 25 | 25 | 22.65 | 22.73 | 22.65 | | | |
| 10 | 16QAM | 50 | 0 | 22.67 | 22.79 | 22.73 | | | |
| 10 | 64QAM | 1 | 0 | 22.43 | 22.50 | 22.41 | | 23.5 | 2 |
| 10 | 64QAM | 1 | 25 | 22.50 | 22.54 | 22.46 | | | |
| 10 | 64QAM | 1 | 49 | 22.35 | 22.32 | 22.21 | | | |
| 10 | 64QAM | 25 | 0 | 21.69 | 21.66 | 21.59 | | 22.5 | 3 |
| 10 | 64QAM | 25 | 12 | 21.68 | 21.77 | 21.66 | | | |
| 10 | 64QAM | 25 | 25 | 21.60 | 21.68 | 21.49 | | | |
| 10 | 64QAM | 50 | 0 | 21.69 | 21.66 | 21.62 | | | |
| 10 | 256QAM | 1 | 0 | 19.62 | 19.62 | 19.61 | | 20.5 | 5 |
| 10 | 256QAM | 1 | 25 | 19.83 | 19.89 | 19.73 | | | |
| 10 | 256QAM | 1 | 49 | 19.69 | 19.70 | 19.68 | | | |
| 10 | 256QAM | 25 | 0 | 19.17 | 19.58 | 19.45 | | 20.5 | 5 |
| 10 | 256QAM | 25 | 12 | 19.52 | 19.60 | 19.58 | | | |
| 10 | 256QAM | 25 | 25 | 19.60 | 19.54 | 19.43 | | | |
| 10 | 256QAM | 50 | 0 | 19.60 | 19.67 | 19.52 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | | | |
| 5 | QPSK | 1 | 0 | 24.39 | 24.46 | 24.43 | | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 24.24 | 24.36 | 24.26 | | | |
| 5 | QPSK | 1 | 24 | 24.35 | 24.36 | 24.22 | | | |
| 5 | QPSK | 12 | 0 | 23.69 | 23.61 | 23.49 | | 24.5 | 1 |
| 5 | QPSK | 12 | 7 | 23.60 | 23.47 | 23.39 | | | |
| 5 | QPSK | 12 | 13 | 23.28 | 23.42 | 23.26 | | | |
| 5 | QPSK | 25 | 0 | 23.44 | 23.56 | 23.39 | | | |
| 5 | 16QAM | 1 | 0 | 23.32 | 23.48 | 23.31 | | 24.5 | 1 |
| 5 | 16QAM | 1 | 12 | 23.20 | 23.32 | 23.28 | | | |
| 5 | 16QAM | 1 | 24 | 23.07 | 23.29 | 23.22 | | | |
| 5 | 16QAM | 12 | 0 | 22.64 | 22.61 | 22.51 | | 23.5 | 2 |
| 5 | 16QAM | 12 | 7 | 22.68 | 22.59 | 22.54 | | | |
| 5 | 16QAM | 12 | 13 | 22.68 | 22.59 | 22.51 | | | |
| 5 | 16QAM | 25 | 0 | 22.67 | 22.67 | 22.63 | | | |
| 5 | 64QAM | 1 | 0 | 22.38 | 22.37 | 22.37 | | 23.5 | 2 |
| 5 | 64QAM | 1 | 12 | 22.41 | 22.46 | 22.37 | | | |
| 5 | 64QAM | 1 | 24 | 22.22 | 22.27 | 22.15 | | | |
| 5 | 64QAM | 12 | 0 | 21.44 | 21.58 | 21.53 | | 22.5 | 3 |
| 5 | 64QAM | 12 | 7 | 21.60 | 21.70 | 21.64 | | | |
| 5 | 64QAM | 12 | 13 | 21.37 | 21.51 | 21.38 | | | |
| 5 | 64QAM | 25 | 0 | 21.44 | 21.67 | 21.49 | | | |
| 5 | 256QAM | 1 | 0 | 19.78 | 19.79 | 19.69 | | 20.5 | 5 |
| 5 | 256QAM | 1 | 12 | 19.72 | 19.75 | 19.66 | | | |
| 5 | 256QAM | 1 | 24 | 19.48 | 19.59 | 19.53 | | | |
| 5 | 256QAM | 12 | 0 | 19.37 | 19.48 | 19.33 | | 20.5 | 5 |
| 5 | 256QAM | 12 | 7 | 19.39 | 19.47 | 19.43 | | | |
| 5 | 256QAM | 12 | 13 | 19.44 | 19.48 | 19.33 | | | |
| 5 | 256QAM | 25 | 0 | 19.58 | 19.63 | 19.52 | | | |



| Band 12 Other PA Ant1 | | | | | | | | | | |
|-----------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Time-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| | | | | 704 | 707.5 | 711 | | | | |
| 10 | QPSK | 1 | 0 | 23.69 | 23.74 | 23.67 | | | | |
| 10 | QPSK | 1 | 25 | 23.69 | 23.66 | 23.67 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 23.67 | 23.61 | 23.62 | | | | |
| 10 | QPSK | 25 | 0 | 22.66 | 22.76 | 22.67 | | | | |
| 10 | QPSK | 25 | 12 | 22.66 | 22.70 | 22.69 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 22.65 | 22.65 | 22.66 | | | | |
| 10 | QPSK | 50 | 0 | 22.59 | 22.72 | 22.67 | | | | |
| 10 | 16QAM | 1 | 0 | 22.68 | 22.67 | 22.65 | | | | |
| 10 | 16QAM | 1 | 25 | 22.53 | 22.61 | 22.58 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 22.54 | 22.57 | 22.51 | | | | |
| 10 | 16QAM | 25 | 0 | 21.73 | 21.81 | 21.71 | | | | |
| 10 | 16QAM | 25 | 12 | 21.70 | 21.73 | 21.65 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 21.63 | 21.77 | 21.66 | | | | |
| 10 | 16QAM | 50 | 0 | 21.68 | 21.71 | 21.67 | | | | |
| 10 | 64QAM | 1 | 0 | 21.65 | 21.79 | 21.71 | | | | |
| 10 | 64QAM | 1 | 25 | 21.59 | 21.72 | 21.66 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 21.65 | 21.69 | 21.64 | | | | |
| 10 | 64QAM | 25 | 0 | 20.90 | 20.95 | 20.88 | | | | |
| 10 | 64QAM | 25 | 12 | 20.81 | 20.86 | 20.76 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.81 | 20.81 | 20.84 | | | | |
| 10 | 64QAM | 50 | 0 | 20.68 | 20.83 | 20.72 | | | | |
| 10 | 256QAM | 1 | 0 | 18.65 | 18.66 | 18.62 | | | | |
| 10 | 256QAM | 1 | 25 | 18.83 | 18.93 | 18.88 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 18.85 | 18.88 | 18.74 | | | | |
| 10 | 256QAM | 25 | 0 | 18.73 | 18.87 | 18.84 | | | | |
| 10 | 256QAM | 25 | 12 | 18.68 | 18.77 | 18.72 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 18.74 | 18.83 | 18.69 | | | | |
| 10 | 256QAM | 50 | 0 | 18.65 | 18.91 | 18.82 | | | | |
| Channel | | | | | | | | | | |
| | | | | 701.5 | 707.5 | 713.5 | | | | |
| 5 | QPSK | 1 | 0 | 23.62 | 23.67 | 23.68 | | | | |
| 5 | QPSK | 1 | 12 | 23.67 | 23.68 | 23.68 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 23.67 | 23.56 | 23.62 | | | | |
| 5 | QPSK | 12 | 0 | 22.55 | 22.67 | 22.64 | | | | |
| 5 | QPSK | 12 | 7 | 22.51 | 22.64 | 22.60 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 22.51 | 22.52 | 22.52 | | | | |
| 5 | QPSK | 25 | 0 | 22.65 | 22.67 | 22.61 | | | | |
| 5 | 16QAM | 1 | 0 | 22.57 | 22.58 | 22.58 | | | | |
| 5 | 16QAM | 1 | 12 | 22.51 | 22.55 | 22.59 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 22.59 | 22.54 | 22.59 | | | | |
| 5 | 16QAM | 12 | 0 | 21.65 | 21.74 | 21.63 | | | | |
| 5 | 16QAM | 12 | 7 | 21.61 | 21.63 | 21.59 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 21.63 | 21.66 | 21.59 | | | | |
| 5 | 16QAM | 25 | 0 | 21.53 | 21.68 | 21.51 | | | | |
| 5 | 64QAM | 1 | 0 | 21.54 | 21.71 | 21.58 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 12 | 21.65 | 21.64 | 21.64 | | | | |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.58 | | | | |
| 5 | 64QAM | 12 | 0 | 20.77 | 20.90 | 20.83 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 7 | 20.69 | 20.79 | 20.68 | | | | |
| 5 | 64QAM | 12 | 13 | 20.67 | 20.85 | 20.72 | | | | |
| 5 | 64QAM | 25 | 0 | 20.58 | 20.80 | 20.60 | | | | |
| 5 | 256QAM | 1 | 0 | 18.71 | 18.96 | 18.73 | | | | |
| 5 | 256QAM | 1 | 12 | 18.74 | 18.82 | 18.81 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 18.73 | 18.77 | 18.65 | | | | |
| 5 | 256QAM | 12 | 0 | 18.64 | 18.78 | 18.72 | | | | |
| 5 | 256QAM | 12 | 7 | 18.59 | 18.67 | 18.63 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 18.62 | 18.74 | 18.55 | | | | |
| 5 | 256QAM | 25 | 0 | 18.73 | 18.86 | 18.71 | | | | |
| Channel | | | | | | | | | | |
| | | | | 2305 | 2309 | 2316 | | | | |
| | | | | 701.5 | 707.5 | 714.5 | | | | |
| 3 | QPSK | 1 | 0 | 23.64 | 23.63 | 23.66 | | | | |
| 3 | QPSK | 1 | 8 | 23.57 | 23.56 | 23.58 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 14 | 23.53 | 23.57 | 23.59 | | | | |
| 3 | QPSK | 8 | 0 | 22.52 | 22.66 | 22.58 | | | | |
| 3 | QPSK | 8 | 4 | 22.58 | 22.57 | 22.51 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 7 | 22.56 | 22.54 | 22.58 | | | | |
| 3 | QPSK | 16 | 0 | 22.60 | 22.58 | 22.61 | | | | |
| 3 | 16QAM | 1 | 0 | 22.59 | 22.54 | 22.59 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 8 | 22.58 | 22.51 | 22.80 | | | | |
| 3 | 16QAM | 1 | 14 | 22.63 | 22.58 | 22.61 | | | | |
| 3 | 16QAM | 8 | 0 | 21.59 | 21.75 | 21.65 | | | | |
| 3 | 16QAM | 8 | 4 | 21.58 | 21.67 | 21.61 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 7 | 21.56 | 21.72 | 21.65 | | | | |
| 3 | 16QAM | 16 | 0 | 21.55 | 21.63 | 21.54 | | | | |
| 3 | 64QAM | 1 | 0 | 21.60 | 21.72 | 21.63 | 23.5 | 2 | | |
| 3 | 64QAM | 1 | 8 | 21.56 | 21.64 | 21.60 | | | | |
| 3 | 64QAM | 1 | 14 | 21.59 | 21.64 | 21.57 | | | | |
| 3 | 64QAM | 8 | 0 | 20.79 | 20.86 | 20.79 | 22.5 | 3 | | |
| 3 | 64QAM | 8 | 4 | 20.77 | 20.71 | 20.72 | | | | |
| 3 | 64QAM | 8 | 7 | 20.74 | 20.79 | 20.71 | | | | |
| 3 | 64QAM | 16 | 0 | 20.63 | 20.75 | 20.61 | | | | |
| 3 | 256QAM | 1 | 0 | 18.74 | 18.88 | 18.79 | | | | |
| 3 | 256QAM | 1 | 8 | 18.76 | 18.78 | 18.79 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 14 | 18.79 | 18.84 | 18.61 | | | | |
| 3 | 256QAM | 8 | 0 | 18.70 | 18.82 | 18.72 | | | | |
| 3 | 256QAM | 8 | 4 | 18.58 | 18.71 | 18.61 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 7 | 18.62 | 18.79 | 18.63 | | | | |
| 3 | 256QAM | 16 | 0 | 18.73 | 18.87 | 18.72 | | | | |
| Channel | | | | | | | | | | |
| | | | | 2317 | 2309 | 2313 | | | | |
| | | | | 691.7 | 707.5 | 716.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 23.64 | 23.55 | 23.58 | | | | |
| 1.4 | QPSK | 1 | 3 | 23.52 | 23.51 | 23.55 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 5 | 23.58 | 23.70 | 23.65 | | | | |
| 1.4 | QPSK | 3 | 0 | 23.55 | 23.63 | 23.59 | | | | |
| 1.4 | QPSK | 3 | 1 | 23.56 | 23.58 | 23.59 | | | | |
| 1.4 | QPSK | 3 | 3 | 23.52 | 23.52 | 23.54 | 24.5 | 1 | | |
| 1.4 | QPSK | 6 | 0 | 22.68 | 22.72 | 22.61 | | | | |
| 1.4 | 16QAM | 1 | 0 | 22.52 | 22.58 | 22.59 | | | | |
| 1.4 | 16QAM | 1 | 3 | 22.64 | 22.51 | 22.57 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 5 | 22.64 | 22.60 | 22.53 | | | | |
| 1.4 | 16QAM | 3 | 0 | 22.84 | 22.57 | 22.61 | | | | |
| 1.4 | 16QAM | 3 | 1 | 22.51 | 22.57 | 22.60 | | | | |
| 1.4 | 16QAM | 3 | 3 | 22.68 | 22.52 | 22.59 | | | | |
| 1.4 | 16QAM | 6 | 0 | 21.66 | 21.75 | 21.68 | 23.5 | 2 | | |
| 1.4 | 64QAM | 1 | 0 | 21.59 | 21.59 | 21.52 | | | | |
| 1.4 | 64QAM | 1 | 3 | 21.59 | 21.67 | 21.52 | | | | |
| 1.4 | 64QAM | 1 | 5 | 21.64 | 21.58 | 21.52 | 23.5 | 2 | | |
| 1.4 | 64QAM | 3 | 0 | 21.55 | 21.71 | 21.60 | | | | |
| 1.4 | 64QAM | 3 | 1 | 21.59 | 21.69 | 21.63 | | | | |
| 1.4 | 64QAM | 3 | 3 | 21.53 | 21.58 | 21.53 | | | | |
| 1.4 | 256QAM | 1 | 0 | 20.74 | 20.82 | 20.66 | 22.5 | 3 | | |
| 1.4 | 256QAM | 1 | 0 | 18.75 | 18.87 | 18.87 | | | | |
| 1.4 | 256QAM | 1 | 3 | 18.77 | 18.87 | 18.79 | | | | |
| 1.4 | 256QAM | 1 | 5 | 18.79 | 18.74 | 18.61 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 0 | 18.70 | 18.73 | 18.74 | | | | |
| 1.4 | 256QAM | 3 | 1 | 18.65 | 18.67 | 18.60 | | | | |
| 1.4 | 256QAM | 3 | 3 | 18.66 | 18.76 | 18.66 | | | | |
| 1.4 | 256QAM | 6 | 0 | 18.79 | 18.78 | 18.76 | 20.5 | 5 | | |



Band 17 Other PA Ant1

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. [Freq.] | Power High Ch. [Freq.] | Power Mid Ch. [Freq.] | Turn-up limit [dB] | MFR [dB] |
|-----------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|--------------------|-----------|
| Channel | | | | | | | | |
| Frequency [MHz] | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 23.07 | 23.70 | 23.69 | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 23.54 | 23.69 | 23.51 | | |
| 10 | QPSK | 1 | 49 | 23.05 | 23.69 | 23.81 | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.60 | 22.58 | | |
| 10 | QPSK | 25 | 12 | 22.53 | 22.59 | 22.85 | | |
| 10 | QPSK | 25 | 25 | 22.83 | 22.58 | 22.58 | | |
| 10 | QPSK | 50 | 0 | 22.07 | 22.61 | 22.54 | | |
| 10 | 16QAM | 1 | 0 | 22.90 | 22.96 | 22.59 | | |
| 10 | 16QAM | 1 | 25 | 22.87 | 22.53 | 22.81 | 24.5 | 1 |
| 10 | 16QAM | 1 | 49 | 22.63 | 22.59 | 22.62 | | |
| 10 | 16QAM | 25 | 0 | 21.81 | 21.71 | 21.68 | | |
| 10 | 16QAM | 25 | 12 | 21.81 | 21.58 | 21.58 | | |
| 10 | 16QAM | 25 | 25 | 21.81 | 21.72 | 21.62 | | |
| 10 | 16QAM | 50 | 0 | 21.87 | 21.69 | 21.58 | | |
| 10 | 64QAM | 1 | 0 | 21.50 | 21.74 | 21.63 | | |
| 10 | 64QAM | 1 | 25 | 21.58 | 21.59 | 21.63 | 23.5 | 2 |
| 10 | 64QAM | 1 | 49 | 21.54 | 21.66 | 21.60 | | |
| 10 | 64QAM | 25 | 0 | 20.86 | 20.87 | 20.85 | | |
| 10 | 64QAM | 25 | 12 | 20.71 | 20.81 | 20.86 | | |
| 10 | 64QAM | 25 | 25 | 20.71 | 20.78 | 20.78 | | |
| 10 | 64QAM | 50 | 0 | 20.53 | 20.73 | 20.63 | | |
| 10 | 256QAM | 1 | 0 | 18.72 | 18.89 | 18.81 | | |
| 10 | 256QAM | 1 | 25 | 18.73 | 18.78 | 18.74 | 20.5 | 5 |
| 10 | 256QAM | 1 | 49 | 18.78 | 18.84 | 18.83 | | |
| 10 | 256QAM | 25 | 0 | 18.69 | 18.78 | 18.73 | | |
| 10 | 256QAM | 25 | 12 | 18.67 | 18.67 | 18.63 | | |
| 10 | 256QAM | 25 | 25 | 18.66 | 18.72 | 18.55 | | |
| 10 | 256QAM | 50 | 0 | 18.72 | 18.87 | 18.71 | | |
| Channel | | | | | | | | |
| Frequency [MHz] | | | | 709.5 | 710 | 711.5 | Turn-up limit [dB] | APPR [dB] |
| 5 | QPSK | 1 | 0 | 23.51 | 23.65 | 23.54 | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 23.53 | 23.56 | 23.57 | | |
| 5 | QPSK | 1 | 24 | 23.54 | 23.64 | 23.56 | | |
| 5 | QPSK | 12 | 0 | 22.72 | 22.83 | 22.67 | | |
| 5 | QPSK | 12 | 7 | 22.92 | 22.74 | 22.69 | | |
| 5 | QPSK | 12 | 13 | 22.58 | 22.72 | 22.59 | | |
| 5 | QPSK | 25 | 0 | 22.68 | 22.72 | 22.64 | | |
| 5 | 16QAM | 1 | 0 | 22.67 | 22.65 | 22.59 | | |
| 5 | 16QAM | 1 | 12 | 22.55 | 22.86 | 22.57 | 24.5 | 1 |
| 5 | 16QAM | 1 | 24 | 22.51 | 22.59 | 22.58 | | |
| 5 | 16QAM | 12 | 0 | 21.75 | 21.84 | 21.73 | | |
| 5 | 16QAM | 12 | 7 | 21.72 | 21.67 | 21.81 | | |
| 5 | 16QAM | 12 | 13 | 21.61 | 21.69 | 21.68 | | |
| 5 | 16QAM | 25 | 0 | 21.58 | 21.69 | 21.56 | | |
| 5 | 64QAM | 1 | 0 | 21.59 | 21.72 | 21.67 | | |
| 5 | 64QAM | 1 | 12 | 21.54 | 21.62 | 21.60 | 23.5 | 2 |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.62 | | |
| 5 | 64QAM | 12 | 0 | 20.92 | 20.90 | 20.85 | | |
| 5 | 64QAM | 12 | 7 | 20.83 | 20.76 | 20.85 | | |
| 5 | 64QAM | 12 | 13 | 20.73 | 20.75 | 20.74 | | |
| 5 | 64QAM | 25 | 0 | 20.65 | 20.69 | 20.59 | | |
| 5 | 256QAM | 1 | 0 | 18.72 | 18.86 | 18.83 | | |
| 5 | 256QAM | 1 | 12 | 18.72 | 18.85 | 18.77 | 20.5 | 5 |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.81 | 18.69 | | |
| 5 | 256QAM | 12 | 0 | 18.75 | 18.72 | 18.69 | | |
| 5 | 256QAM | 12 | 7 | 18.60 | 18.70 | 18.61 | | |
| 5 | 256QAM | 12 | 13 | 18.66 | 18.73 | 18.67 | | |
| 5 | 256QAM | 25 | 0 | 18.68 | 18.93 | 18.69 | | |



DSI 4 Power for WWAN for Other PA

| Band 5 Ant0 | | | | | | | | | |
|-----------------|------------|---------|-----------|----------------------------|-------------------------------|-----------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch./Freq. (2042) | Power Middle Ch./Freq. (2052) | Power High Ch./Freq. (2060) | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 829 | 838.5 | 844 | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 24.82 | 24.85 | 24.77 | 25.5 | 0 | |
| 10 | QPSK | 1 | 25 | 24.74 | 24.73 | 24.69 | | | |
| 10 | QPSK | 1 | 49 | 24.68 | 24.68 | 24.61 | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.75 | 23.66 | 24.5 | 1 | |
| 10 | QPSK | 25 | 12 | 23.64 | 23.65 | 23.64 | | | |
| 10 | QPSK | 25 | 25 | 23.67 | 23.58 | 23.65 | | | |
| 10 | QPSK | 50 | 0 | 23.59 | 23.72 | 23.62 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 0 | 23.73 | 23.86 | 23.73 | | | |
| 10 | 16QAM | 1 | 25 | 23.74 | 23.80 | 23.71 | | | |
| 10 | 16QAM | 1 | 49 | 23.70 | 23.76 | 23.67 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 0 | 22.79 | 22.91 | 22.78 | | | |
| 10 | 16QAM | 25 | 12 | 22.70 | 22.77 | 22.71 | | | |
| 10 | 16QAM | 25 | 25 | 22.66 | 22.71 | 22.66 | 23.5 | 2 | |
| 10 | 16QAM | 50 | 0 | 22.69 | 22.80 | 22.70 | | | |
| 10 | 64QAM | 1 | 0 | 22.74 | 22.84 | 22.71 | | | |
| 10 | 64QAM | 1 | 25 | 22.61 | 22.76 | 22.70 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.59 | 22.69 | 22.62 | | | |
| 10 | 64QAM | 25 | 0 | 21.79 | 21.89 | 21.79 | | | |
| 10 | 64QAM | 25 | 12 | 21.65 | 21.76 | 21.69 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 21.71 | 21.82 | 21.72 | | | |
| 10 | 64QAM | 50 | 0 | 21.68 | 21.81 | 21.73 | | | |
| 10 | 256QAM | 1 | 0 | 19.52 | 19.65 | 19.58 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 25 | 19.42 | 19.56 | 19.47 | | | |
| 10 | 256QAM | 1 | 49 | 19.42 | 19.52 | 19.41 | | | |
| 10 | 256QAM | 25 | 0 | 19.54 | 19.60 | 19.52 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 12 | 19.44 | 19.54 | 19.39 | | | |
| 10 | 256QAM | 25 | 25 | 19.36 | 19.47 | 19.33 | | | |
| 10 | 256QAM | 50 | 0 | 19.45 | 19.52 | 19.37 | | | |
| Channel | | | | 20425 | 20525 | 20625 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 828.5 | 838.5 | 848.5 | | | |
| 5 | QPSK | 1 | 0 | 24.73 | 24.77 | 24.64 | 25.5 | 0 | |
| 5 | QPSK | 1 | 12 | 24.61 | 24.66 | 24.57 | | | |
| 5 | QPSK | 1 | 24 | 24.61 | 24.54 | 24.54 | | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.67 | 23.56 | 24.5 | 1 | |
| 5 | QPSK | 12 | 7 | 23.58 | 23.64 | 23.55 | | | |
| 5 | QPSK | 12 | 13 | 23.54 | 23.43 | 23.58 | | | |
| 5 | QPSK | 25 | 0 | 23.46 | 23.58 | 23.55 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 0 | 23.64 | 23.80 | 23.67 | | | |
| 5 | 16QAM | 1 | 12 | 23.62 | 23.73 | 23.60 | | | |
| 5 | 16QAM | 1 | 24 | 23.62 | 23.63 | 23.58 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 0 | 22.67 | 22.82 | 22.65 | | | |
| 5 | 16QAM | 12 | 7 | 22.63 | 22.63 | 22.60 | | | |
| 5 | 16QAM | 12 | 13 | 22.54 | 22.82 | 22.57 | 23.5 | 2 | |
| 5 | 16QAM | 25 | 0 | 22.63 | 22.69 | 22.60 | | | |
| 5 | 64QAM | 1 | 0 | 22.68 | 22.74 | 22.63 | | | |
| 5 | 64QAM | 1 | 12 | 22.51 | 22.64 | 22.58 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 22.47 | 22.59 | 22.50 | | | |
| 5 | 64QAM | 12 | 0 | 21.67 | 21.77 | 21.71 | | | |
| 5 | 64QAM | 12 | 7 | 21.58 | 21.62 | 21.60 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.86 | 21.88 | 21.81 | | | |
| 5 | 64QAM | 25 | 0 | 21.60 | 21.75 | 21.61 | | | |
| 5 | 256QAM | 1 | 0 | 19.45 | 19.56 | 19.44 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 12 | 19.34 | 19.49 | 19.38 | | | |
| 5 | 256QAM | 1 | 24 | 19.33 | 19.44 | 19.29 | | | |
| 5 | 256QAM | 12 | 0 | 19.46 | 19.45 | 19.41 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 7 | 19.33 | 19.45 | 19.33 | | | |
| 5 | 256QAM | 12 | 13 | 19.27 | 19.40 | 19.20 | | | |
| 5 | 256QAM | 25 | 0 | 19.32 | 19.41 | 19.28 | | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 825.5 | 838.5 | 847.5 | | | |
| 3 | QPSK | 1 | 0 | 24.77 | 24.77 | 24.65 | 25.5 | 0 | |
| 3 | QPSK | 1 | 8 | 24.65 | 24.63 | 24.55 | | | |
| 3 | QPSK | 1 | 14 | 24.54 | 24.54 | 24.52 | | | |
| 3 | QPSK | 8 | 0 | 23.50 | 23.68 | 23.55 | 24.5 | 1 | |
| 3 | QPSK | 8 | 4 | 23.50 | 23.60 | 23.59 | | | |
| 3 | QPSK | 8 | 7 | 23.56 | 23.52 | 23.52 | | | |
| 3 | QPSK | 15 | 0 | 23.51 | 23.57 | 23.48 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 0 | 23.66 | 23.81 | 23.59 | | | |
| 3 | 16QAM | 1 | 8 | 23.60 | 23.67 | 23.60 | | | |
| 3 | 16QAM | 1 | 14 | 23.62 | 23.62 | 23.60 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 0 | 22.71 | 22.85 | 22.72 | | | |
| 3 | 16QAM | 8 | 4 | 22.56 | 22.70 | 22.65 | | | |
| 3 | 16QAM | 8 | 7 | 22.55 | 22.57 | 22.53 | 23.5 | 2 | |
| 3 | 16QAM | 15 | 0 | 22.58 | 22.67 | 22.65 | | | |
| 3 | 64QAM | 1 | 0 | 22.60 | 22.78 | 22.61 | | | |
| 3 | 64QAM | 1 | 8 | 22.52 | 22.70 | 22.59 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 22.45 | 22.63 | 22.50 | | | |
| 3 | 64QAM | 8 | 0 | 21.68 | 21.80 | 21.67 | | | |
| 3 | 64QAM | 8 | 4 | 21.51 | 21.64 | 21.57 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.57 | 21.68 | 21.61 | | | |
| 3 | 64QAM | 15 | 0 | 21.60 | 21.70 | 21.65 | | | |
| 3 | 256QAM | 1 | 0 | 19.42 | 19.50 | 19.52 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 8 | 19.32 | 19.44 | 19.33 | | | |
| 3 | 256QAM | 1 | 14 | 19.35 | 19.45 | 19.36 | | | |
| 3 | 256QAM | 8 | 0 | 19.47 | 19.51 | 19.44 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 4 | 19.39 | 19.47 | 19.33 | | | |
| 3 | 256QAM | 8 | 7 | 19.27 | 19.38 | 19.23 | | | |
| 3 | 256QAM | 15 | 0 | 19.34 | 19.41 | 19.24 | | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 824.7 | 838.5 | 848.3 | | | |
| 1.4 | QPSK | 1 | 0 | 24.74 | 24.78 | 24.64 | 25.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 24.63 | 24.67 | 24.54 | | | |
| 1.4 | QPSK | 1 | 5 | 24.61 | 24.55 | 24.50 | | | |
| 1.4 | QPSK | 3 | 0 | 23.56 | 23.68 | 23.59 | 24.5 | 1 | |
| 1.4 | QPSK | 3 | 1 | 23.51 | 23.57 | 23.52 | | | |
| 1.4 | QPSK | 3 | 3 | 23.55 | 23.51 | 23.59 | | | |
| 1.4 | QPSK | 6 | 0 | 23.46 | 23.62 | 23.49 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 0 | 23.81 | 23.79 | 23.58 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.66 | 23.69 | 23.62 | | | |
| 1.4 | 16QAM | 1 | 5 | 23.60 | 23.65 | 23.56 | 24.5 | 1 | |
| 1.4 | 16QAM | 3 | 0 | 23.59 | 23.75 | 23.64 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.64 | 23.67 | 23.63 | | | |
| 1.4 | 16QAM | 3 | 3 | 23.55 | 23.63 | 23.52 | 23.5 | 2 | |
| 1.4 | 16QAM | 6 | 0 | 22.74 | 22.81 | 22.69 | | | |
| 1.4 | 64QAM | 1 | 0 | 22.63 | 22.69 | 22.66 | | | |
| 1.4 | 64QAM | 1 | 3 | 22.57 | 22.58 | 22.53 | 23.5 | 2 | |
| 1.4 | 64QAM | 1 | 5 | 22.56 | 22.71 | 22.56 | | | |
| 1.4 | 64QAM | 3 | 0 | 22.64 | 22.77 | 22.63 | | | |
| 1.4 | 64QAM | 3 | 1 | 22.49 | 22.66 | 22.59 | 22.5 | 3 | |
| 1.4 | 64QAM | 3 | 3 | 22.49 | 22.61 | 22.48 | | | |
| 1.4 | 64QAM | 6 | 0 | 21.70 | 21.76 | 21.64 | | | |
| 1.4 | 256QAM | 1 | 0 | 19.47 | 19.55 | 19.51 | 20.5 | 5 | |
| 1.4 | 256QAM | 1 | 3 | 19.34 | 19.42 | 19.38 | | | |
| 1.4 | 256QAM | 1 | 5 | 19.30 | 19.42 | 19.30 | | | |
| 1.4 | 256QAM | 3 | 0 | 19.40 | 19.49 | 19.38 | 20.5 | 5 | |
| 1.4 | 256QAM | 3 | 1 | 19.32 | 19.41 | 19.27 | | | |
| 1.4 | 256QAM | 3 | 3 | 19.22 | 19.32 | 19.19 | | | |
| 1.4 | 256QAM | 6 | 0 | 19.31 | 19.42 | 19.32 | | | |



| Band 4 Other PA Ant1 DS14 | | | | | | | | | | | | | |
|---------------------------|------------|---------|-----------|----------------|----------------|----------------|--------------|----------|---|--|--|--|--|
| RF [MHz] | Modulation | RB Size | RB Offset | Power Ch./Frac | Power Ch./Frac | Power Ch./Frac | Turb-up [dB] | MFR [dB] | | | | | |
| Channel | | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 16.01 | 16.08 | 15.99 | | 17 | 0 | | | | |
| 20 | QPSK | 40 | 0 | 15.87 | 15.81 | 15.83 | | | | | | | |
| 20 | QPSK | 1 | 99 | 15.87 | 15.87 | 15.92 | | | | | | | |
| 20 | QPSK | 50 | 0 | 15.84 | 15.81 | 15.84 | | | | | | | |
| 20 | QPSK | 24 | 0 | 15.87 | 15.86 | 15.86 | | | | | | | |
| 20 | QPSK | 60 | 50 | 15.86 | 15.81 | 15.89 | | | | | | | |
| 20 | QPSK | 100 | 0 | 15.89 | 15.96 | 15.92 | | | | | | | |
| 20 | 16QAM | 1 | 0 | 15.84 | 15.74 | 15.70 | | | | | | | |
| 20 | 16QAM | 1 | 49 | 15.81 | 15.71 | 15.84 | | | | | | | |
| 20 | 16QAM | 1 | 99 | 15.85 | 15.87 | 15.87 | | | | | | | |
| 20 | 16QAM | 50 | 0 | 15.77 | 15.81 | 15.87 | | | | | | | |
| 20 | 16QAM | 50 | 24 | 15.89 | 15.87 | 15.87 | | | | | | | |
| 20 | 16QAM | 100 | 0 | 15.86 | 15.87 | 15.80 | | | | | | | |
| 20 | 64QAM | 1 | 0 | 15.86 | 15.86 | 15.96 | | | | | | | |
| 20 | 64QAM | 1 | 49 | 15.78 | 15.95 | 15.99 | | | | | | | |
| 20 | 64QAM | 1 | 99 | 15.86 | 15.82 | 15.76 | | | | | | | |
| 20 | 64QAM | 50 | 0 | 15.75 | 15.84 | 15.89 | | | | | | | |
| 20 | 64QAM | 50 | 24 | 15.75 | 15.89 | 15.85 | | | | | | | |
| 20 | 64QAM | 100 | 0 | 15.85 | 15.72 | 15.89 | | | | | | | |
| 20 | 256QAM | 1 | 0 | 15.75 | 15.77 | 15.74 | | | | | | | |
| 20 | 256QAM | 1 | 49 | 15.89 | 15.75 | 15.73 | | | | | | | |
| 20 | 256QAM | 1 | 99 | 15.80 | 15.86 | 15.85 | | | | | | | |
| 20 | 256QAM | 50 | 0 | 15.79 | 15.73 | 15.80 | | | | | | | |
| 20 | 256QAM | 50 | 24 | 15.79 | 15.73 | 15.86 | | | | | | | |
| 20 | 256QAM | 100 | 0 | 15.70 | 15.87 | 15.87 | | | | | | | |
| 20 | 256QAM | 100 | 0 | 15.74 | 15.84 | 15.86 | | | | | | | |
| Channel | | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 15.83 | 15.89 | 15.94 | | | | | | | |
| 15 | QPSK | 1 | 74 | 15.74 | 15.88 | 15.85 | | | | | | | |
| 15 | QPSK | 1 | 124 | 15.87 | 15.87 | 15.78 | | | | | | | |
| 15 | QPSK | 36 | 20 | 15.72 | 15.82 | 15.47 | | | | | | | |
| 15 | QPSK | 36 | 39 | 15.47 | 15.54 | 15.53 | | | | | | | |
| 15 | 16QAM | 1 | 0 | 15.86 | 15.87 | 15.86 | | | | | | | |
| 15 | 16QAM | 1 | 37 | 15.81 | 15.83 | 15.45 | | | | | | | |
| 15 | 16QAM | 1 | 74 | 15.75 | 15.77 | 15.74 | | | | | | | |
| 15 | 16QAM | 36 | 0 | 15.74 | 15.76 | 15.85 | | | | | | | |
| 15 | 16QAM | 36 | 20 | 15.50 | 15.79 | 15.77 | | | | | | | |
| 15 | 16QAM | 36 | 39 | 15.50 | 15.84 | 15.88 | | | | | | | |
| 15 | 16QAM | 75 | 0 | 15.73 | 15.78 | 15.83 | | | | | | | |
| 15 | 64QAM | 1 | 0 | 15.80 | 15.73 | 15.88 | | | | | | | |
| 15 | 64QAM | 1 | 37 | 15.80 | 15.81 | 15.89 | | | | | | | |
| 15 | 64QAM | 1 | 74 | 15.89 | 15.53 | 15.68 | | | | | | | |
| 15 | 64QAM | 36 | 0 | 15.60 | 15.47 | 15.74 | | | | | | | |
| 15 | 64QAM | 36 | 20 | 15.62 | 15.64 | 15.68 | | | | | | | |
| 15 | 64QAM | 36 | 39 | 15.63 | 15.85 | 15.70 | | | | | | | |
| 15 | 64QAM | 75 | 0 | 15.66 | 15.61 | 15.88 | | | | | | | |
| 15 | 256QAM | 1 | 37 | 15.48 | 15.71 | 15.79 | | | | | | | |
| 15 | 256QAM | 1 | 74 | 15.46 | 15.76 | 15.52 | | | | | | | |
| 15 | 256QAM | 1 | 124 | 15.75 | 15.86 | 15.86 | | | | | | | |
| 15 | 256QAM | 36 | 20 | 15.58 | 15.87 | 15.68 | | | | | | | |
| 15 | 256QAM | 36 | 39 | 15.65 | 15.74 | 15.83 | | | | | | | |
| 15 | 256QAM | 75 | 0 | 15.77 | 15.49 | 15.82 | | | | | | | |
| Channel | | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 15.83 | 15.87 | 15.87 | | | | | | | |
| 10 | QPSK | 1 | 25 | 15.82 | 15.88 | 15.84 | | | | | | | |
| 10 | QPSK | 1 | 49 | 15.70 | 15.60 | 15.64 | | | | | | | |
| 10 | QPSK | 36 | 20 | 15.68 | 15.87 | 15.78 | | | | | | | |
| 10 | QPSK | 36 | 39 | 15.67 | 15.52 | 15.48 | | | | | | | |
| 10 | QPSK | 25 | 25 | 15.54 | 15.65 | 15.42 | | | | | | | |
| 10 | 16QAM | 1 | 0 | 15.80 | 15.78 | 15.87 | | | | | | | |
| 10 | 16QAM | 1 | 0 | 15.81 | 15.66 | 15.52 | | | | | | | |
| 10 | 16QAM | 1 | 25 | 15.80 | 15.87 | 15.48 | | | | | | | |
| 10 | 16QAM | 1 | 49 | 15.65 | 15.63 | 15.74 | | | | | | | |
| 10 | 16QAM | 25 | 0 | 15.69 | 15.62 | 15.53 | | | | | | | |
| 10 | 16QAM | 25 | 12 | 15.56 | 15.84 | 15.93 | | | | | | | |
| 10 | 16QAM | 25 | 25 | 15.81 | 15.60 | 15.92 | | | | | | | |
| 10 | 16QAM | 50 | 0 | 15.65 | 15.95 | 15.73 | | | | | | | |
| 10 | 64QAM | 1 | 0 | 15.65 | 15.77 | 15.89 | | | | | | | |
| 10 | 64QAM | 1 | 25 | 15.68 | 15.88 | 15.89 | | | | | | | |
| 10 | 64QAM | 1 | 49 | 15.79 | 15.88 | 15.58 | | | | | | | |
| 10 | 64QAM | 25 | 0 | 15.61 | 15.41 | 15.75 | | | | | | | |
| 10 | 64QAM | 25 | 12 | 15.75 | 15.71 | 15.47 | | | | | | | |
| 10 | 64QAM | 25 | 25 | 15.64 | 15.88 | 15.84 | | | | | | | |
| 10 | 64QAM | 50 | 0 | 15.76 | 15.88 | 15.78 | | | | | | | |
| 10 | 64QAM | 50 | 0 | 15.62 | 15.80 | 15.81 | | | | | | | |
| 10 | 256QAM | 1 | 25 | 15.49 | 15.56 | 15.91 | | | | | | | |
| 10 | 256QAM | 1 | 49 | 15.59 | 15.90 | 15.99 | | | | | | | |
| 10 | 256QAM | 25 | 0 | 15.73 | 15.64 | 15.84 | | | | | | | |
| 10 | 256QAM | 25 | 12 | 15.55 | 15.83 | 15.71 | | | | | | | |
| 10 | 256QAM | 25 | 25 | 15.70 | 15.70 | 15.87 | | | | | | | |
| 10 | 256QAM | 50 | 0 | 15.74 | 15.50 | 15.84 | | | | | | | |
| Channel | | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 15.83 | 15.89 | 15.94 | | | | | | | |
| 5 | QPSK | 1 | 12 | 15.83 | 15.71 | 15.69 | | | | | | | |
| 5 | QPSK | 1 | 24 | 15.85 | 15.60 | 15.72 | | | | | | | |
| 5 | QPSK | 12 | 0 | 15.82 | 15.83 | 15.83 | | | | | | | |
| 5 | QPSK | 12 | 7 | 15.71 | 15.82 | 15.51 | | | | | | | |
| 5 | QPSK | 12 | 13 | 15.43 | 15.52 | 15.47 | | | | | | | |
| 5 | 16QAM | 1 | 0 | 15.75 | 15.93 | 15.79 | | | | | | | |
| 5 | 16QAM | 1 | 0 | 15.72 | 15.69 | 15.54 | | | | | | | |
| 5 | 16QAM | 1 | 12 | 15.64 | 15.87 | 15.89 | | | | | | | |
| 5 | 16QAM | 1 | 24 | 15.63 | 15.64 | 15.64 | | | | | | | |
| 5 | 16QAM | 12 | 0 | 15.69 | 15.73 | 15.66 | | | | | | | |
| 5 | 16QAM | 12 | 7 | 15.85 | 15.80 | 15.88 | | | | | | | |
| 5 | 16QAM | 12 | 13 | 15.80 | 15.66 | 15.82 | | | | | | | |
| 5 | 16QAM | 25 | 0 | 15.67 | 15.81 | 15.72 | | | | | | | |
| 5 | 64QAM | 1 | 0 | 15.64 | 15.80 | 15.77 | | | | | | | |
| 5 | 64QAM | 1 | 12 | 15.68 | 15.96 | 15.89 | | | | | | | |
| 5 | 64QAM | 1 | 24 | 15.86 | 15.54 | 15.74 | | | | | | | |
| 5 | 64QAM | 12 | 0 | 15.73 | 15.39 | 15.77 | | | | | | | |
| 5 | 64QAM | 12 | 7 | 15.77 | 15.58 | 15.46 | | | | | | | |
| 5 | 64QAM | 12 | 13 | 15.63 | 15.83 | 15.82 | | | | | | | |
| 5 | 64QAM | 25 | 0 | 15.67 | 15.81 | 15.82 | | | | | | | |
| 5 | 256QAM | 1 | 0 | 15.72 | 15.68 | 15.81 | | | | | | | |
| 5 | 256QAM | 1 | 12 | 15.41 | 15.64 | 15.81 | | | | | | | |
| 5 | 256QAM | 1 | 24 | 15.45 | 15.85 | 15.87 | | | | | | | |
| 5 | 256QAM | 12 | 0 | 15.63 | 15.60 | 15.80 | | | | | | | |
| 5 | 256QAM | 12 | 7 | 15.41 | 15.46 | 15.70 | | | | | | | |
| 5 | 256QAM | 12 | 13 | 15.47 | 15.78 | 15.84 | | | | | | | |
| 5 | 256QAM | 25 | 0 | 15.78 | 15.63 | 15.91 | | | | | | | |
| Channel | | | | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 15.86 | 15.92 | 15.88 | | | | | | | |
| 3 | QPSK | 1 | 8 | 15.73 | 15.77 | 15.66 | | | | | | | |
| 3 | QPSK | 1 | 16 | 15.84 | 15.60 | 15.72 | | | | | | | |
| 3 | QPSK | 8 | 0 | 15.83 | 15.99 | 15.78 | | | | | | | |
| 3 | QPSK | 8 | 4 | 15.84 | 15.81 | 15.80 | | | | | | | |
| 3 | QPSK | 8 | 7 | 15.78 | 15.70 | 15.74 | | | | | | | |
| 3 | 16QAM | 1 | 0 | 15.85 | 15.90 | 15.84 | | | | | | | |
| 3 | 16QAM | 1 | 8 | 15.70 | 15.68 | 15.69 | | | | | | | |
| 3 | 16QAM | 1 | 16 | 15.74 | 15.62 | 15.59 | | | | | | | |
| 3 | 16QAM | 1 | 14 | 15.63 | 15.49 | 15.77 | | | | | | | |
| 3 | 16QAM | 8 | 0 | 15.70 | 15.73 | 15.49 | | | | | | | |
| 3 | 16QAM | 8 | 4 | 15.86 | 15.83 | 15.96 | | | | | | | |
| 3 | 16QAM | 8 | 7 | 15.81 | 15.76 | 15.83 | | | | | | | |
| 3 | 16QAM | 15 | 0 | 15.51 | 15.98 | 15.77 | | | | | | | |
| 3 | 64QAM | 1 | 0 | 15.61 | 15.86 | 15.82 | | | | | | | |
| 3 | 64QAM | 1 | 8 | 15.73 | 15.74 | 15.66 | | | | | | | |
| 3 | 64QAM | 1 | 14 | 15.82 | 15.47 | 15.71 | | | | | | | |
| 3 | 64QAM | 8 | 0 | 15.74 | 15.52 | 15.68 | | | | | | | |
| 3 | 64QAM | 8 | 4 | 15.74 | 15.57 | 15.59 | | | | | | | |
| 3 | 64QAM | 8 | 7 | 15.69 | 15.93 | 15.69 | | | | | | | |
| 3 | 64QAM | 15 | 0 | 15.67 | 15.81 | 15.83 | | | | | | | |
| 3 | 256QAM | 1 | 0 | 15.59 | 15.66 | 15.92 | | | | | | | |
| 3 | 256QAM | 1 | 8 | 15.67 | 15.62 | 15.78 | | | | | | | |
| 3 | 256QAM | 1 | 14 | 15.55 | 15.85 | 15.87 | | | | | | | |



Band 4 Other PA Ant2 DS14

| SW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Mid Ch. / Freq. | Power High Ch. / Freq. | Tune-up (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|-----------------------|------------------------|---------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 18.84 | 18.39 | 18.88 | 19.5 | 0 |
| 20 | QPSK | 1 | 49 | 18.73 | 18.74 | 18.76 | | |
| 20 | QPSK | 1 | 99 | 18.59 | 18.65 | 18.77 | | |
| 20 | QPSK | 50 | 0 | 18.82 | 18.54 | 18.86 | 19.5 | 0 |
| 20 | QPSK | 50 | 24 | 18.68 | 18.72 | 18.84 | | |
| 20 | QPSK | 50 | 50 | 18.59 | 18.53 | 18.77 | | |
| 20 | QPSK | 100 | 0 | 18.76 | 18.31 | 18.78 | 19.5 | 0 |
| 20 | 16QAM | 1 | 0 | 18.65 | 18.58 | 18.47 | | |
| 20 | 16QAM | 1 | 49 | 18.66 | 18.42 | 18.50 | 19.5 | 0 |
| 20 | 16QAM | 1 | 99 | 18.51 | 18.53 | 18.63 | | |
| 20 | 16QAM | 50 | 0 | 18.51 | 18.61 | 18.63 | 19.5 | 0 |
| 20 | 16QAM | 50 | 24 | 18.57 | 18.54 | 18.61 | | |
| 20 | 16QAM | 50 | 50 | 18.61 | 18.67 | 18.69 | | |
| 20 | 16QAM | 100 | 0 | 18.50 | 18.68 | 18.66 | 19.5 | 0 |
| 20 | 84QAM | 1 | 0 | 18.63 | 18.62 | 18.84 | | |
| 20 | 84QAM | 1 | 49 | 18.67 | 18.53 | 18.65 | 19.5 | 0 |
| 20 | 84QAM | 1 | 99 | 18.68 | 18.64 | 18.61 | | |
| 20 | 84QAM | 50 | 0 | 18.52 | 18.62 | 18.50 | 19.5 | 0 |
| 20 | 84QAM | 50 | 24 | 18.38 | 18.49 | 18.28 | | |
| 20 | 84QAM | 50 | 50 | 18.45 | 18.55 | 18.40 | | |
| 20 | 84QAM | 100 | 0 | 18.52 | 18.58 | 18.51 | 19.5 | 0 |
| 20 | 256QAM | 1 | 0 | 18.48 | 18.58 | 18.52 | | |
| 20 | 256QAM | 1 | 49 | 18.43 | 18.49 | 18.40 | 19.5 | 0 |
| 20 | 256QAM | 1 | 99 | 18.37 | 18.45 | 18.39 | | |
| 20 | 256QAM | 50 | 0 | 18.43 | 18.50 | 18.43 | 19.5 | 0 |
| 20 | 256QAM | 50 | 24 | 18.36 | 18.44 | 18.36 | | |
| 20 | 256QAM | 50 | 50 | 18.28 | 18.37 | 18.28 | 19.5 | 0 |
| 20 | 256QAM | 100 | 0 | 18.32 | 18.44 | 18.38 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 20005 | 20175 | 20325 | | |
| 15 | QPSK | 1 | 0 | 18.71 | 18.74 | 18.72 | 19.5 | 0 |
| 15 | QPSK | 1 | 37 | 18.63 | 18.69 | 18.64 | | |
| 15 | QPSK | 1 | 74 | 18.58 | 18.54 | 18.65 | | |
| 15 | QPSK | 36 | 0 | 18.71 | 18.69 | 18.72 | 19.5 | 0 |
| 15 | QPSK | 36 | 20 | 18.57 | 18.59 | 18.52 | | |
| 15 | QPSK | 36 | 39 | 18.49 | 18.49 | 18.63 | | |
| 15 | QPSK | 75 | 0 | 18.74 | 18.71 | 18.67 | 19.5 | 0 |
| 15 | 16QAM | 1 | 0 | 18.45 | 18.42 | 18.40 | | |
| 15 | 16QAM | 1 | 37 | 18.57 | 18.27 | 18.33 | 19.5 | 0 |
| 15 | 16QAM | 1 | 74 | 18.34 | 18.42 | 18.55 | | |
| 15 | 16QAM | 36 | 0 | 18.38 | 18.55 | 18.67 | 19.5 | 0 |
| 15 | 16QAM | 36 | 20 | 18.49 | 18.63 | 18.76 | | |
| 15 | 16QAM | 36 | 39 | 18.60 | 18.57 | 18.49 | | |
| 15 | 16QAM | 75 | 0 | 18.33 | 18.62 | 18.52 | 19.5 | 0 |
| 15 | 84QAM | 1 | 0 | 18.60 | 18.49 | 18.61 | | |
| 15 | 84QAM | 1 | 37 | 18.50 | 18.73 | 18.71 | 19.5 | 0 |
| 15 | 84QAM | 1 | 74 | 18.58 | 18.49 | 18.55 | | |
| 15 | 84QAM | 36 | 0 | 18.40 | 18.53 | 18.36 | 19.5 | 0 |
| 15 | 84QAM | 36 | 20 | 18.29 | 18.36 | 18.22 | | |
| 15 | 84QAM | 36 | 39 | 18.37 | 18.50 | 18.41 | | |
| 15 | 84QAM | 75 | 0 | 18.37 | 18.49 | 18.40 | 19.5 | 0 |
| 15 | 256QAM | 1 | 0 | 18.42 | 18.44 | 18.44 | | |
| 15 | 256QAM | 1 | 37 | 18.34 | 18.38 | 18.27 | 19.5 | 0 |
| 15 | 256QAM | 1 | 74 | 18.26 | 18.38 | 18.31 | | |
| 15 | 256QAM | 36 | 0 | 18.28 | 18.37 | 18.36 | 19.5 | 0 |
| 15 | 256QAM | 36 | 20 | 18.24 | 18.37 | 18.30 | | |
| 15 | 256QAM | 36 | 39 | 18.20 | 18.28 | 18.16 | 19.5 | 0 |
| 15 | 256QAM | 75 | 0 | 18.22 | 18.37 | 18.22 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 20000 | 20175 | 20350 | | |
| 10 | QPSK | 1 | 0 | 18.62 | 18.77 | 18.66 | 19.5 | 0 |
| 10 | QPSK | 1 | 25 | 18.55 | 18.54 | 18.63 | | |
| 10 | QPSK | 1 | 49 | 18.51 | 18.61 | 18.74 | | |
| 10 | QPSK | 25 | 0 | 18.78 | 18.77 | 18.78 | 19.5 | 0 |
| 10 | QPSK | 25 | 12 | 18.54 | 18.58 | 18.51 | | |
| 10 | QPSK | 25 | 25 | 18.55 | 18.34 | 18.68 | | |
| 10 | QPSK | 50 | 0 | 18.72 | 18.71 | 18.66 | 19.5 | 0 |
| 10 | 16QAM | 1 | 0 | 18.48 | 18.41 | 18.39 | | |
| 10 | 16QAM | 1 | 25 | 18.48 | 18.36 | 18.33 | 19.5 | 0 |
| 10 | 16QAM | 1 | 49 | 18.36 | 18.43 | 18.51 | | |
| 10 | 16QAM | 25 | 0 | 18.33 | 18.61 | 18.76 | 19.5 | 0 |
| 10 | 16QAM | 25 | 12 | 18.41 | 18.62 | 18.75 | | |
| 10 | 16QAM | 25 | 25 | 18.68 | 18.48 | 18.46 | | |
| 10 | 16QAM | 50 | 0 | 18.41 | 18.57 | 18.59 | 19.5 | 0 |
| 10 | 84QAM | 1 | 0 | 18.59 | 18.46 | 18.70 | | |
| 10 | 84QAM | 1 | 25 | 18.54 | 18.71 | 18.65 | 19.5 | 0 |
| 10 | 84QAM | 1 | 49 | 18.53 | 18.52 | 18.46 | | |
| 10 | 84QAM | 25 | 0 | 18.39 | 18.53 | 18.43 | 19.5 | 0 |
| 10 | 84QAM | 25 | 12 | 18.29 | 18.43 | 18.23 | | |
| 10 | 84QAM | 25 | 25 | 18.38 | 18.47 | 18.41 | | |
| 10 | 84QAM | 50 | 0 | 18.43 | 18.43 | 18.36 | 19.5 | 0 |
| 10 | 256QAM | 1 | 0 | 18.39 | 18.48 | 18.44 | | |
| 10 | 256QAM | 1 | 25 | 18.30 | 18.39 | 18.30 | 19.5 | 0 |
| 10 | 256QAM | 1 | 49 | 18.26 | 18.37 | 18.32 | | |
| 10 | 256QAM | 25 | 0 | 18.38 | 18.42 | 18.31 | 19.5 | 0 |
| 10 | 256QAM | 25 | 12 | 18.23 | 18.32 | 18.23 | | |
| 10 | 256QAM | 25 | 25 | 18.18 | 18.23 | 18.21 | 19.5 | 0 |
| 10 | 256QAM | 50 | 0 | 18.20 | 18.31 | 18.23 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 19975 | 20175 | 20375 | | |
| 5 | QPSK | 1 | 0 | 18.77 | 18.78 | 18.86 | 19.5 | 0 |
| 5 | QPSK | 1 | 12 | 18.58 | 18.62 | 18.65 | | |
| 5 | QPSK | 1 | 24 | 18.57 | 18.47 | 18.62 | | |
| 5 | QPSK | 12 | 0 | 18.69 | 18.93 | 18.72 | 19.5 | 0 |
| 5 | QPSK | 12 | 7 | 18.67 | 18.70 | 18.54 | | |
| 5 | QPSK | 12 | 13 | 18.49 | 18.38 | 18.70 | | |
| 5 | QPSK | 25 | 0 | 18.67 | 18.78 | 18.78 | 19.5 | 0 |
| 5 | 16QAM | 1 | 0 | 18.67 | 18.53 | 18.36 | | |
| 5 | 16QAM | 1 | 12 | 18.59 | 18.36 | 18.41 | 19.5 | 0 |
| 5 | 16QAM | 1 | 24 | 18.42 | 18.43 | 18.60 | | |
| 5 | 16QAM | 12 | 0 | 18.50 | 18.61 | 18.67 | 19.5 | 0 |
| 5 | 16QAM | 12 | 7 | 18.48 | 18.50 | 18.70 | | |
| 5 | 16QAM | 12 | 13 | 18.79 | 18.53 | 18.53 | | |
| 5 | 16QAM | 25 | 0 | 18.46 | 18.51 | 18.48 | 19.5 | 0 |
| 5 | 84QAM | 1 | 0 | 18.46 | 18.55 | 18.67 | | |
| 5 | 84QAM | 1 | 12 | 18.60 | 18.92 | 18.86 | 19.5 | 0 |
| 5 | 84QAM | 1 | 24 | 18.52 | 18.64 | 18.49 | | |
| 5 | 84QAM | 12 | 0 | 18.39 | 18.49 | 18.37 | 19.5 | 0 |
| 5 | 84QAM | 12 | 7 | 18.33 | 18.42 | 18.26 | | |
| 5 | 84QAM | 12 | 13 | 18.37 | 18.42 | 18.39 | 19.5 | 0 |
| 5 | 84QAM | 25 | 0 | 18.46 | 18.47 | 18.42 | | |
| 5 | 256QAM | 1 | 0 | 18.38 | 18.44 | 18.36 | | |
| 5 | 256QAM | 1 | 12 | 18.34 | 18.37 | 18.33 | 19.5 | 0 |
| 5 | 256QAM | 1 | 24 | 18.26 | 18.38 | 18.31 | | |
| 5 | 256QAM | 12 | 0 | 18.38 | 18.40 | 18.31 | 19.5 | 0 |
| 5 | 256QAM | 12 | 7 | 18.29 | 18.29 | 18.28 | | |
| 5 | 256QAM | 12 | 13 | 18.19 | 18.23 | 18.23 | 19.5 | 0 |
| 5 | 256QAM | 25 | 0 | 18.18 | 18.36 | 18.24 | | |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 19965 | 20175 | 20395 | | |
| 3 | QPSK | 1 | 0 | 18.65 | 18.78 | 18.71 | 19.5 | 0 |
| 3 | QPSK | 1 | 8 | 18.58 | 18.65 | 18.63 | | |
| 3 | QPSK | 1 | 14 | 18.42 | 18.54 | 18.75 | | |
| 3 | QPSK | 8 | 0 | 18.74 | 18.73 | 18.69 | 19.5 | 0 |
| 3 | QPSK | 8 | 4 | 18.63 | 18.62 | 18.51 | | |
| 3 | QPSK | 8 | 7 | 18.46 | 18.51 | 18.58 | | |
| 3 | QPSK | 15 | 0 | 18.59 | 18.70 | 18.76 | 19.5 | 0 |
| 3 | 16QAM | 1 | 0 | 18.47 | 18.57 | 18.45 | | |
| 3 | 16QAM | 1 | 8 | 18.63 | 18.31 | 18.56 | 19.5 | 0 |
| 3 | 16QAM | 1 | 14 | 18.32 | 18.43 | 18.90 | | |
| 3 | 16QAM | 8 | 0 | 18.32 | 18.43 | 18.79 | 19.5 | 0 |
| 3 | 16QAM | 8 | 4 | 18.48 | 18.56 | 18.66 | | |
| 3 | 16QAM | 8 | 7 | 18.73 | 18.93 | 18.65 | | |
| 3 | 16QAM | 15 | 0 | 18.33 | 18.51 | 18.54 | 19.5 | 0 |
| 3 | 84QAM | 1 | 0 | 18.69 | 18.51 | 18.70 | | |
| 3 | 84QAM | 1 | 8 | 18.60 | 18.79 | 18.70 | 19.5 | 0 |
| 3 | 84QAM | 1 | 14 | 18.63 | 18.49 | 18.59 | | |
| 3 | 84QAM | 8 | 0 | 18.45 | 18.47 | 18.38 | 19.5 | 0 |
| 3 | 84QAM | 8 | 4 | 18.28 | 18.36 | 18.23 | | |
| 3 | 84QAM | 8 | 7 | 18.34 | 18.41 | 18.36 | | |
| 3 | 84QAM | 15 | 0 | 18.44 | 18.49 | 18.42 | 19.5 | 0 |
| 3 | 256QAM | 1 | 0 | 18.40 | 18.47 | 18.40 | | |
| 3 | 256QAM | 1 | 8 | 18.36 | 18.35 | 18.33 | 19.5 | 0 |
| 3 | 256QAM | 1 | 14 | 18.28 | 18.38 | 18.28 | | |
| 3 | 256QAM | 8 | 0 | 18.29 | 18.41 | 18.36 | 19.5 | 0 |
| 3 | 256QAM | 8 | 4 | 18 | | | | |



| Band 4 Other PA Ant3 DSI4 | | | | | | | | | | |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up (dB) | MFR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 19.12 | 19.20 | 19.13 | 20.5 | 0 | | |
| 20 | QPSK | 1 | 49 | 19.98 | 19.92 | 19.94 | | | | |
| 20 | QPSK | 1 | 99 | 18.93 | 18.92 | 19.05 | | | | |
| 20 | QPSK | 50 | 0 | 19.11 | 19.15 | 19.15 | 20.5 | 0 | | |
| 20 | QPSK | 50 | 24 | 19.93 | 19.10 | 19.00 | | | | |
| 20 | QPSK | 50 | 50 | 18.98 | 18.98 | 19.02 | | | | |
| 20 | QPSK | 100 | 0 | 19.14 | 19.16 | 19.11 | | | | |
| 20 | QPSK | 100 | 24 | 19.93 | 19.90 | 19.89 | | | | |
| 20 | 16QAM | 1 | 49 | 18.95 | 18.72 | 18.69 | 20.5 | 0 | | |
| 20 | 16QAM | 1 | 99 | 18.82 | 18.82 | 18.99 | | | | |
| 20 | 16QAM | 50 | 0 | 19.54 | 18.82 | 18.52 | | | | |
| 20 | 16QAM | 50 | 24 | 18.59 | 18.68 | 18.52 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 49 | 18.57 | 18.72 | 18.52 | | | | |
| 20 | 16QAM | 100 | 0 | 18.53 | 18.78 | 18.56 | | | | |
| 20 | 16QAM | 100 | 24 | 18.54 | 18.80 | 18.56 | 20.5 | 0 | | |
| 20 | 16QAM | 100 | 49 | 18.57 | 18.72 | 18.52 | | | | |
| 20 | 16QAM | 1 | 99 | 18.53 | 18.65 | 18.52 | | | | |
| 20 | 16QAM | 50 | 0 | 18.65 | 18.86 | 18.63 | | | | |
| 20 | 16QAM | 50 | 24 | 18.69 | 18.82 | 18.67 | 20.5 | 0 | | |
| 20 | 16QAM | 50 | 50 | 18.67 | 18.79 | 18.64 | | | | |
| 20 | 16QAM | 100 | 0 | 18.62 | 18.82 | 18.64 | | | | |
| 20 | 16QAM | 100 | 24 | 18.52 | 18.85 | 18.58 | 20.5 | 0 | | |
| 20 | 256QAM | 1 | 49 | 18.56 | 18.59 | 18.56 | 20.5 | 0 | | |
| 20 | 256QAM | 1 | 99 | 18.51 | 18.55 | 18.52 | | | | |
| 20 | 256QAM | 50 | 0 | 18.58 | 18.51 | 18.53 | | | | |
| 20 | 256QAM | 50 | 24 | 18.53 | 18.55 | 18.51 | 20.5 | 0 | | |
| 20 | 256QAM | 50 | 50 | 18.59 | 18.58 | 18.53 | | | | |
| 20 | 256QAM | 100 | 0 | 18.52 | 18.55 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 18.18 | 18.15 | 18.18 | 20.5 | 0 | | |
| 15 | QPSK | 1 | 37 | 18.84 | 18.82 | 18.82 | | | | |
| 15 | QPSK | 1 | 74 | 18.92 | 18.83 | 19.01 | | | | |
| 15 | QPSK | 36 | 0 | 18.54 | 18.89 | 18.18 | 20.5 | 0 | | |
| 15 | QPSK | 36 | 20 | 18.74 | 18.84 | 18.81 | | | | |
| 15 | QPSK | 36 | 36 | 18.79 | 18.84 | 19.02 | | | | |
| 15 | QPSK | 75 | 0 | 18.93 | 19.09 | 18.99 | | | | |
| 15 | 16QAM | 1 | 0 | 18.87 | 18.89 | 18.78 | 20.5 | 0 | | |
| 15 | 16QAM | 1 | 37 | 18.86 | 18.81 | 18.97 | | | | |
| 15 | 16QAM | 1 | 74 | 18.74 | 18.84 | 18.55 | | | | |
| 15 | 16QAM | 36 | 0 | 18.54 | 18.74 | 18.52 | 20.5 | 0 | | |
| 15 | 16QAM | 36 | 20 | 18.57 | 18.53 | 18.53 | | | | |
| 15 | 16QAM | 36 | 36 | 18.56 | 18.52 | 18.53 | | | | |
| 15 | 16QAM | 75 | 0 | 18.54 | 18.65 | 18.59 | | | | |
| 15 | 16QAM | 1 | 0 | 18.58 | 18.70 | 18.57 | 20.5 | 0 | | |
| 15 | 16QAM | 1 | 37 | 18.52 | 18.63 | 18.53 | | | | |
| 15 | 16QAM | 1 | 74 | 18.55 | 18.51 | 18.51 | | | | |
| 15 | 16QAM | 36 | 0 | 18.63 | 18.81 | 18.65 | 20.5 | 0 | | |
| 15 | 16QAM | 36 | 20 | 18.62 | 18.62 | 18.66 | | | | |
| 15 | 16QAM | 36 | 36 | 18.66 | 18.69 | 18.70 | | | | |
| 15 | 16QAM | 75 | 0 | 18.70 | 18.77 | 18.66 | | | | |
| 15 | 256QAM | 1 | 0 | 18.52 | 18.52 | 18.51 | 20.5 | 0 | | |
| 15 | 256QAM | 1 | 37 | 18.53 | 18.59 | 18.58 | | | | |
| 15 | 256QAM | 1 | 74 | 18.50 | 18.52 | 18.53 | | | | |
| 15 | 256QAM | 36 | 0 | 18.51 | 18.51 | 18.67 | | | | |
| 15 | 256QAM | 36 | 20 | 18.64 | 18.67 | 18.82 | 20.5 | 0 | | |
| 15 | 256QAM | 36 | 36 | 18.52 | 18.59 | 18.53 | | | | |
| 15 | 256QAM | 75 | 0 | 18.67 | 18.52 | 18.51 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 18.58 | 19.07 | 18.58 | 20.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 18.83 | 19.01 | 18.78 | | | | |
| 10 | QPSK | 1 | 49 | 18.82 | 18.78 | 19.01 | | | | |
| 10 | QPSK | 25 | 0 | 18.93 | 19.18 | 18.06 | 20.5 | 0 | | |
| 10 | QPSK | 25 | 12 | 18.91 | 19.08 | 18.99 | | | | |
| 10 | QPSK | 25 | 25 | 18.84 | 18.84 | 18.87 | | | | |
| 10 | QPSK | 50 | 0 | 18.13 | 19.03 | 18.11 | 20.5 | 0 | | |
| 10 | 16QAM | 1 | 0 | 18.82 | 18.73 | 18.84 | 20.5 | 0 | | |
| 10 | 16QAM | 1 | 25 | 18.87 | 18.71 | 18.84 | | | | |
| 10 | 16QAM | 1 | 49 | 18.80 | 18.62 | 18.74 | | | | |
| 10 | 16QAM | 25 | 0 | 18.60 | 18.74 | 18.65 | 20.5 | 0 | | |
| 10 | 16QAM | 25 | 12 | 18.58 | 18.56 | 18.80 | | | | |
| 10 | 16QAM | 25 | 25 | 18.51 | 18.53 | 18.53 | | | | |
| 10 | 16QAM | 50 | 0 | 18.51 | 18.70 | 18.70 | | | | |
| 10 | 16QAM | 1 | 0 | 18.60 | 18.68 | 18.63 | 20.5 | 0 | | |
| 10 | 16QAM | 1 | 25 | 18.66 | 18.62 | 18.62 | | | | |
| 10 | 16QAM | 1 | 49 | 18.58 | 18.57 | 18.57 | | | | |
| 10 | 16QAM | 25 | 0 | 18.73 | 18.76 | 18.59 | 20.5 | 0 | | |
| 10 | 16QAM | 25 | 12 | 18.66 | 18.62 | 18.62 | | | | |
| 10 | 16QAM | 25 | 25 | 18.64 | 18.67 | 18.77 | | | | |
| 10 | 16QAM | 50 | 0 | 18.61 | 18.72 | 18.84 | | | | |
| 10 | 256QAM | 1 | 0 | 18.55 | 18.61 | 18.59 | 20.5 | 0 | | |
| 10 | 256QAM | 1 | 25 | 18.53 | 18.59 | 18.59 | | | | |
| 10 | 256QAM | 1 | 49 | 18.53 | 18.54 | 18.51 | | | | |
| 10 | 256QAM | 25 | 0 | 18.53 | 18.55 | 18.57 | | | | |
| 10 | 256QAM | 25 | 12 | 18.56 | 18.53 | 18.58 | 20.5 | 0 | | |
| 10 | 256QAM | 25 | 25 | 18.58 | 18.58 | 18.54 | | | | |
| 10 | 256QAM | 50 | 0 | 18.52 | 18.52 | 18.53 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 18.13 | 18.02 | 18.13 | 20.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 18.94 | 19.01 | 18.92 | | | | |
| 5 | QPSK | 1 | 24 | 18.82 | 18.88 | 19.01 | | | | |
| 5 | QPSK | 12 | 0 | 18.02 | 18.12 | 18.08 | 20.5 | 0 | | |
| 5 | QPSK | 12 | 7 | 18.88 | 19.03 | 18.89 | | | | |
| 5 | QPSK | 12 | 13 | 18.96 | 18.91 | 18.98 | | | | |
| 5 | QPSK | 25 | 0 | 18.12 | 18.12 | 18.05 | | | | |
| 5 | 16QAM | 1 | 0 | 18.90 | 18.84 | 18.70 | 20.5 | 0 | | |
| 5 | 16QAM | 1 | 12 | 18.86 | 18.84 | 18.84 | | | | |
| 5 | 16QAM | 1 | 24 | 18.65 | 18.80 | 18.85 | | | | |
| 5 | 16QAM | 12 | 0 | 18.90 | 19.03 | 19.00 | 20.5 | 0 | | |
| 5 | 16QAM | 12 | 7 | 18.77 | 18.85 | 18.96 | | | | |
| 5 | 16QAM | 12 | 13 | 18.66 | 18.73 | 18.88 | | | | |
| 5 | 16QAM | 25 | 0 | 18.87 | 18.88 | 18.95 | | | | |
| 5 | 16QAM | 1 | 0 | 18.97 | 19.05 | 18.97 | 20.5 | 0 | | |
| 5 | 16QAM | 1 | 12 | 18.90 | 18.92 | 18.96 | | | | |
| 5 | 16QAM | 1 | 24 | 18.77 | 18.86 | 18.84 | | | | |
| 5 | 16QAM | 12 | 0 | 18.78 | 18.90 | 18.80 | 20.5 | 0 | | |
| 5 | 16QAM | 12 | 7 | 18.84 | 18.72 | 18.70 | | | | |
| 5 | 16QAM | 12 | 13 | 18.69 | 18.80 | 18.80 | | | | |
| 5 | 256QAM | 1 | 0 | 18.67 | 18.88 | 18.72 | 20.5 | 0 | | |
| 5 | 256QAM | 1 | 1 | 18.80 | 18.85 | 18.84 | | | | |
| 5 | 256QAM | 1 | 12 | 18.64 | 18.78 | 18.71 | | | | |
| 5 | 256QAM | 12 | 0 | 18.69 | 18.75 | 18.85 | 20.5 | 0 | | |
| 5 | 256QAM | 12 | 7 | 18.67 | 18.83 | 18.82 | | | | |
| 5 | 256QAM | 12 | 13 | 18.60 | 18.78 | 18.73 | | | | |
| 5 | 256QAM | 25 | 0 | 18.67 | 18.65 | 18.84 | 20.5 | 0 | | |
| 5 | 256QAM | 25 | 0 | 18.73 | 18.75 | 18.77 | | | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 19.07 | 19.11 | 19.09 | 20.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 18.82 | 19.08 | 18.86 | | | | |
| 3 | QPSK | 1 | 14 | 18.77 | 18.75 | 19.01 | | | | |
| 3 | QPSK | 8 | 0 | 18.93 | 19.04 | 19.09 | 20.5 | 0 | | |
| 3 | QPSK | 8 | 4 | 18.93 | 18.99 | 19.11 | | | | |
| 3 | QPSK | 8 | 7 | 18.92 | 18.94 | 18.90 | | | | |
| 3 | QPSK | 8 | 14 | 19.10 | 19.01 | 19.00 | | | | |
| 3 | 16QAM | 1 | 0 | 18.84 | 18.78 | 18.74 | 20.5 | 0 | | |
| 3 | 16QAM | 1 | 8 | 18.86 | 18.82 | 18.89 | | | | |
| 3 | 16QAM | 1 | 14 | 18.85 | 18.75 | 18.72 | | | | |
| 3 | 16QAM | 8 | 0 | 18.94 | 19.03 | 18.93 | 20.5 | 0 | | |
| 3 | 16QAM | 8 | 4 | 18.78 | 18.90 | 18.89 | | | | |
| 3 | 16QAM | 8 | 7 | 18.87 | 18.78 | 18.82 | | | | |
| 3 | 16QAM | 15 | 0 | 18.89 | 18.80 | 18.76 | 20.5 | 0 | | |
| 3 | 16Q | | | | | | | | | |



Band 4 Other PA Ant4

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power High Ch / Freq | Power High Ch / Freq 200% | Turn-up limit (dBm) | MPE (dB) | Channel | | | |
|----------|------------|---------|-----------|---------------------|----------------------|---------------------------|---------------------|----------|-----------------|------|--------|------|
| | | | | | | | | | Frequency (MHz) | 1720 | 1725.5 | 1745 |
| 20 | QPSK | 1 | 0 | 23.07 | 23.27 | 23.21 | 24.5 | 0 | | | | |
| 20 | QPSK | 1 | 49 | 22.91 | 23.15 | 23.12 | | | | | | |
| 20 | QPSK | 1 | 99 | 23.03 | 23.22 | 23.20 | | | | | | |
| 20 | QPSK | 50 | 0 | 21.98 | 22.27 | 22.14 | | | | | | |
| 20 | QPSK | 50 | 24 | 22.00 | 22.18 | 22.14 | | | 23.5 | | | |
| 20 | QPSK | 50 | 50 | 22.05 | 22.23 | 22.24 | | | | | | |
| 20 | QPSK | 100 | 0 | 22.00 | 22.19 | 22.10 | | | | | | |
| 20 | 16QAM | 1 | 0 | 22.03 | 22.21 | 22.11 | | | 23.5 | | | |
| 20 | 16QAM | 1 | 49 | 22.14 | 22.31 | 22.27 | | | | | | |
| 20 | 16QAM | 1 | 99 | 22.09 | 22.27 | 22.25 | | | | | | |
| 20 | 16QAM | 50 | 0 | 21.05 | 21.25 | 21.22 | | | | | | |
| 20 | 16QAM | 50 | 24 | 21.08 | 21.26 | 21.20 | | | 22.5 | | | |
| 20 | 16QAM | 50 | 50 | 21.04 | 21.21 | 21.14 | | | | | | |
| 20 | 16QAM | 100 | 0 | 20.99 | 21.23 | 21.15 | | | | | | |
| 20 | 84QAM | 1 | 0 | 20.93 | 21.13 | 21.11 | | | 22.5 | | | |
| 20 | 84QAM | 1 | 49 | 21.00 | 21.24 | 21.14 | | | | | | |
| 20 | 84QAM | 1 | 99 | 21.00 | 21.23 | 21.17 | | | | | | |
| 20 | 84QAM | 50 | 0 | 20.93 | 20.22 | 20.17 | | | | | | |
| 20 | 84QAM | 50 | 24 | 20.98 | 20.25 | 20.20 | | | 21.5 | | | |
| 20 | 84QAM | 50 | 50 | 20.95 | 20.23 | 20.18 | | | | | | |
| 20 | 84QAM | 100 | 0 | 20.91 | 20.20 | 20.16 | | | | | | |
| 20 | 256QAM | 1 | 0 | 17.81 | 18.02 | 17.90 | | | | | | |
| 20 | 256QAM | 1 | 49 | 17.87 | 18.11 | 18.07 | | | 19.5 | | | |
| 20 | 256QAM | 1 | 99 | 17.83 | 18.04 | 17.97 | | | | | | |
| 20 | 256QAM | 50 | 0 | 18.06 | 18.26 | 18.18 | | | | | | |
| 20 | 256QAM | 50 | 24 | 17.93 | 18.16 | 18.15 | | | 19.5 | | | |
| 20 | 256QAM | 50 | 50 | 17.94 | 18.17 | 18.14 | | | | | | |
| 20 | 256QAM | 100 | 0 | 18.00 | 18.19 | 18.13 | | | | | | |
| | | | | 20005 | 20175 | 20325 | | | | | | |
| | | | | 1717.5 | 1723.5 | 1747.5 | | | | | | |
| 15 | QPSK | 1 | 0 | 22.83 | 23.12 | 23.14 | | | | | | |
| 15 | QPSK | 1 | 37 | 22.80 | 23.03 | 23.04 | | | 24.5 | | | |
| 15 | QPSK | 1 | 74 | 22.90 | 23.11 | 23.12 | | | | | | |
| 15 | QPSK | 36 | 0 | 21.80 | 22.14 | 22.04 | | | | | | |
| 15 | QPSK | 36 | 20 | 21.89 | 22.12 | 22.05 | | | 23.5 | | | |
| 15 | QPSK | 36 | 39 | 22.00 | 22.16 | 22.10 | | | | | | |
| 15 | QPSK | 75 | 0 | 21.88 | 22.14 | 22.08 | | | | | | |
| 15 | 16QAM | 1 | 0 | 21.97 | 22.15 | 22.01 | | | 23.5 | | | |
| 15 | 16QAM | 1 | 37 | 22.02 | 22.17 | 22.14 | | | | | | |
| 15 | 16QAM | 1 | 74 | 21.94 | 22.17 | 22.20 | | | | | | |
| 15 | 16QAM | 36 | 0 | 20.97 | 21.14 | 21.11 | | | | | | |
| 15 | 16QAM | 36 | 20 | 21.01 | 21.12 | 21.08 | | | 22.5 | | | |
| 15 | 16QAM | 36 | 39 | 20.90 | 21.08 | 21.03 | | | | | | |
| 15 | 16QAM | 75 | 0 | 20.92 | 21.17 | 21.02 | | | | | | |
| 15 | 84QAM | 1 | 0 | 20.82 | 21.02 | 21.05 | | | | | | |
| 15 | 84QAM | 1 | 37 | 20.89 | 21.15 | 21.09 | | | 22.5 | | | |
| 15 | 84QAM | 1 | 74 | 20.90 | 21.16 | 21.11 | | | | | | |
| 15 | 84QAM | 36 | 0 | 19.94 | 20.09 | 20.09 | | | | | | |
| 15 | 84QAM | 36 | 20 | 19.97 | 20.16 | 20.05 | | | 21.5 | | | |
| 15 | 84QAM | 36 | 39 | 19.98 | 20.08 | 20.03 | | | | | | |
| 15 | 84QAM | 75 | 0 | 19.92 | 20.07 | 20.06 | | | | | | |
| 15 | 256QAM | 1 | 0 | 17.68 | 17.90 | 17.83 | | | | | | |
| 15 | 256QAM | 1 | 37 | 17.74 | 18.04 | 17.97 | | | 19.5 | | | |
| 15 | 256QAM | 1 | 74 | 17.76 | 17.92 | 17.90 | | | | | | |
| 15 | 256QAM | 36 | 0 | 17.97 | 18.11 | 18.02 | | | | | | |
| 15 | 256QAM | 36 | 20 | 17.82 | 18.03 | 18.01 | | | 19.5 | | | |
| 15 | 256QAM | 36 | 39 | 17.89 | 18.11 | 18.02 | | | | | | |
| 15 | 256QAM | 75 | 0 | 17.90 | 18.08 | 18.05 | | | | | | |
| | | | | 20000 | 20175 | 20350 | | | | | | |
| | | | | 1715 | 1723.5 | 1750 | | | | | | |
| 10 | QPSK | 1 | 0 | 23.02 | 23.15 | 23.17 | | | | | | |
| 10 | QPSK | 1 | 25 | 22.78 | 23.03 | 23.01 | | | 24.5 | | | |
| 10 | QPSK | 1 | 49 | 22.98 | 23.08 | 23.12 | | | | | | |
| 10 | QPSK | 25 | 0 | 21.84 | 22.17 | 22.08 | | | | | | |
| 10 | QPSK | 25 | 12 | 21.84 | 22.06 | 22.05 | | | 23.5 | | | |
| 10 | QPSK | 25 | 25 | 21.98 | 22.20 | 22.12 | | | | | | |
| 10 | QPSK | 50 | 0 | 21.85 | 22.04 | 21.98 | | | | | | |
| 10 | 16QAM | 1 | 0 | 21.98 | 22.08 | 22.02 | | | 23.5 | | | |
| 10 | 16QAM | 1 | 25 | 22.00 | 22.20 | 22.13 | | | | | | |
| 10 | 16QAM | 1 | 49 | 22.04 | 22.21 | 22.18 | | | | | | |
| 10 | 16QAM | 25 | 0 | 20.95 | 21.19 | 21.15 | | | | | | |
| 10 | 16QAM | 25 | 12 | 20.99 | 21.21 | 21.07 | | | 22.5 | | | |
| 10 | 16QAM | 25 | 25 | 20.97 | 21.11 | 21.01 | | | | | | |
| 10 | 16QAM | 50 | 0 | 20.91 | 21.15 | 21.08 | | | | | | |
| 10 | 84QAM | 1 | 0 | 20.83 | 21.06 | 21.01 | | | | | | |
| 10 | 84QAM | 1 | 25 | 20.91 | 21.18 | 21.04 | | | 22.5 | | | |
| 10 | 84QAM | 1 | 49 | 20.84 | 21.16 | 21.10 | | | | | | |
| 10 | 84QAM | 25 | 0 | 19.90 | 20.07 | 20.10 | | | | | | |
| 10 | 84QAM | 25 | 12 | 19.94 | 20.15 | 20.07 | | | 21.5 | | | |
| 10 | 84QAM | 25 | 25 | 19.92 | 20.15 | 20.07 | | | | | | |
| 10 | 84QAM | 50 | 0 | 19.95 | 20.13 | 20.02 | | | | | | |
| 10 | 256QAM | 1 | 0 | 17.67 | 17.82 | 17.88 | | | | | | |
| 10 | 256QAM | 1 | 25 | 17.73 | 18.03 | 17.96 | | | 19.5 | | | |
| 10 | 256QAM | 1 | 49 | 17.72 | 17.90 | 17.85 | | | | | | |
| 10 | 256QAM | 25 | 0 | 17.91 | 18.14 | 18.02 | | | | | | |
| 10 | 256QAM | 25 | 12 | 17.88 | 18.08 | 18.00 | | | 19.5 | | | |
| 10 | 256QAM | 25 | 25 | 17.81 | 18.10 | 18.06 | | | | | | |
| 10 | 256QAM | 50 | 0 | 17.81 | 18.09 | 18.05 | | | | | | |
| | | | | 19975 | 20175 | 20375 | | | | | | |
| | | | | 1712.5 | 1723.5 | 1752.5 | | | | | | |
| 5 | QPSK | 1 | 0 | 22.83 | 23.14 | 23.11 | | | | | | |
| 5 | QPSK | 1 | 12 | 22.83 | 23.06 | 23.03 | | | 24.5 | | | |
| 5 | QPSK | 1 | 24 | 22.96 | 23.16 | 23.09 | | | | | | |
| 5 | QPSK | 12 | 0 | 21.83 | 22.17 | 22.05 | | | | | | |
| 5 | QPSK | 12 | 7 | 21.91 | 22.12 | 22.05 | | | 23.5 | | | |
| 5 | QPSK | 12 | 13 | 21.98 | 22.15 | 22.12 | | | | | | |
| 5 | QPSK | 25 | 0 | 21.85 | 22.08 | 21.98 | | | | | | |
| 5 | 16QAM | 1 | 0 | 21.93 | 22.07 | 21.97 | | | | | | |
| 5 | 16QAM | 1 | 12 | 22.03 | 22.18 | 22.14 | | | 23.5 | | | |
| 5 | 16QAM | 1 | 24 | 21.99 | 22.15 | 22.11 | | | | | | |
| 5 | 16QAM | 12 | 0 | 20.86 | 21.17 | 21.13 | | | | | | |
| 5 | 16QAM | 12 | 7 | 20.96 | 21.16 | 21.09 | | | 22.5 | | | |
| 5 | 16QAM | 12 | 13 | 20.96 | 21.10 | 21.08 | | | | | | |
| 5 | 16QAM | 25 | 0 | 20.80 | 21.13 | 21.07 | | | | | | |
| 5 | 84QAM | 1 | 0 | 20.88 | 21.05 | 21.02 | | | | | | |
| 5 | 84QAM | 1 | 12 | 20.88 | 21.09 | 21.07 | | | 22.5 | | | |
| 5 | 84QAM | 1 | 24 | 20.86 | 21.12 | 21.10 | | | | | | |
| 5 | 84QAM | 12 | 0 | 19.95 | 20.14 | 20.03 | | | | | | |
| 5 | 84QAM | 12 | 7 | 19.98 | 20.11 | 20.06 | | | 21.5 | | | |
| 5 | 84QAM | 12 | 13 | 19.92 | 20.13 | 20.07 | | | | | | |
| 5 | 84QAM | 25 | 0 | 19.90 | 20.12 | 20.10 | | | | | | |
| 5 | 256QAM | 1 | 0 | 17.72 | 17.94 | 17.83 | | | | | | |
| 5 | 256QAM | 1 | 12 | 17.81 | 18.04 | 17.95 | | | 19.5 | | | |
| 5 | 256QAM | 1 | 24 | 17.69 | 17.93 | 17.84 | | | | | | |
| 5 | 256QAM | 12 | 0 | 17.99 | 18.14 | 18.01 | | | | | | |
| 5 | 256QAM | 12 | 7 | 17.80 | 18.08 | 18.07 | | | 19.5 | | | |
| 5 | 256QAM | 12 | 13 | 17.80 | 18.07 | 18.05 | | | | | | |
| 5 | 256QAM | 25 | 0 | 17.85 | 18.07 | 18.00 | | | | | | |
| | | | | 19965 | 20175 | 20385 | | | | | | |
| | | | | 1711.5 | 1723.5 | 1753.5 | | | | | | |
| 3 | QPSK | 1 | 0 | 23.01 | 23.15 | 23.15 | | | | | | |
| 3 | QPSK | 1 | 8 | 22.82 | 23.03 | 23.06 | | | 24.5 | | | |
| 3 | QPSK | 1 | 14 | 22.90 | 23.10 | 23.07 | | | | | | |
| 3 | QPSK | 8 | 0 | 21.93 | 22.14 | 22.02 | | | | | | |
| 3 | QPSK | 8 | 4 | 21.90 | 22.12 | 22.02 | | | 23.5 | | | |
| 3 | QPSK | 8 | 7 | 21.92 | 22.21 | 22.12 | | | | | | |
| 3 | 16QAM | 1 | 0 | 21.92 | 22.09 | 22.01 | | | | | | |
| 3 | 16QAM | 1 | 8 | 21.90 | 22.08 | 22.05 | | | | | | |
| 3 | 16QAM | 1 | 14 | 21.99 | 22.13 | 22.10 | | | 23.5 | | | |
| 3 | 16QAM | 8 | 0 | 20.98 | 21.16 | 21.09 | | | | | | |
| 3 | 16QAM | 8 | 4 | 20.98 | 21.17 | 21.07 | | | 22.5 | | | |
| 3 | 16QAM | 8 | 7 | 20.99 | 21.14 | 21.00 | | | | | | |
| 3 | 84QAM | 1 | 0 | 20.85 | 21.09 | 21.02 | | | | | | |
| 3 | 84QAM | 1 | 8 | 20.82 | 21.01 | 20.96 | | | 22.5 | | | |
| 3 | 84QAM | 1 | 14 | 20.94 | 21.09 | 21.07 | | | | | | |
| 3 | 84QAM | 8 | 0 | 19.94 | 20.09 | 20.04 | | | | | | |
| 3 | 84QAM | 8 | 4 | 20.00 | 20.15 | 20.12 | | | | | | |



| Band 12 Other PA Ant0 | | | | | | | | | |
|-----------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|
| BW (MHz) | Modulation | RE Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Time-up limit (dB) | MPE (dB) | |
| Channel | | | | | | | | | |
| | | | | 704 | 707.5 | 711 | | | |
| 10 | QPSK | 1 | 0 | 24.50 | 24.50 | 24.44 | | | |
| 10 | QPSK | 1 | 25 | 24.37 | 24.44 | 24.45 | 23.5 | 0 | |
| 10 | QPSK | 1 | 49 | 24.40 | 24.50 | 24.45 | | | |
| 10 | QPSK | 25 | 0 | 23.70 | 23.74 | 23.63 | | | |
| 10 | QPSK | 25 | 12 | 23.63 | 23.67 | 23.61 | 24.5 | 1 | |
| 10 | QPSK | 25 | 25 | 23.49 | 23.64 | 23.58 | | | |
| 10 | QPSK | 50 | 0 | 23.55 | 23.59 | 23.55 | | | |
| 10 | 16QAM | 1 | 0 | 23.47 | 23.52 | 23.56 | | | |
| 10 | 16QAM | 1 | 25 | 23.59 | 23.58 | 23.62 | 24.5 | 1 | |
| 10 | 16QAM | 1 | 49 | 23.54 | 23.57 | 23.48 | | | |
| 10 | 16QAM | 25 | 0 | 22.55 | 22.65 | 22.62 | | | |
| 10 | 16QAM | 25 | 12 | 22.81 | 22.56 | 22.52 | 23.5 | 2 | |
| 10 | 16QAM | 25 | 25 | 22.44 | 22.51 | 22.44 | | | |
| 10 | 16QAM | 50 | 0 | 22.84 | 22.91 | 22.86 | | | |
| 10 | 64QAM | 1 | 0 | 22.54 | 22.56 | 22.54 | | | |
| 10 | 64QAM | 1 | 25 | 22.60 | 22.68 | 22.54 | 23.5 | 2 | |
| 10 | 64QAM | 1 | 49 | 22.70 | 22.75 | 22.61 | | | |
| 10 | 64QAM | 25 | 0 | 21.48 | 21.59 | 21.55 | | | |
| 10 | 64QAM | 25 | 12 | 21.61 | 21.86 | 21.84 | 22.5 | 3 | |
| 10 | 64QAM | 25 | 25 | 21.60 | 21.75 | 21.65 | | | |
| 10 | 64QAM | 50 | 0 | 21.90 | 22.04 | 21.92 | | | |
| 10 | 256QAM | 1 | 0 | 20.00 | 20.17 | 19.99 | | | |
| 10 | 256QAM | 1 | 25 | 19.81 | 19.92 | 19.88 | 20.5 | 5 | |
| 10 | 256QAM | 1 | 49 | 20.05 | 20.17 | 20.05 | | | |
| 10 | 256QAM | 25 | 0 | 19.47 | 19.56 | 19.52 | | | |
| 10 | 256QAM | 25 | 12 | 19.80 | 19.84 | 19.75 | 20.5 | 5 | |
| 10 | 256QAM | 25 | 25 | 19.60 | 19.72 | 19.67 | | | |
| 10 | 256QAM | 50 | 0 | 19.65 | 19.89 | 19.85 | | | |
| Channel | | | | | | | | | |
| | | | | 701.5 | 707.5 | 713.5 | | | |
| 5 | QPSK | 1 | 0 | 24.42 | 24.46 | 24.36 | | | |
| 5 | QPSK | 1 | 12 | 24.24 | 24.34 | 24.33 | 23.5 | 0 | |
| 5 | QPSK | 1 | 24 | 24.27 | 24.38 | 24.37 | | | |
| 5 | QPSK | 12 | 0 | 23.57 | 23.68 | 23.55 | | | |
| 5 | QPSK | 12 | 7 | 23.61 | 23.63 | 23.54 | 24.5 | 1 | |
| 5 | QPSK | 12 | 13 | 23.39 | 23.55 | 23.50 | | | |
| 5 | 16QAM | 1 | 0 | 23.44 | 23.58 | 23.49 | | | |
| 5 | 16QAM | 1 | 0 | 23.38 | 23.53 | 23.49 | | | |
| 5 | 16QAM | 1 | 12 | 23.47 | 23.61 | 23.58 | 24.5 | 1 | |
| 5 | 16QAM | 1 | 24 | 23.39 | 23.51 | 23.38 | | | |
| 5 | 16QAM | 12 | 0 | 22.48 | 22.54 | 22.55 | | | |
| 5 | 16QAM | 12 | 7 | 22.49 | 22.51 | 22.48 | 23.5 | 2 | |
| 5 | 16QAM | 12 | 13 | 22.31 | 22.48 | 22.41 | | | |
| 5 | 16QAM | 25 | 0 | 22.74 | 22.85 | 22.73 | | | |
| 5 | 64QAM | 1 | 0 | 22.45 | 22.62 | 22.41 | | | |
| 5 | 64QAM | 1 | 12 | 22.50 | 22.55 | 22.48 | 23.5 | 2 | |
| 5 | 64QAM | 1 | 24 | 22.50 | 22.63 | 22.54 | | | |
| 5 | 64QAM | 12 | 0 | 21.42 | 21.55 | 21.41 | | | |
| 5 | 64QAM | 12 | 7 | 21.71 | 21.80 | 21.73 | 22.5 | 3 | |
| 5 | 64QAM | 12 | 13 | 21.53 | 21.65 | 21.51 | | | |
| 5 | 64QAM | 25 | 0 | 21.85 | 21.97 | 21.77 | | | |
| 5 | 256QAM | 1 | 0 | 19.88 | 19.99 | 19.89 | | | |
| 5 | 256QAM | 1 | 12 | 19.70 | 19.81 | 19.75 | 20.5 | 5 | |
| 5 | 256QAM | 1 | 24 | 19.97 | 20.14 | 19.91 | | | |
| 5 | 256QAM | 12 | 0 | 19.41 | 19.62 | 19.38 | | | |
| 5 | 256QAM | 12 | 7 | 19.50 | 19.74 | 19.52 | 20.5 | 5 | |
| 5 | 256QAM | 12 | 13 | 19.45 | 19.59 | 19.51 | | | |
| 5 | 256QAM | 25 | 0 | 19.71 | 19.82 | 19.73 | | | |
| Channel | | | | | | | | | |
| | | | | 701.5 | 707.5 | 714.5 | | | |
| 3 | QPSK | 1 | 0 | 24.40 | 24.52 | 24.41 | | | |
| 3 | QPSK | 1 | 8 | 24.34 | 24.34 | 24.34 | 23.5 | 0 | |
| 3 | QPSK | 1 | 14 | 24.36 | 24.40 | 24.38 | | | |
| 3 | QPSK | 8 | 0 | 23.68 | 23.65 | 23.49 | | | |
| 3 | QPSK | 8 | 4 | 23.55 | 23.59 | 23.58 | 24.5 | 1 | |
| 3 | QPSK | 8 | 7 | 23.39 | 23.52 | 23.53 | | | |
| 3 | 16QAM | 1 | 0 | 23.60 | 23.62 | 23.48 | | | |
| 3 | 16QAM | 1 | 8 | 23.47 | 23.53 | 23.55 | 24.5 | 1 | |
| 3 | 16QAM | 1 | 14 | 23.48 | 23.53 | 23.59 | | | |
| 3 | 16QAM | 8 | 0 | 22.45 | 22.58 | 22.59 | | | |
| 3 | 16QAM | 8 | 4 | 22.47 | 22.59 | 22.48 | 23.5 | 2 | |
| 3 | 16QAM | 8 | 7 | 22.70 | 22.40 | 22.48 | | | |
| 3 | 16QAM | 15 | 0 | 22.77 | 22.77 | 22.70 | | | |
| 3 | 64QAM | 1 | 0 | 22.44 | 22.57 | 22.41 | | | |
| 3 | 64QAM | 1 | 8 | 22.56 | 22.58 | 22.38 | 23.5 | 2 | |
| 3 | 64QAM | 1 | 14 | 22.59 | 22.73 | 22.52 | | | |
| 3 | 64QAM | 8 | 0 | 21.44 | 21.55 | 21.43 | | | |
| 3 | 64QAM | 8 | 4 | 21.77 | 21.83 | 21.75 | 22.5 | 3 | |
| 3 | 64QAM | 8 | 7 | 21.49 | 21.61 | 21.52 | | | |
| 3 | 256QAM | 1 | 0 | 21.79 | 22.00 | 21.83 | | | |
| 3 | 256QAM | 1 | 0 | 19.88 | 20.01 | 19.89 | | | |
| 3 | 256QAM | 1 | 8 | 19.67 | 19.80 | 19.77 | 20.5 | 5 | |
| 3 | 256QAM | 1 | 14 | 19.98 | 20.04 | 19.92 | | | |
| 3 | 256QAM | 8 | 0 | 19.63 | 19.50 | 19.63 | | | |
| 3 | 256QAM | 8 | 4 | 19.72 | 19.70 | 19.59 | 20.5 | 5 | |
| 3 | 256QAM | 8 | 7 | 19.48 | 19.59 | 19.53 | | | |
| 3 | 256QAM | 15 | 0 | 19.81 | 19.81 | 19.81 | | | |
| Channel | | | | | | | | | |
| | | | | 2317 | 2319.5 | 2319.5 | | | |
| 1.4 | QPSK | 1 | 0 | 24.41 | 24.49 | 24.33 | | | |
| 1.4 | QPSK | 1 | 3 | 24.34 | 24.38 | 24.25 | 23.5 | 0 | |
| 1.4 | QPSK | 1 | 5 | 24.35 | 24.41 | 24.38 | | | |
| 1.4 | QPSK | 3 | 0 | 24.40 | 24.44 | 24.26 | | | |
| 1.4 | QPSK | 3 | 1 | 24.20 | 24.35 | 24.30 | 24.5 | 1 | |
| 1.4 | QPSK | 3 | 3 | 24.30 | 24.41 | 24.32 | | | |
| 1.4 | 16QAM | 1 | 0 | 23.51 | 23.54 | 23.53 | | | |
| 1.4 | 16QAM | 1 | 3 | 23.39 | 23.52 | 23.52 | 24.5 | 1 | |
| 1.4 | 16QAM | 1 | 5 | 23.46 | 23.59 | 23.47 | | | |
| 1.4 | 16QAM | 3 | 0 | 23.42 | 23.48 | 23.47 | | | |
| 1.4 | 16QAM | 3 | 1 | 23.50 | 23.59 | 23.56 | | | |
| 1.4 | 16QAM | 3 | 3 | 23.44 | 23.48 | 23.35 | | | |
| 1.4 | 16QAM | 6 | 0 | 22.81 | 22.81 | 22.47 | 23.8 | 2 | |
| 1.4 | 16QAM | 1 | 0 | 22.49 | 22.54 | 22.41 | | | |
| 1.4 | 16QAM | 1 | 3 | 22.49 | 22.43 | 22.38 | | | |
| 1.4 | 16QAM | 1 | 5 | 22.45 | 22.50 | 22.42 | 23.5 | 2 | |
| 1.4 | 16QAM | 3 | 0 | 22.47 | 22.59 | 22.47 | | | |
| 1.4 | 16QAM | 3 | 1 | 22.50 | 22.60 | 22.47 | | | |
| 1.4 | 16QAM | 3 | 3 | 22.59 | 22.62 | 22.55 | | | |
| 1.4 | 256QAM | 1 | 0 | 21.56 | 21.62 | 21.59 | 22.5 | 3 | |
| 1.4 | 256QAM | 1 | 0 | 19.89 | 19.89 | 19.85 | | | |
| 1.4 | 256QAM | 1 | 3 | 19.69 | 19.89 | 19.74 | | | |
| 1.4 | 256QAM | 1 | 5 | 19.81 | 20.03 | 19.86 | 20.5 | 5 | |
| 1.4 | 256QAM | 3 | 0 | 19.39 | 19.46 | 19.46 | | | |
| 1.4 | 256QAM | 3 | 1 | 19.70 | 19.73 | 19.57 | | | |
| 1.4 | 256QAM | 3 | 3 | 19.56 | 19.68 | 19.56 | | | |
| 1.4 | 256QAM | 5 | 0 | 19.79 | 19.76 | 19.70 | 20.5 | 5 | |



| Band 17 Other PA Ant0 | | | | | | | | | | |
|-----------------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|--------------------|----------|-----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power High Ch. / Freq. | Power Mid Ch. / Freq. | Turn-up limit (dB) | MFR (dB) | | |
| Channel | | | | 709 | 710 | 711 | | | | |
| 10 | QPSK | 1 | 0 | 24.43 | 24.51 | 24.46 | | | | |
| 10 | QPSK | 1 | 25 | 24.31 | 24.40 | 24.36 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 49 | 24.38 | 24.47 | 24.33 | | | | |
| 10 | QPSK | 25 | 0 | 23.64 | 23.66 | 23.67 | | | | |
| 10 | QPSK | 25 | 12 | 23.62 | 23.69 | 23.66 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 25 | 23.34 | 23.46 | 23.34 | | | | |
| 10 | QPSK | 50 | 0 | 23.48 | 23.50 | 23.49 | | | | |
| 10 | 16QAM | 1 | 0 | 23.46 | 23.50 | 23.47 | | | | |
| 10 | 16QAM | 1 | 25 | 23.29 | 23.42 | 23.32 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 49 | 23.21 | 23.34 | 23.26 | | | | |
| 10 | 16QAM | 25 | 0 | 22.98 | 22.73 | 22.82 | | | | |
| 10 | 16QAM | 25 | 12 | 22.89 | 22.72 | 22.58 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 25 | 22.69 | 22.73 | 22.62 | | | | |
| 10 | 16QAM | 50 | 0 | 22.67 | 22.79 | 22.73 | | | | |
| 10 | 64QAM | 1 | 0 | 22.43 | 22.50 | 22.41 | | | | |
| 10 | 64QAM | 1 | 25 | 22.50 | 22.54 | 22.48 | 23.5 | 2 | | |
| 10 | 64QAM | 1 | 49 | 22.36 | 22.35 | 22.31 | | | | |
| 10 | 64QAM | 25 | 0 | 21.59 | 21.66 | 21.59 | | | | |
| 10 | 64QAM | 25 | 12 | 21.68 | 21.77 | 21.66 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 21.50 | 21.56 | 21.49 | | | | |
| 10 | 64QAM | 50 | 0 | 21.59 | 21.66 | 21.62 | | | | |
| 10 | 256QAM | 1 | 0 | 19.82 | 19.90 | 19.81 | | | | |
| 10 | 256QAM | 1 | 25 | 19.83 | 19.85 | 19.78 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 49 | 19.59 | 19.70 | 19.66 | | | | |
| 10 | 256QAM | 25 | 0 | 19.47 | 19.58 | 19.45 | | | | |
| 10 | 256QAM | 25 | 12 | 19.52 | 19.60 | 19.56 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 25 | 19.50 | 19.54 | 19.43 | | | | |
| 10 | 256QAM | 50 | 0 | 19.50 | 19.67 | 19.58 | | | | |
| Channel | | | | 23705 | 23706 | 23705 | | | | |
| Frequency (MHz) | | | | 709.5 | 710 | 711.5 | Turn-up limit (dB) | MFR (dB) | APPR (dB) | |
| 5 | QPSK | 1 | 0 | 24.39 | 24.45 | 24.43 | | | | |
| 5 | QPSK | 1 | 12 | 24.24 | 24.30 | 24.25 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 24 | 24.35 | 24.35 | 24.22 | | | | |
| 5 | QPSK | 12 | 0 | 23.59 | 23.81 | 23.49 | | | | |
| 5 | QPSK | 12 | 7 | 23.40 | 23.47 | 23.39 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 13 | 23.28 | 23.42 | 23.25 | | | | |
| 5 | QPSK | 25 | 0 | 23.44 | 23.55 | 23.39 | | | | |
| 5 | 16QAM | 1 | 0 | 23.32 | 23.45 | 23.31 | | | | |
| 5 | 16QAM | 1 | 12 | 23.20 | 23.32 | 23.26 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 24 | 23.07 | 23.29 | 23.22 | | | | |
| 5 | 16QAM | 12 | 0 | 22.94 | 22.61 | 22.51 | | | | |
| 5 | 16QAM | 12 | 7 | 22.66 | 22.59 | 22.54 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 13 | 22.58 | 22.59 | 22.51 | | | | |
| 5 | 16QAM | 25 | 0 | 22.97 | 22.67 | 22.63 | | | | |
| 5 | 64QAM | 1 | 0 | 22.38 | 22.37 | 22.37 | | | | |
| 5 | 64QAM | 1 | 12 | 22.41 | 22.46 | 22.37 | 23.5 | 2 | | |
| 5 | 64QAM | 1 | 24 | 22.22 | 22.27 | 22.15 | | | | |
| 5 | 64QAM | 12 | 0 | 21.44 | 21.58 | 21.53 | | | | |
| 5 | 64QAM | 12 | 7 | 21.50 | 21.70 | 21.54 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 21.37 | 21.51 | 21.35 | | | | |
| 5 | 64QAM | 25 | 0 | 21.44 | 21.57 | 21.49 | | | | |
| 5 | 256QAM | 1 | 0 | 19.76 | 19.79 | 19.69 | | | | |
| 5 | 256QAM | 1 | 12 | 19.72 | 19.75 | 19.66 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 24 | 19.48 | 19.59 | 19.53 | | | | |
| 5 | 256QAM | 12 | 0 | 19.37 | 19.48 | 19.33 | | | | |
| 5 | 256QAM | 12 | 7 | 19.39 | 19.47 | 19.43 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 13 | 19.44 | 19.48 | 19.33 | | | | |
| 5 | 256QAM | 25 | 0 | 19.36 | 19.63 | 19.52 | | | | |



| Band 12 Other PA Ant1 | | | | | | | | | | |
|-----------------------|------------|---------|-----------|----------------------|----------------------|-----------------------|--------------------|----------|--|--|
| BW (MHz) | Modulation | RE Size | RB Offset | Power Low Ch / Freq. | Power Mid Ch / Freq. | Power High Ch / Freq. | Time-up limit (dB) | MPE (dB) | | |
| Channel | | | | | | | | | | |
| | | | | 704 | 707.5 | 711 | | | | |
| 10 | QPSK | 1 | 0 | 23.69 | 23.74 | 23.67 | 25.5 | 0 | | |
| 10 | QPSK | 1 | 25 | 23.69 | 23.66 | 23.67 | | | | |
| 10 | QPSK | 1 | 49 | 23.67 | 23.61 | 23.62 | | | | |
| 10 | QPSK | 25 | 0 | 22.66 | 22.76 | 22.67 | 24.5 | 1 | | |
| 10 | QPSK | 25 | 12 | 22.66 | 22.70 | 22.69 | | | | |
| 10 | QPSK | 25 | 25 | 22.65 | 22.65 | 22.60 | | | | |
| 10 | QPSK | 50 | 0 | 22.59 | 22.72 | 22.67 | 24.5 | 1 | | |
| 10 | 16QAM | 1 | 0 | 22.58 | 22.67 | 22.56 | | | | |
| 10 | 16QAM | 1 | 25 | 22.53 | 22.61 | 22.58 | | | | |
| 10 | 16QAM | 1 | 49 | 22.54 | 22.57 | 22.51 | 23.5 | 2 | | |
| 10 | 16QAM | 25 | 0 | 21.73 | 21.81 | 21.71 | | | | |
| 10 | 16QAM | 25 | 12 | 21.70 | 21.73 | 21.65 | | | | |
| 10 | 16QAM | 25 | 25 | 21.63 | 21.77 | 21.66 | 22.5 | 3 | | |
| 10 | 16QAM | 50 | 0 | 21.68 | 21.71 | 21.67 | | | | |
| 10 | 64QAM | 1 | 0 | 21.65 | 21.79 | 21.71 | | | | |
| 10 | 64QAM | 1 | 25 | 21.59 | 21.72 | 21.66 | 22.5 | 3 | | |
| 10 | 64QAM | 1 | 49 | 21.65 | 21.69 | 21.64 | | | | |
| 10 | 64QAM | 25 | 0 | 20.90 | 20.95 | 20.88 | | | | |
| 10 | 64QAM | 25 | 12 | 20.87 | 20.88 | 20.76 | 22.5 | 3 | | |
| 10 | 64QAM | 25 | 25 | 20.81 | 20.81 | 20.84 | | | | |
| 10 | 64QAM | 50 | 0 | 20.68 | 20.83 | 20.72 | | | | |
| 10 | 256QAM | 1 | 0 | 18.85 | 18.96 | 18.82 | 20.5 | 5 | | |
| 10 | 256QAM | 1 | 25 | 18.83 | 18.93 | 18.88 | | | | |
| 10 | 256QAM | 1 | 49 | 18.85 | 18.88 | 18.74 | | | | |
| 10 | 256QAM | 25 | 0 | 18.73 | 18.87 | 18.84 | 20.5 | 5 | | |
| 10 | 256QAM | 25 | 12 | 18.68 | 18.77 | 18.72 | | | | |
| 10 | 256QAM | 25 | 25 | 18.74 | 18.83 | 18.69 | | | | |
| 10 | 256QAM | 50 | 0 | 18.65 | 18.91 | 18.82 | | | | |
| Channel | | | | | | | | | | |
| | | | | 701.5 | 707.5 | 713.5 | | | | |
| 5 | QPSK | 1 | 0 | 23.62 | 23.67 | 23.68 | 25.5 | 0 | | |
| 5 | QPSK | 1 | 12 | 23.67 | 23.68 | 23.68 | | | | |
| 5 | QPSK | 1 | 24 | 23.67 | 23.56 | 23.62 | | | | |
| 5 | QPSK | 12 | 0 | 22.55 | 22.67 | 22.64 | 24.5 | 1 | | |
| 5 | QPSK | 12 | 7 | 22.51 | 22.64 | 22.60 | | | | |
| 5 | QPSK | 12 | 13 | 22.51 | 22.52 | 22.52 | | | | |
| 5 | QPSK | 25 | 0 | 22.55 | 22.67 | 22.61 | 24.5 | 1 | | |
| 5 | 16QAM | 1 | 0 | 22.57 | 22.58 | 22.48 | | | | |
| 5 | 16QAM | 1 | 12 | 22.51 | 22.55 | 22.59 | | | | |
| 5 | 16QAM | 1 | 24 | 22.59 | 22.54 | 22.59 | 23.5 | 2 | | |
| 5 | 16QAM | 12 | 0 | 21.85 | 21.74 | 21.83 | | | | |
| 5 | 16QAM | 12 | 7 | 21.81 | 21.83 | 21.59 | | | | |
| 5 | 16QAM | 12 | 13 | 21.63 | 21.66 | 21.59 | 23.5 | 2 | | |
| 5 | 16QAM | 25 | 0 | 21.53 | 21.98 | 21.51 | | | | |
| 5 | 64QAM | 1 | 0 | 21.54 | 21.71 | 21.58 | | | | |
| 5 | 64QAM | 1 | 12 | 21.55 | 21.64 | 21.64 | 22.5 | 3 | | |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.58 | | | | |
| 5 | 64QAM | 12 | 0 | 20.77 | 20.90 | 20.83 | | | | |
| 5 | 64QAM | 12 | 7 | 20.69 | 20.79 | 20.65 | 22.5 | 3 | | |
| 5 | 64QAM | 12 | 13 | 20.67 | 20.85 | 20.72 | | | | |
| 5 | 64QAM | 25 | 0 | 20.58 | 20.80 | 20.60 | | | | |
| 5 | 256QAM | 1 | 0 | 18.71 | 18.96 | 18.73 | 20.5 | 5 | | |
| 5 | 256QAM | 1 | 12 | 18.74 | 18.82 | 18.81 | | | | |
| 5 | 256QAM | 1 | 24 | 18.73 | 18.77 | 18.65 | | | | |
| 5 | 256QAM | 12 | 0 | 18.64 | 18.78 | 18.72 | 20.5 | 5 | | |
| 5 | 256QAM | 12 | 7 | 18.59 | 18.67 | 18.63 | | | | |
| 5 | 256QAM | 12 | 13 | 18.62 | 18.74 | 18.55 | | | | |
| 5 | 256QAM | 25 | 0 | 18.73 | 18.86 | 18.71 | | | | |
| Channel | | | | | | | | | | |
| | | | | 2305 | 2309 | 2316 | | | | |
| Channel | | | | | | | | | | |
| | | | | 701.5 | 707.5 | 714.5 | | | | |
| 3 | QPSK | 1 | 0 | 23.64 | 23.63 | 23.66 | 25.5 | 0 | | |
| 3 | QPSK | 1 | 8 | 23.57 | 23.56 | 23.58 | | | | |
| 3 | QPSK | 1 | 14 | 23.53 | 23.57 | 23.59 | | | | |
| 3 | QPSK | 8 | 0 | 22.52 | 22.66 | 22.52 | 24.5 | 1 | | |
| 3 | QPSK | 8 | 4 | 22.58 | 22.57 | 22.51 | | | | |
| 3 | QPSK | 8 | 7 | 22.56 | 22.54 | 22.58 | | | | |
| 3 | QPSK | 15 | 0 | 22.60 | 22.58 | 22.61 | 24.5 | 1 | | |
| 3 | 16QAM | 1 | 0 | 22.59 | 22.54 | 22.59 | | | | |
| 3 | 16QAM | 1 | 8 | 22.58 | 22.51 | 22.80 | | | | |
| 3 | 16QAM | 1 | 14 | 22.63 | 22.58 | 22.61 | 23.5 | 2 | | |
| 3 | 16QAM | 8 | 0 | 21.59 | 21.75 | 21.65 | | | | |
| 3 | 16QAM | 8 | 4 | 21.58 | 21.87 | 21.81 | | | | |
| 3 | 16QAM | 8 | 7 | 21.56 | 21.72 | 21.65 | 22.5 | 3 | | |
| 3 | 16QAM | 15 | 0 | 21.55 | 21.63 | 21.54 | | | | |
| 3 | 64QAM | 1 | 0 | 21.60 | 21.72 | 21.63 | | | | |
| 3 | 64QAM | 1 | 8 | 21.56 | 21.64 | 21.60 | 22.5 | 3 | | |
| 3 | 64QAM | 1 | 14 | 21.59 | 21.64 | 21.57 | | | | |
| 3 | 64QAM | 8 | 0 | 20.79 | 20.86 | 20.79 | | | | |
| 3 | 64QAM | 8 | 4 | 20.77 | 20.71 | 20.72 | 22.5 | 3 | | |
| 3 | 64QAM | 8 | 7 | 20.74 | 20.79 | 20.71 | | | | |
| 3 | 64QAM | 15 | 0 | 20.63 | 20.75 | 20.61 | | | | |
| 3 | 256QAM | 1 | 0 | 18.74 | 18.88 | 18.79 | 20.5 | 5 | | |
| 3 | 256QAM | 1 | 8 | 18.76 | 18.78 | 18.79 | | | | |
| 3 | 256QAM | 1 | 14 | 18.79 | 18.84 | 18.61 | | | | |
| 3 | 256QAM | 8 | 0 | 18.70 | 18.82 | 18.72 | 20.5 | 5 | | |
| 3 | 256QAM | 8 | 4 | 18.68 | 18.71 | 18.61 | | | | |
| 3 | 256QAM | 8 | 7 | 18.62 | 18.79 | 18.63 | | | | |
| 3 | 256QAM | 15 | 0 | 18.73 | 18.87 | 18.72 | | | | |
| Channel | | | | | | | | | | |
| | | | | 2301.7 | 2309 | 2317.3 | | | | |
| 1.4 | QPSK | 1 | 0 | 23.64 | 23.55 | 23.58 | 25.5 | 0 | | |
| 1.4 | QPSK | 1 | 3 | 23.52 | 23.51 | 23.55 | | | | |
| 1.4 | QPSK | 1 | 5 | 23.58 | 23.70 | 23.65 | | | | |
| 1.4 | QPSK | 3 | 0 | 23.55 | 23.63 | 23.59 | 24.5 | 1 | | |
| 1.4 | QPSK | 3 | 1 | 23.56 | 23.58 | 23.59 | | | | |
| 1.4 | QPSK | 3 | 3 | 23.52 | 23.52 | 23.54 | | | | |
| 1.4 | QPSK | 6 | 0 | 22.68 | 22.72 | 22.61 | 24.5 | 1 | | |
| 1.4 | 16QAM | 1 | 0 | 22.62 | 22.68 | 22.59 | | | | |
| 1.4 | 16QAM | 1 | 3 | 22.64 | 22.51 | 22.57 | | | | |
| 1.4 | 16QAM | 1 | 5 | 22.64 | 22.60 | 22.53 | 24.5 | 1 | | |
| 1.4 | 16QAM | 3 | 0 | 22.84 | 22.57 | 22.61 | | | | |
| 1.4 | 16QAM | 3 | 1 | 22.51 | 22.57 | 22.60 | | | | |
| 1.4 | 16QAM | 3 | 3 | 22.68 | 22.52 | 22.60 | 23.5 | 2 | | |
| 1.4 | 16QAM | 6 | 0 | 21.66 | 21.75 | 21.68 | | | | |
| 1.4 | 64QAM | 1 | 0 | 21.59 | 21.59 | 21.52 | | | | |
| 1.4 | 64QAM | 1 | 3 | 21.59 | 21.67 | 21.52 | 23.5 | 2 | | |
| 1.4 | 64QAM | 1 | 5 | 21.64 | 21.58 | 21.52 | | | | |
| 1.4 | 64QAM | 3 | 0 | 21.55 | 21.71 | 21.60 | | | | |
| 1.4 | 64QAM | 3 | 1 | 21.59 | 21.68 | 21.63 | 22.5 | 3 | | |
| 1.4 | 64QAM | 3 | 3 | 21.53 | 21.58 | 21.53 | | | | |
| 1.4 | 64QAM | 6 | 0 | 20.74 | 20.82 | 20.66 | | | | |
| 1.4 | 256QAM | 1 | 0 | 18.75 | 18.87 | 18.87 | 20.5 | 5 | | |
| 1.4 | 256QAM | 1 | 3 | 18.77 | 18.87 | 18.79 | | | | |
| 1.4 | 256QAM | 1 | 5 | 18.79 | 18.74 | 18.61 | | | | |
| 1.4 | 256QAM | 3 | 0 | 18.70 | 18.73 | 18.74 | 20.5 | 5 | | |
| 1.4 | 256QAM | 3 | 1 | 18.65 | 18.67 | 18.60 | | | | |
| 1.4 | 256QAM | 3 | 3 | 18.66 | 18.76 | 18.66 | | | | |
| 1.4 | 256QAM | 5 | 0 | 18.79 | 18.78 | 18.76 | | | | |



Band 17 Other PA Ant1

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. [Freq.] | Power High Ch. [Freq.] | Power Mid Ch. [Freq.] | Turn-up limit [dB] | MFR [dB] |
|-----------------|------------|---------|-----------|-----------------------|------------------------|-----------------------|--------------------|-----------|
| Channel | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 23.07 | 23.70 | 23.69 | 25.5 | 0 |
| 10 | QPSK | 1 | 25 | 23.54 | 23.69 | 23.51 | | |
| 10 | QPSK | 1 | 49 | 23.05 | 23.69 | 23.81 | | |
| 10 | QPSK | 25 | 0 | 22.60 | 22.60 | 22.58 | 24.5 | 1 |
| 10 | QPSK | 25 | 12 | 22.53 | 22.59 | 22.85 | | |
| 10 | QPSK | 25 | 25 | 22.83 | 22.58 | 22.58 | | |
| 10 | QPSK | 50 | 0 | 22.07 | 22.61 | 22.54 | | |
| 10 | 16QAM | 1 | 0 | 22.90 | 22.96 | 22.59 | 24.5 | 1 |
| 10 | 16QAM | 1 | 25 | 22.87 | 22.53 | 22.81 | | |
| 10 | 16QAM | 1 | 49 | 22.63 | 22.59 | 22.62 | | |
| 10 | 16QAM | 25 | 0 | 21.81 | 21.71 | 21.68 | 23.5 | 2 |
| 10 | 16QAM | 25 | 12 | 21.81 | 21.58 | 21.58 | | |
| 10 | 16QAM | 25 | 25 | 21.81 | 21.72 | 21.62 | | |
| 10 | 16QAM | 50 | 0 | 21.87 | 21.69 | 21.68 | | |
| 10 | 64QAM | 1 | 0 | 21.50 | 21.74 | 21.63 | 23.5 | 2 |
| 10 | 64QAM | 1 | 25 | 21.58 | 21.59 | 21.63 | | |
| 10 | 64QAM | 1 | 49 | 21.54 | 21.66 | 21.60 | | |
| 10 | 64QAM | 25 | 0 | 20.86 | 20.87 | 20.85 | 22.5 | 3 |
| 10 | 64QAM | 25 | 12 | 20.71 | 20.81 | 20.86 | | |
| 10 | 64QAM | 25 | 25 | 20.71 | 20.78 | 20.78 | | |
| 10 | 64QAM | 50 | 0 | 20.53 | 20.73 | 20.63 | | |
| 10 | 256QAM | 1 | 0 | 18.72 | 18.80 | 18.81 | 20.5 | 5 |
| 10 | 256QAM | 1 | 25 | 18.73 | 18.78 | 18.74 | | |
| 10 | 256QAM | 1 | 49 | 18.78 | 18.84 | 18.83 | | |
| 10 | 256QAM | 25 | 0 | 18.60 | 18.76 | 18.73 | 20.5 | 5 |
| 10 | 256QAM | 25 | 12 | 18.67 | 18.67 | 18.63 | | |
| 10 | 256QAM | 25 | 25 | 18.66 | 18.72 | 18.55 | | |
| 10 | 256QAM | 50 | 0 | 18.72 | 18.87 | 18.71 | | |
| Channel | | | | 21765 | 21769 | 21865 | | |
| Frequency [MHz] | | | | 709.5 | 710 | 711.5 | Turn-up limit [dB] | APPR [dB] |
| 5 | QPSK | 1 | 0 | 23.51 | 23.65 | 23.54 | 25.5 | 0 |
| 5 | QPSK | 1 | 12 | 23.50 | 23.56 | 23.57 | | |
| 5 | QPSK | 1 | 24 | 23.54 | 23.64 | 23.56 | | |
| 5 | QPSK | 12 | 0 | 22.72 | 22.83 | 22.67 | 24.5 | 1 |
| 5 | QPSK | 12 | 7 | 22.92 | 22.74 | 22.69 | | |
| 5 | QPSK | 12 | 13 | 22.58 | 22.72 | 22.59 | | |
| 5 | QPSK | 25 | 0 | 22.68 | 22.72 | 22.64 | | |
| 5 | 16QAM | 1 | 0 | 22.67 | 22.66 | 22.59 | 24.5 | 1 |
| 5 | 16QAM | 1 | 12 | 22.55 | 22.86 | 22.57 | | |
| 5 | 16QAM | 1 | 24 | 22.51 | 22.59 | 22.58 | | |
| 5 | 16QAM | 12 | 0 | 21.75 | 21.84 | 21.73 | 23.5 | 2 |
| 5 | 16QAM | 12 | 7 | 21.72 | 21.67 | 21.81 | | |
| 5 | 16QAM | 12 | 13 | 21.61 | 21.69 | 21.68 | | |
| 5 | 16QAM | 25 | 0 | 21.58 | 21.69 | 21.56 | | |
| 5 | 64QAM | 1 | 0 | 21.59 | 21.72 | 21.67 | 23.5 | 2 |
| 5 | 64QAM | 1 | 12 | 21.54 | 21.62 | 21.60 | | |
| 5 | 64QAM | 1 | 24 | 21.51 | 21.61 | 21.62 | | |
| 5 | 64QAM | 12 | 0 | 20.92 | 20.90 | 20.85 | 22.5 | 3 |
| 5 | 64QAM | 12 | 7 | 20.83 | 20.76 | 20.85 | | |
| 5 | 64QAM | 12 | 13 | 20.73 | 20.75 | 20.74 | | |
| 5 | 64QAM | 25 | 0 | 20.65 | 20.69 | 20.59 | | |
| 5 | 256QAM | 1 | 0 | 18.72 | 18.86 | 18.83 | 20.5 | 5 |
| 5 | 256QAM | 1 | 12 | 18.72 | 18.85 | 18.77 | | |
| 5 | 256QAM | 1 | 24 | 18.79 | 18.81 | 18.69 | | |
| 5 | 256QAM | 12 | 0 | 18.75 | 18.72 | 18.69 | 20.5 | 5 |
| 5 | 256QAM | 12 | 7 | 18.60 | 18.70 | 18.61 | | |
| 5 | 256QAM | 12 | 13 | 18.66 | 18.73 | 18.67 | | |
| 5 | 256QAM | 25 | 0 | 18.68 | 18.93 | 18.69 | | |



DL CA Power

2CA DL

| CA List | PCC | | | | | | | | | | SCC | | | | Power | |
|------------|---------|------|-------|-------------|---------|------|-----|-----------|--------------------------|---------|--------|-------------|---------|--------------------------|-----------------|-----------------|
| | LTE | BW | BW | UL | UL | Mod. | UL# | UL | DL Antenna Configuration | LTE | BW | DL | DL | DL Antenna Configuration | With CA | Without CA |
| | Band | Ant | (MHz) | Freq. (MHz) | Channel | | RB | RB Offset | | Band | (MHz) | Freq. (MHz) | Channel | | Tx. Power (dBm) | Tx. Power (dBm) |
| CA_2A-2A | Band 2 | Ant2 | 20M | 1880 | 18900 | QPSK | 1 | 0 | | Band 2 | 5M | 1987.5 | 1175 | | 23.54 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 18900 | QPSK | 1 | 0 | | Band 2 | 5M | 1987.5 | 1175 | | 23.35 | 23.43 |
| CA_2A-26A | Band 2 | Ant2 | 20M | 1880 | 18900 | QPSK | 1 | 0 | | Band 26 | 15M | 876.5 | 8865 | | 23.52 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 18900 | QPSK | 1 | 0 | | Band 26 | 15M | 876.5 | 8865 | | 23.35 | 23.43 |
| | Band 26 | Ant0 | 15M | 831.5 | 26865 | QPSK | 1 | 0 | | Band 2 | 20M | 1960 | 900 | | 24.46 | 24.53 |
| | Band 26 | Ant1 | 15M | 831.5 | 26865 | QPSK | 1 | 0 | | Band 2 | 20M | 1960 | 900 | | 23.68 | 23.74 |
| CA_2A-38A | Band 2 | Ant2 | 20M | 1880 | 18900 | QPSK | 1 | 0 | | Band 38 | 20M | 2595 | 38000 | 4x4MIMO | 23.54 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 18900 | QPSK | 1 | 0 | | Band 38 | 20M | 2595 | 38000 | 4x4MIMO | 23.39 | 23.43 |
| | Band 38 | Ant1 | 20M | 2595 | 38000 | QPSK | 1 | 0 | 4x4MIMO | Band 2 | 20M | 1960 | 900 | | 23.81 | 23.84 |
| | Band 38 | Ant2 | 20M | 2595 | 38000 | QPSK | 1 | 0 | 4x4MIMO | Band 2 | 20M | 1960 | 900 | | 25.32 | 25.42 |
| CA_2C | Band 38 | Ant3 | 20M | 2595 | 38000 | QPSK | 1 | 0 | 4x4MIMO | Band 2 | 20M | 1960 | 900 | | 23.13 | 23.19 |
| | Band 38 | Ant4 | 20M | 2595 | 38000 | QPSK | 1 | 0 | 4x4MIMO | Band 2 | 20M | 1960 | 900 | | 25.21 | 25.35 |
| | Band 2 | Ant2 | 20M | 1880 | 18900 | QPSK | 1 | 0 | | Band 2 | 20M | 1979.8 | 1098 | | 23.57 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 18900 | QPSK | 1 | 0 | | Band 2 | 20M | 1979.8 | 1098 | | 23.35 | 23.43 |
| CA_4A-4A | Band 4 | Ant1 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4x4MIMO | Band 4 | 5M | 2152.5 | 2375 | 4x4MIMO | 22.96 | 23.01 |
| | Band 4 | Ant2 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4x4MIMO | Band 4 | 5M | 2152.5 | 2375 | 4x4MIMO | 24.62 | 24.67 |
| | Band 4 | Ant3 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4x4MIMO | Band 4 | 5M | 2152.5 | 2375 | 4x4MIMO | 22.31 | 22.39 |
| | Band 4 | Ant4 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4x4MIMO | Band 4 | 5M | 2152.5 | 2375 | 4x4MIMO | 24.34 | 24.44 |
| CA_7A-26A | Band 7 | Ant1 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4x4MIMO | Band 26 | 15M | 876.5 | 8865 | | 23.35 | 23.45 |
| | Band 7 | Ant2 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4x4MIMO | Band 26 | 15M | 876.5 | 8865 | | 24.73 | 24.80 |
| | Band 7 | Ant3 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4x4MIMO | Band 26 | 15M | 876.5 | 8865 | | 22.62 | 22.70 |
| | Band 7 | Ant4 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4x4MIMO | Band 26 | 15M | 876.5 | 8865 | | 24.74 | 24.80 |
| CA_12A-66A | Band 26 | Ant0 | 15M | 831.5 | 26865 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4x4MIMO | 24.50 | 24.53 |
| | Band 26 | Ant1 | 15M | 831.5 | 26865 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4x4MIMO | 23.67 | 23.74 |
| | Band 12 | Ant0 | 10M | 707.5 | 23095 | QPSK | 1 | 0 | | Band 66 | 20M | 2155 | 66886 | 4x4MIMO | 24.47 | 24.50 |
| | Band 12 | Ant1 | 10M | 707.5 | 23095 | QPSK | 1 | 0 | | Band 66 | 20M | 2155 | 66886 | 4x4MIMO | 23.44 | 23.54 |
| CA_26A-38A | Band 66 | Ant1 | 20M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 12 | 10M | 737.5 | 5095 | | 22.23 | 22.27 |
| | Band 66 | Ant2 | 20M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 12 | 10M | 737.5 | 5095 | | 23.67 | 23.73 |
| | Band 66 | Ant3 | 20M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 12 | 10M | 737.5 | 5095 | | 21.44 | 21.53 |
| | Band 66 | Ant4 | 20M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 12 | 10M | 737.5 | 5095 | | 23.29 | 23.43 |
| CA_26A-41A | Band 26 | Ant0 | 15M | 831.5 | 26865 | QPSK | 1 | 0 | | Band 38 | 20M | 2595 | 38000 | 4x4MIMO | 24.45 | 24.53 |
| | Band 26 | Ant1 | 15M | 831.5 | 26865 | QPSK | 1 | 0 | | Band 38 | 20M | 2595 | 38000 | 4x4MIMO | 23.62 | 23.74 |
| | Band 26 | Ant2 | 15M | 831.5 | 26865 | QPSK | 1 | 0 | | Band 41 | 20M | 2593 | 40620 | 4x4MIMO | 24.48 | 24.53 |
| | Band 26 | Ant4 | 15M | 831.5 | 26865 | QPSK | 1 | 0 | | Band 41 | 20M | 2593 | 40620 | 4x4MIMO | 23.63 | 23.74 |
| CA_38C | Band 38 | Ant1 | 20M | 2580 | 37850 | QPSK | 1 | 0 | 4x4MIMO | Band 38 | 20M | 2599.8 | 38048 | 4x4MIMO | 23.72 | 23.84 |
| | Band 38 | Ant2 | 20M | 2580 | 37850 | QPSK | 1 | 0 | 4x4MIMO | Band 38 | 20M | 2599.8 | 38048 | 4x4MIMO | 25.30 | 25.42 |
| | Band 38 | Ant3 | 20M | 2580 | 37850 | QPSK | 1 | 0 | 4x4MIMO | Band 38 | 20M | 2599.8 | 38048 | 4x4MIMO | 23.12 | 23.19 |
| | Band 38 | Ant4 | 20M | 2580 | 37850 | QPSK | 1 | 0 | 4x4MIMO | Band 38 | 20M | 2599.8 | 38048 | 4x4MIMO | 25.30 | 25.35 |
| CA_41C | Band 41 | Ant1 | 20M | 2593 | 40620 | QPSK | 1 | 0 | 4x4MIMO | Band 41 | 20M | 2612.8 | 40818 | 4x4MIMO | 23.66 | 23.70 |
| | Band 41 | Ant2 | 20M | 2593 | 40620 | QPSK | 1 | 0 | 4x4MIMO | Band 41 | 20M | 2612.8 | 40818 | 4x4MIMO | 25.33 | 25.41 |
| | Band 41 | Ant3 | 20M | 2593 | 40620 | QPSK | 1 | 0 | 4x4MIMO | Band 41 | 20M | 2612.8 | 40818 | 4x4MIMO | 23.11 | 23.22 |
| | Band 41 | Ant4 | 20M | 2593 | 40620 | QPSK | 1 | 0 | 4x4MIMO | Band 41 | 20M | 2612.8 | 40818 | 4x4MIMO | 25.05 | 25.27 |
| CA_42C | Band 42 | Ant1 | 20M | 3500 | 42590 | QPSK | 1 | 0 | 4x4MIMO | Band 42 | 20M | 3519.8 | 42788 | 4x4MIMO | 23.21 | 23.32 |
| | Band 42 | Ant5 | 20M | 3500 | 42590 | QPSK | 1 | 0 | 4x4MIMO | Band 42 | 20M | 3519.8 | 42788 | 4x4MIMO | 24.86 | 24.97 |
| | Band 42 | Ant6 | 20M | 3500 | 42590 | QPSK | 1 | 0 | 4x4MIMO | Band 42 | 20M | 3519.8 | 42788 | 4x4MIMO | 24.60 | 24.69 |
| CA_66B | Band 42 | Ant7 | 20M | 3500 | 42590 | QPSK | 1 | 0 | 4x4MIMO | Band 42 | 20M | 3519.8 | 42788 | 4x4MIMO | 23.40 | 23.48 |
| | Band 66 | Ant1 | 15M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 66 | 5M | 2164.3 | 66979 | 4x4MIMO | 22.12 | 22.27 |
| | Band 66 | Ant2 | 15M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 66 | 5M | 2164.3 | 66979 | 4x4MIMO | 23.66 | 23.73 |
| | Band 66 | Ant3 | 15M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 66 | 5M | 2164.3 | 66979 | 4x4MIMO | 21.42 | 21.53 |
| CA_66C | Band 66 | Ant4 | 15M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 66 | 5M | 2164.3 | 66979 | 4x4MIMO | 23.39 | 23.43 |
| | Band 66 | Ant1 | 20M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 66 | 20M | 2164.8 | 66984 | 4x4MIMO | 22.19 | 22.27 |
| | Band 66 | Ant2 | 20M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 66 | 20M | 2164.8 | 66984 | 4x4MIMO | 23.60 | 23.73 |
| | Band 66 | Ant3 | 20M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 66 | 20M | 2164.8 | 66984 | 4x4MIMO | 21.41 | 21.53 |
| Band 66 | Ant4 | 20M | 1745 | 132322 | QPSK | 1 | 0 | 4x4MIMO | Band 66 | 20M | 2164.8 | 66984 | 4x4MIMO | 23.40 | 23.43 | |



3CA DL

| 3CA List | PCC | | | | | | | | | | SCC1 | | | | SCC2 | | | | Power | | | |
|-------------|----------|----------|---------------|------------|--------|--------|--------------|--------------------------|----------|----------|---------------|------------|--------------------------|----------|----------|---------------|------------|--------------------------|-------------------------|----------------------------|-------|-------|
| | LTE Band | BW (MHz) | UL Freq (MHz) | UL Channel | Mod. | UL# RB | UL RB Offset | DL Antenna Configuration | LTE Band | BW (MHz) | DL Freq (MHz) | DL Channel | DL Antenna Configuration | LTE Band | BW (MHz) | DL Freq (MHz) | DL Channel | DL Antenna Configuration | With CA Tx. Power (dBm) | Without CA Tx. Power (dBm) | | |
| | Ant | | | | | | | | | | | | | | | | | | | | | |
| CA_2A-4A-5A | Band 2 | Ant2 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 4 | 20M | 2132.5 | 2175 | 4xMIMO | Band 5 | 10M | 881.5 | 2525 | | 23.51 | 23.66 | |
| | Band 2 | Ant4 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 4 | 20M | 2132.5 | 2175 | 4xMIMO | Band 5 | 10M | 881.5 | 2525 | | 23.36 | 23.43 | |
| | Band 4 | Ant1 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4xMIMO | Band 5 | 10M | 881.5 | 2525 | | Band 2 | 20M | 1960 | 900 | | 22.95 | 23.01 | |
| | Band 4 | Ant2 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4xMIMO | Band 5 | 10M | 881.5 | 2525 | | Band 2 | 20M | 1960 | 900 | | 24.57 | 24.67 | |
| | Band 4 | Ant3 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4xMIMO | Band 5 | 10M | 881.5 | 2525 | | Band 2 | 20M | 1960 | 900 | | 22.32 | 22.39 | |
| | Band 4 | Ant4 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4xMIMO | Band 5 | 10M | 881.5 | 2525 | | Band 2 | 20M | 1960 | 900 | | 24.41 | 24.44 | |
| CA_2A-4A-7A | Band 5 | Ant0 | 10M | 836.5 | 20525 | QPSK | 1 | 0 | | Band 2 | 20M | 1960 | 900 | | Band 4 | 20M | 2132.5 | 2175 | 4xMIMO | | 24.55 | 24.67 |
| | Band 5 | Ant1 | 10M | 836.5 | 20525 | QPSK | 1 | 0 | | Band 2 | 20M | 1960 | 900 | | Band 4 | 20M | 2132.5 | 2175 | 4xMIMO | | 23.65 | 23.75 |
| | Band 2 | Ant2 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 4 | 20M | 2132.5 | 2175 | 4xMIMO | Band 7 | 20M | 2655 | 3100 | 4xMIMO | | 23.61 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 4 | 20M | 2132.5 | 2175 | 4xMIMO | Band 7 | 20M | 2655 | 3100 | 4xMIMO | | 23.37 | 23.43 |
| | Band 4 | Ant1 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 22.94 | 23.01 | |
| | Band 4 | Ant2 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 24.58 | 24.67 | |
| CA_2A-5A-7A | Band 4 | Ant3 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 22.31 | 22.39 | |
| | Band 4 | Ant4 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 24.30 | 24.44 | |
| | Band 2 | Ant2 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 5 | 10M | 881.5 | 2525 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | | 23.58 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 5 | 10M | 881.5 | 2525 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | | 23.40 | 23.43 |
| | Band 5 | Ant0 | 10M | 836.5 | 20525 | QPSK | 1 | 0 | | Band 5 | 10M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 24.61 | 24.67 | |
| | Band 5 | Ant1 | 10M | 836.5 | 20525 | QPSK | 1 | 0 | | Band 5 | 10M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 23.66 | 23.75 | |
| CA_2A-5A-6A | Band 7 | Ant1 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | Band 5 | 10M | 881.5 | 2525 | | 23.32 | 23.45 | |
| | Band 7 | Ant2 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | Band 5 | 10M | 881.5 | 2525 | | 24.69 | 24.80 | |
| | Band 7 | Ant3 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | Band 5 | 10M | 881.5 | 2525 | | 22.64 | 22.70 | |
| | Band 7 | Ant4 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | Band 5 | 10M | 881.5 | 2525 | | 24.64 | 24.80 | |
| | Band 2 | Ant2 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 5 | 10M | 881.5 | 2525 | | Band 66 | 20M | 2155 | 68886 | 4xMIMO | | 23.50 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 5 | 10M | 881.5 | 2525 | | Band 66 | 20M | 2155 | 68886 | 4xMIMO | | 23.36 | 23.43 |
| CA_2A-7A-7A | Band 5 | Ant0 | 10M | 836.5 | 20525 | QPSK | 1 | 0 | | Band 66 | 20M | 2155 | 68886 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 24.59 | 24.67 | |
| | Band 5 | Ant1 | 10M | 836.5 | 20525 | QPSK | 1 | 0 | | Band 66 | 20M | 2155 | 68886 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 23.72 | 23.75 | |
| | Band 66 | Ant1 | 20M | 1745 | 132322 | QPSK | 1 | 0 | | Band 2 | 20M | 1960 | 900 | | Band 5 | 10M | 881.5 | 2525 | | 22.19 | 22.27 | |
| | Band 66 | Ant2 | 20M | 1745 | 132322 | QPSK | 1 | 0 | | Band 2 | 20M | 1960 | 900 | | Band 5 | 10M | 881.5 | 2525 | | 23.61 | 23.73 | |
| | Band 66 | Ant3 | 20M | 1745 | 132322 | QPSK | 1 | 0 | | Band 2 | 20M | 1960 | 900 | | Band 5 | 10M | 881.5 | 2525 | | 21.45 | 21.53 | |
| | Band 66 | Ant4 | 20M | 1745 | 132322 | QPSK | 1 | 0 | | Band 2 | 20M | 1960 | 900 | | Band 5 | 10M | 881.5 | 2525 | | 23.36 | 23.43 | |
| CA_2A-7A-6A | Band 2 | Ant2 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 5M | 2687.5 | 3425 | 4xMIMO | | 23.59 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 5M | 2687.5 | 3425 | 4xMIMO | | 23.31 | 23.43 |
| | Band 7 | Ant1 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 5M | 2687.5 | 3425 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 23.38 | 23.45 | |
| | Band 7 | Ant2 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 5M | 2687.5 | 3425 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 24.75 | 24.80 | |
| | Band 7 | Ant3 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 5M | 2687.5 | 3425 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 22.63 | 22.70 | |
| | Band 7 | Ant4 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 5M | 2687.5 | 3425 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 24.68 | 24.80 | |
| CA_2A-7A-6A | Band 2 | Ant2 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 66 | 20M | 2155 | 68886 | 4xMIMO | Band 7 | 20M | 2655 | 3100 | 4xMIMO | | 23.60 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 66 | 20M | 2155 | 68886 | 4xMIMO | Band 7 | 20M | 2655 | 3100 | 4xMIMO | | 23.29 | 23.43 |
| | Band 66 | Ant1 | 20M | 1745 | 132322 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 22.20 | 22.27 | |
| | Band 66 | Ant2 | 20M | 1745 | 132322 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 23.64 | 23.73 | |
| | Band 66 | Ant3 | 20M | 1745 | 132322 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 21.49 | 21.53 | |
| | Band 66 | Ant4 | 20M | 1745 | 132322 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 23.33 | 23.43 | |
| CA_2A-7C | Band 2 | Ant2 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | | 23.56 | 23.66 |
| | Band 2 | Ant4 | 20M | 1880 | 1890Q | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | | 23.36 | 23.43 |
| | Band 7 | Ant1 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 23.37 | 23.45 | |
| | Band 7 | Ant2 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 24.69 | 24.80 | |
| | Band 7 | Ant3 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 22.66 | 22.70 | |
| | Band 7 | Ant4 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | Band 2 | 20M | 1960 | 900 | | 24.61 | 24.80 | |
| CA_4A-7C | Band 4 | Ant1 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | | 22.88 | 23.01 |
| | Band 4 | Ant2 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | | 24.60 | 24.67 |
| | Band 4 | Ant3 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | | 22.32 | 22.39 |
| | Band 4 | Ant4 | 20M | 1732.5 | 20175 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | | 24.35 | 24.44 |
| | Band 7 | Ant1 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | Band 4 | 20M | 2132.5 | 2175 | | 23.40 | 23.45 | |
| | Band 7 | Ant2 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | Band 4 | 20M | 2132.5 | 2175 | | 24.77 | 24.80 | |
| CA_5A-7A-7A | Band 7 | Ant3 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | Band 4 | 20M | 2132.5 | 2175 | | 22.63 | 22.70 | |
| | Band 7 | Ant4 | 20M | 2535 | 21100 | QPSK | 1 | 0 | 4xMIMO | Band 7 | 20M | 2554.8 | 3298 | 4xMIMO | Band 4 | 20M | 2132.5 | 2175 | | 24.70 | 24.80 | |
| | Band 5 | Ant0 | 10M | 836.5 | 20525 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 5M | 2687.5 | 3425 | 4xMIMO | | 24.63 | 24.67 |
| | Band 5 | Ant1 | 10M | 836.5 | 20525 | QPSK | 1 | 0 | | Band 7 | 20M | 2655 | 3100 | 4xMIMO | Band 7 | 5M | 2687.5 | 3425 | 4xMIMO | | 23.69 | 23.75 |
| | Band 7 | Ant1 | 20M | 2535 | 21100 | QPSK | | | | | | | | | | | | | | | | |

Default Uplink CA Power

| CA_7C Ant1 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 22.95 | 24.00 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 23.06 | 24.00 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 23.02 | 24.00 |

| CA_7C Ant2 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 24.18 | 25.50 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 24.22 | 25.50 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 24.07 | 25.50 |

| CA_38C Ant1 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 23.29 | 25.00 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 23.31 | 25.00 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 23.12 | 25.00 |

| CA_38C Ant2 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 24.84 | 25.50 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 24.94 | 25.50 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 24.90 | 25.50 |

| CA_7C Ant3 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 22.19 | 24.00 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 22.30 | 24.00 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 22.25 | 24.00 |

| CA_7C Ant4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 24.31 | 25.50 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 24.37 | 25.50 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 24.18 | 25.50 |

| CA_38C Ant3 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 22.46 | 24.50 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 22.62 | 24.50 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 22.60 | 24.50 |

| CA_38C Ant4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 24.76 | 25.70 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 24.83 | 25.70 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 24.69 | 25.70 |



Reduced Uplink CA Power

| CA_7C Ant1 DSI0&4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 15.51 | 16.50 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 15.55 | 16.50 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 15.51 | 16.50 |

| CA_38C Ant1 DSI0&4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 19.28 | 21.00 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 19.34 | 21.00 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 19.02 | 21.00 |

| CA_7C Ant1 DSI1 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 19.97 | 21.00 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 20.03 | 21.00 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 19.96 | 21.00 |

| CA_38C Ant1 DSI1 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 21.76 | 23.50 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 21.80 | 23.50 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 21.73 | 23.50 |

| CA_7C Ant2 DSI1&4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 20.15 | 21.50 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 20.29 | 21.50 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 20.12 | 21.50 |

| CA_38C Ant2 DSI1&4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 22.82 | 23.50 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 22.91 | 23.50 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 22.76 | 23.50 |

| CA_7C Ant2 DSI3 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 23.23 | 24.50 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 23.31 | 24.50 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 23.21 | 24.50 |

| CA_38C Ant3 DSI0&4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 20.49 | 22.50 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 20.74 | 22.50 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 20.68 | 22.50 |

| CA_7C Ant3 DSI0&4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 17.02 | 19.00 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 17.41 | 19.00 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 17.32 | 19.00 |

| CA_38C Ant4 DSI0&4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 20.79 | 21.70 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 20.82 | 21.70 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 20.79 | 21.70 |

| CA_7C Ant3 DSI1 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 21.67 | 23.50 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 21.83 | 23.50 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 21.76 | 23.50 |

| CA_38C Ant4 DSI1&3 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 37850 | 38048 | QPSK | 1 | 99 | 1 | 0 | 23.29 | 24.20 |
| 37901 | 38099 | QPSK | 1 | 99 | 1 | 0 | 23.35 | 24.20 |
| 38150 | 37952 | QPSK | 1 | 0 | 1 | 99 | 23.21 | 24.20 |

| CA_7C Ant4 DSI0&4 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 18.29 | 19.50 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 18.40 | 19.50 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 18.33 | 19.50 |

| CA_7C Ant4 DSI1&3 | | | | | | | | |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | |
| 20850 | 21048 | QPSK | 1 | 99 | 1 | 0 | 20.77 | 22.00 |
| 21100 | 21298 | QPSK | 1 | 99 | 1 | 0 | 20.85 | 22.00 |
| 21350 | 21152 | QPSK | 1 | 0 | 1 | 99 | 20.70 | 22.00 |



Default Power for FR1 Main PA

| n5 Main PA Ant0 | | | | | | | | |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 166800 | Power Middle Ch. / Freq. 167300 | Power High Ch. / Freq. 167800 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 166800 | 167300 | 167800 | | |
| Frequency (MHz) | | | | 834 | 836.5 | 839 | | |
| 20 | PI/2 BPSK | 1 | 1 | 24.48 | 24.57 | 24.51 | | |
| 20 | PI/2 BPSK | 1 | 53 | 24.41 | 24.51 | 24.38 | 25.5 | 0.0 |
| 20 | PI/2 BPSK | 1 | 104 | 24.33 | 24.46 | 24.39 | | |
| 20 | PI/2 BPSK | 50 | 0 | 24.16 | 24.21 | 24.15 | | |
| 20 | PI/2 BPSK | 50 | 28 | 24.54 | 24.59 | 24.51 | 25.5 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 24.12 | 24.21 | 24.17 | 25.0 | 0.5 |
| 20 | PI/2 BPSK | 100 | 0 | 24.13 | 24.18 | 24.10 | | |
| 20 | QPSK | 1 | 1 | 24.52 | 24.63 | 24.48 | 25.5 | 0.0 |
| 20 | QPSK | 1 | 53 | 24.43 | 24.53 | 24.41 | | |
| 20 | QPSK | 1 | 104 | 24.37 | 24.46 | 24.33 | | |
| 20 | QPSK | 50 | 0 | 23.65 | 23.71 | 23.61 | 24.5 | 1.0 |
| 20 | QPSK | 50 | 28 | 24.56 | 24.61 | 24.54 | 25.5 | 0.0 |
| 20 | QPSK | 50 | 56 | 23.49 | 23.62 | 23.53 | 24.5 | 1.0 |
| 20 | QPSK | 100 | 0 | 23.60 | 23.66 | 23.52 | | |
| 20 | 16QAM | 1 | 1 | 23.28 | 23.34 | 23.31 | 24.5 | 1.0 |
| 20 | 64QAM | 1 | 1 | 21.84 | 21.93 | 21.83 | 23.0 | 2.5 |
| 20 | 256QAM | 1 | 1 | 20.66 | 20.69 | 20.61 | 21.0 | 4.5 |
| Channel | | | | 166300 | 167300 | 168300 | | |
| Frequency (MHz) | | | | 831.5 | 836.5 | 841.5 | | |
| 15 | QPSK | 1 | 1 | 24.48 | 24.53 | 24.44 | 25.5 | 0.0 |
| Channel | | | | 165800 | 167300 | 168800 | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | |
| 10 | QPSK | 1 | 1 | 24.55 | 24.59 | 24.40 | 25.5 | 0.0 |
| Channel | | | | 165300 | 167300 | 169300 | | |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | |
| 5 | QPSK | 1 | 1 | 24.50 | 24.57 | 24.49 | 25.5 | 0.0 |



n5 Main PA Ant1

| BW (MHz) | Modulation | RB Size | RB Offset | Power | | | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
| | | | | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. | | |
| Channel | | | | 165000 | 167500 | 167500 | | |
| Frequency (MHz) | | | | 834 | 836.5 | 839 | | |
| 20 | P12 BPSK | 1 | 1 | 23.59 | 23.68 | 23.55 | | |
| 20 | P12 BPSK | 1 | 53 | 23.61 | 23.66 | 23.55 | 25.5 | 0.0 |
| 20 | P12 BPSK | 1 | 104 | 23.56 | 23.61 | 23.57 | | |
| 20 | P12 BPSK | 50 | 0 | 23.23 | 23.31 | 23.22 | 25.0 | 0.5 |
| 20 | P12 BPSK | 50 | 28 | 23.58 | 23.65 | 23.58 | 25.5 | 0.0 |
| 20 | P12 BPSK | 50 | 56 | 23.20 | 23.27 | 23.14 | 25.0 | 0.5 |
| 20 | P12 BPSK | 100 | 0 | 23.20 | 23.33 | 23.25 | | |
| 20 | QPSK | 1 | 1 | 23.68 | 23.73 | 23.64 | | |
| 20 | QPSK | 1 | 53 | 23.53 | 23.65 | 23.25 | 25.5 | 0.0 |
| 20 | QPSK | 1 | 104 | 23.60 | 23.68 | 23.54 | | |
| 20 | QPSK | 50 | 0 | 22.69 | 22.83 | 22.75 | 24.5 | 1.0 |
| 20 | QPSK | 50 | 28 | 23.56 | 23.66 | 23.60 | 25.5 | 0.0 |
| 20 | QPSK | 50 | 56 | 22.64 | 22.77 | 22.70 | 24.5 | 1.0 |
| 20 | QPSK | 100 | 0 | 22.76 | 22.81 | 22.78 | | |
| 20 | 16QAM | 1 | 1 | 22.57 | 22.84 | 22.52 | 24.5 | 1.0 |
| 20 | 64QAM | 1 | 1 | 21.15 | 21.29 | 21.22 | 23.0 | 2.5 |
| 20 | 256QAM | 1 | 1 | 19.58 | 19.72 | 19.62 | 21.0 | 4.5 |
| Channel | | | | 166300 | 167300 | 168300 | | |
| Frequency (MHz) | | | | 831.5 | 838.5 | 841.5 | | |
| 15 | QPSK | 1 | 1 | 23.51 | 23.62 | 23.55 | 25.5 | 0.0 |
| Channel | | | | 165800 | 167200 | 168800 | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | |
| 10 | QPSK | 1 | 1 | 23.56 | 23.63 | 23.58 | 25.5 | 0.0 |
| Channel | | | | 165300 | 167300 | 169300 | | |
| Frequency (MHz) | | | | 826.5 | 834.5 | 842.5 | | |
| 5 | QPSK | 1 | 1 | 23.92 | 23.66 | 23.63 | 25.5 | 0.0 |

n7 Main PA Ant1

| BW (MHz) | Modulation | RB Size | RB Offset | Power | | | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
| | | | | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. | | |
| Channel | | | | 505000 | 507000 | 509000 | | |
| Frequency (MHz) | | | | 2625 | 2635 | 2645 | | |
| 50 | P12 BPSK | 1 | 1 | 23.19 | 23.32 | 23.15 | | |
| 50 | P12 BPSK | 1 | 135 | 23.14 | 23.20 | 23.17 | 24.0 | 0.0 |
| 50 | P12 BPSK | 1 | 268 | 23.16 | 23.19 | 23.08 | | |
| 50 | P12 BPSK | 135 | 0 | 22.82 | 22.88 | 22.88 | 23.5 | 0.5 |
| 50 | P12 BPSK | 135 | 68 | 23.23 | 23.29 | 23.15 | 24.0 | 0.0 |
| 50 | P12 BPSK | 135 | 135 | 22.83 | 22.89 | 22.87 | 23.5 | 0.5 |
| 50 | P12 BPSK | 270 | 0 | 22.84 | 22.95 | 22.84 | | |
| 50 | QPSK | 1 | 1 | 23.27 | 23.33 | 23.25 | | |
| 50 | QPSK | 1 | 135 | 23.08 | 23.19 | 23.13 | 24.0 | 0.0 |
| 50 | QPSK | 1 | 268 | 23.07 | 23.16 | 23.13 | | |
| 50 | QPSK | 135 | 0 | 22.37 | 22.38 | 22.38 | 23.0 | 1.0 |
| 50 | QPSK | 135 | 68 | 23.17 | 23.26 | 23.21 | 24.0 | 0.0 |
| 50 | QPSK | 135 | 135 | 22.24 | 22.31 | 22.25 | 23.0 | 1.0 |
| 50 | QPSK | 270 | 0 | 22.26 | 22.40 | 22.31 | | |
| 50 | 16QAM | 1 | 1 | 22.02 | 22.08 | 22.00 | 23.0 | 1.0 |
| 50 | 64QAM | 1 | 1 | 20.53 | 20.59 | 20.48 | 21.5 | 2.5 |
| 50 | 256QAM | 1 | 1 | 19.27 | 19.34 | 19.20 | 19.5 | 4.5 |
| Channel | | | | 504000 | 507000 | 510000 | | |
| Frequency (MHz) | | | | 2620 | 2635 | 2650 | | |
| 40 | QPSK | 1 | 1 | 23.20 | 23.18 | 23.16 | 24.0 | 0.0 |
| Channel | | | | 503000 | 507000 | 511000 | | |
| Frequency (MHz) | | | | 2615 | 2635 | 2655 | | |
| 30 | QPSK | 1 | 1 | 23.17 | 23.26 | 23.10 | 24.0 | 0.0 |
| Channel | | | | 502500 | 507000 | 511500 | | |
| Frequency (MHz) | | | | 2612.5 | 2635 | 2657.5 | | |
| 25 | QPSK | 1 | 1 | 23.17 | 23.19 | 23.10 | 24.0 | 0.0 |
| Channel | | | | 502000 | 507000 | 512000 | | |
| Frequency (MHz) | | | | 2610 | 2635 | 2660 | | |
| 20 | QPSK | 1 | 1 | 23.16 | 23.28 | 23.16 | 24.0 | 0.0 |
| Channel | | | | 501500 | 507000 | 512500 | | |
| Frequency (MHz) | | | | 2607.5 | 2635 | 2662.5 | | |
| 15 | QPSK | 1 | 1 | 23.15 | 23.30 | 23.11 | 24.0 | 0.0 |
| Channel | | | | 501000 | 513000 | 513000 | | |
| Frequency (MHz) | | | | 2605 | 2635 | 2665 | | |
| 10 | QPSK | 1 | 1 | 23.22 | 23.22 | 23.21 | 24.0 | 0.0 |
| Channel | | | | 500500 | 507000 | 513500 | | |
| Frequency (MHz) | | | | 2602.5 | 2635 | 2667.5 | | |
| 5 | QPSK | 1 | 1 | 23.17 | 23.28 | 23.10 | 24.0 | 0.0 |

n66 Main PA Ant1

| BW (MHz) | Modulation | RB Size | RB Offset | Power | | | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
| | | | | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. | | |
| Channel | | | | 346500 | 349000 | 351500 | | |
| Frequency (MHz) | | | | 1732.5 | 1745 | 1757.5 | | |
| 45 | P12 BPSK | 1 | 1 | 22.19 | 22.24 | 22.24 | 23.0 | 0.0 |
| 45 | P12 BPSK | 1 | 120 | 22.10 | 22.18 | 22.06 | 24.0 | 0.0 |
| 45 | P12 BPSK | 1 | 243 | 22.11 | 22.13 | 22.08 | | |
| 45 | P12 BPSK | 120 | 0 | 21.78 | 21.86 | 21.79 | 23.5 | 0.5 |
| 45 | P12 BPSK | 120 | 60 | 22.17 | 22.24 | 22.08 | 24.0 | 0.0 |
| 45 | P12 BPSK | 120 | 120 | 21.74 | 21.79 | 21.84 | 23.5 | 0.5 |
| 45 | P12 BPSK | 240 | 0 | 21.78 | 21.80 | 21.76 | | |
| 45 | QPSK | 1 | 1 | 22.24 | 22.30 | 22.20 | | |
| 45 | QPSK | 1 | 120 | 22.05 | 22.14 | 22.10 | 24.0 | 0.0 |
| 45 | QPSK | 1 | 243 | 22.13 | 22.18 | 22.07 | | |
| 45 | QPSK | 120 | 0 | 21.27 | 21.29 | 21.24 | 23.0 | 1.0 |
| 45 | QPSK | 120 | 60 | 22.17 | 22.22 | 22.19 | 24.0 | 0.0 |
| 45 | QPSK | 120 | 120 | 21.08 | 21.19 | 21.13 | 23.0 | 1.0 |
| 45 | QPSK | 240 | 0 | 21.14 | 21.21 | 21.16 | | |
| 45 | 16QAM | 1 | 1 | 21.09 | 21.18 | 21.13 | 23.0 | 1.0 |
| 45 | 64QAM | 1 | 1 | 19.73 | 19.81 | 19.61 | 21.5 | 2.5 |
| 45 | 256QAM | 1 | 1 | 18.20 | 18.27 | 18.20 | 19.5 | 4.5 |
| Channel | | | | 346000 | 349000 | 352000 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1760 | | |
| 40 | QPSK | 1 | 1 | 22.09 | 22.11 | 22.08 | 24.5 | 0.0 |
| Channel | | | | 345500 | 349000 | 352500 | | |
| Frequency (MHz) | | | | 1727.5 | 1745 | 1762.5 | | |
| 35 | QPSK | 1 | 1 | 22.10 | 22.21 | 22.17 | 24.0 | 0.0 |
| Channel | | | | 345000 | 349000 | 353000 | | |
| Frequency (MHz) | | | | 1725 | 1745 | 1765 | | |
| 30 | QPSK | 1 | 1 | 22.19 | 22.25 | 22.14 | 24.0 | 0.0 |
| Channel | | | | 344500 | 349000 | 353500 | | |
| Frequency (MHz) | | | | 1722.5 | 1745 | 1767.5 | | |
| 25 | QPSK | 1 | 1 | 22.12 | 22.19 | 22.17 | 24.0 | 0.0 |
| Channel | | | | 344000 | 349000 | 354000 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | QPSK | 1 | 1 | 22.14 | 22.21 | 22.13 | 24.0 | 0.0 |
| Channel | | | | 343500 | 349000 | 354500 | | |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK | 1 | 1 | 22.09 | 22.19 | 22.08 | 24.0 | 0.0 |
| Channel | | | | 343000 | 349000 | 355000 | | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 1 | 22.13 | 22.19 | 22.06 | 24.0 | 0.0 |
| Channel | | | | 342500 | 349000 | 355500 | | |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 1 | 22.15 | 22.22 | 22.10 | 24.0 | 0.0 |



| n38 Main PA Ant1 | | | | | | | | | | |
|------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. Freq. (dBm) | Power Middle Ch. Freq. (dBm) | Power High Ch. Freq. (dBm) | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 2590.02 | 2595 | 2599.98 | | | | |
| 40 | PI2 BPSK | 1 | 1 | 23.54 | 23.85 | 23.77 | | | | |
| 40 | PI2 BPSK | 1 | 53 | 23.68 | 23.83 | 23.70 | 25.0 | 0.0 | | |
| 40 | PI2 BPSK | 1 | 104 | 23.55 | 23.71 | 23.56 | | | | |
| 40 | PI2 BPSK | 50 | 0 | 23.37 | 23.42 | 23.27 | 24.5 | 0.5 | | |
| 40 | PI2 BPSK | 50 | 28 | 23.81 | 23.83 | 23.74 | 25.0 | 0.0 | | |
| 40 | PI2 BPSK | 50 | 56 | 23.27 | 23.39 | 23.26 | | | | |
| 40 | PI2 BPSK | 100 | 0 | 23.29 | 23.38 | 23.37 | 24.5 | 0.5 | | |
| 40 | QPSK | 1 | 1 | 23.80 | 23.91 | 23.81 | | | | |
| 40 | QPSK | 1 | 53 | 23.78 | 23.87 | 23.80 | 25.0 | 0.0 | | |
| 40 | QPSK | 1 | 104 | 23.80 | 23.76 | 23.62 | | | | |
| 40 | QPSK | 50 | 0 | 22.74 | 22.94 | 22.83 | 24.0 | 1.0 | | |
| 40 | QPSK | 50 | 28 | 23.72 | 23.87 | 23.76 | 25.0 | 0.0 | | |
| 40 | QPSK | 50 | 56 | 22.79 | 22.91 | 22.86 | 24.0 | 1.0 | | |
| 40 | QPSK | 100 | 0 | 22.89 | 23.00 | 22.92 | | | | |
| 40 | 6QAM | 1 | 1 | 22.72 | 22.90 | 22.86 | 24.0 | 1.0 | | |
| 40 | 6QAM | 1 | 1 | 21.15 | 21.30 | 21.24 | 22.5 | 2.5 | | |
| 40 | 25QAM | 1 | 1 | 19.34 | 19.41 | 19.43 | 20.5 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 517002 | 519000 | 520998 | time-up limit (dBm) | MPR (dB) | | |
| 30 | QPSK | 1 | 1 | 23.61 | 23.69 | 23.64 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 516504 | 519000 | 521496 | time-up limit (dBm) | MPR (dB) | | |
| 25 | QPSK | 1 | 1 | 23.84 | 23.80 | 23.73 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 516000 | 518000 | 520000 | time-up limit (dBm) | MPR (dB) | | |
| 20 | QPSK | 1 | 1 | 23.90 | 23.95 | 23.90 | 25.0 | 0.0 | | |
| 20 | QPSK | 1 | 1 | 23.79 | 23.81 | 23.76 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 515502 | 519000 | 522498 | time-up limit (dBm) | MPR (dB) | | |
| 15 | QPSK | 1 | 1 | 23.73 | 23.75 | 23.72 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 515004 | 519000 | 522996 | time-up limit (dBm) | MPR (dB) | | |
| 10 | QPSK | 1 | 1 | 23.83 | 23.83 | 23.74 | 25.0 | 0.0 | | |

| n41 Main PA Ant1 | | | | | | | | | | |
|------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. Freq. (dBm) | Power Middle Ch. Freq. (dBm) | Power High Ch. Freq. (dBm) | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 2546.01 | 2592.99 | 2640 | | | | |
| 100 | PI2 BPSK | 1 | 1 | 23.58 | 23.54 | 23.51 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 23.78 | 23.87 | 23.81 | 25.0 | 0.0 | | |
| 100 | PI2 BPSK | 1 | 271 | 23.60 | 23.75 | 23.64 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 23.43 | 23.47 | 23.37 | 24.5 | 0.5 | | |
| 100 | PI2 BPSK | 135 | 69 | 23.89 | 23.93 | 23.80 | 25.0 | 0.0 | | |
| 100 | PI2 BPSK | 135 | 138 | 23.34 | 23.46 | 23.38 | | | | |
| 100 | PI2 BPSK | 270 | 0 | 23.40 | 23.51 | 23.45 | 24.5 | 0.5 | | |
| 100 | QPSK | 1 | 1 | 23.93 | 23.98 | 23.89 | | | | |
| 100 | QPSK | 1 | 137 | 23.84 | 23.93 | 23.87 | 25.0 | 0.0 | | |
| 100 | QPSK | 1 | 271 | 23.75 | 23.86 | 23.76 | | | | |
| 100 | QPSK | 135 | 0 | 22.87 | 22.88 | 22.87 | 24.0 | 1.0 | | |
| 100 | QPSK | 135 | 69 | 23.78 | 23.92 | 23.85 | 25.0 | 0.0 | | |
| 100 | QPSK | 135 | 138 | 22.88 | 22.97 | 22.90 | 24.0 | 1.0 | | |
| 100 | QPSK | 270 | 0 | 22.94 | 23.07 | 23.01 | | | | |
| 100 | 6QAM | 1 | 1 | 22.80 | 22.95 | 22.91 | 24.0 | 1.0 | | |
| 100 | 6QAM | 1 | 1 | 21.28 | 21.34 | 21.30 | 22.5 | 2.5 | | |
| 100 | 25QAM | 1 | 1 | 19.43 | 19.56 | 19.49 | 20.5 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 508200 | 518598 | 528996 | time-up limit (dBm) | MPR (dB) | | |
| 90 | QPSK | 1 | 1 | 23.43 | 23.89 | 23.81 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 507204 | 518598 | 528996 | time-up limit (dBm) | MPR (dB) | | |
| 80 | QPSK | 1 | 1 | 23.84 | 23.91 | 23.77 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 506202 | 518598 | 531000 | time-up limit (dBm) | MPR (dB) | | |
| 70 | QPSK | 1 | 1 | 23.80 | 23.93 | 23.88 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 505200 | 518598 | 531996 | time-up limit (dBm) | MPR (dB) | | |
| 60 | QPSK | 1 | 1 | 23.90 | 23.94 | 23.76 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 504204 | 518598 | 532998 | time-up limit (dBm) | MPR (dB) | | |
| 50 | QPSK | 1 | 1 | 23.89 | 23.87 | 23.77 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 503202 | 518598 | 534000 | time-up limit (dBm) | MPR (dB) | | |
| 40 | QPSK | 1 | 1 | 23.86 | 23.92 | 23.76 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 502200 | 518598 | 534996 | time-up limit (dBm) | MPR (dB) | | |
| 30 | QPSK | 1 | 1 | 23.81 | 23.90 | 23.84 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 501204 | 518598 | 535998 | time-up limit (dBm) | MPR (dB) | | |
| 20 | QPSK | 1 | 1 | 23.81 | 23.86 | 23.83 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 500202 | 518598 | 536996 | time-up limit (dBm) | MPR (dB) | | |
| 15 | QPSK | 1 | 1 | 23.88 | 23.87 | 23.76 | 25.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 500200 | 518598 | 537000 | time-up limit (dBm) | MPR (dB) | | |
| 10 | QPSK | 1 | 1 | 23.85 | 23.93 | 23.80 | 25.0 | 0.0 | | |

| Part270 n77 Main PA Ant1 | | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|---------------------|----------|--|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. Freq. (dBm) | Power Middle Ch. Freq. (dBm) | Power High Ch. Freq. (dBm) | Tune-up limit (dBm) | MPR (dB) | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 3705 | 3840 | 3975 | | | | |
| 100 | PI2 BPSK | 1 | 1 | 20.51 | 20.62 | 20.55 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 20.48 | 20.61 | 20.49 | 22.0 | 0.0 | | |
| 100 | PI2 BPSK | 1 | 271 | 20.33 | 20.47 | 20.40 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 20.40 | 20.53 | 20.29 | 22.0 | 0.0 | | |
| 100 | PI2 BPSK | 135 | 69 | 20.54 | 20.65 | 20.56 | 22.0 | 0.0 | | |
| 100 | PI2 BPSK | 135 | 138 | 20.46 | 20.45 | 20.30 | | | | |
| 100 | PI2 BPSK | 270 | 0 | 20.45 | 20.47 | 20.40 | 22.0 | 0.0 | | |
| 100 | QPSK | 1 | 1 | 20.56 | 20.67 | 20.54 | | | | |
| 100 | QPSK | 1 | 137 | 20.49 | 20.54 | 20.45 | 22.0 | 0.0 | | |
| 100 | QPSK | 1 | 271 | 20.57 | 20.58 | 20.58 | | | | |
| 100 | QPSK | 135 | 0 | 20.43 | 20.51 | 20.43 | 22.0 | 0.0 | | |
| 100 | QPSK | 135 | 69 | 20.49 | 20.63 | 20.55 | 22.0 | 0.0 | | |
| 100 | QPSK | 135 | 138 | 20.38 | 20.44 | 20.50 | 22.0 | 0.0 | | |
| 100 | QPSK | 270 | 0 | 20.50 | 20.56 | 20.46 | | | | |
| 100 | 6QAM | 1 | 1 | 20.26 | 20.26 | 20.27 | 22.0 | 0.0 | | |
| 100 | 6QAM | 1 | 1 | 20.04 | 20.01 | 20.01 | 22.0 | 0.0 | | |
| 100 | 25QAM | 1 | 1 | 18.87 | 19.07 | 18.90 | 20.5 | 1.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649668 | 650000 | 662334 | time-up limit (dBm) | MPR (dB) | | |
| 90 | QPSK | 1 | 1 | 20.48 | 20.55 | 20.46 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649334 | 650000 | 663668 | time-up limit (dBm) | MPR (dB) | | |
| 80 | QPSK | 1 | 1 | 20.42 | 20.62 | 20.45 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649000 | 650000 | 663000 | time-up limit (dBm) | MPR (dB) | | |
| 70 | QPSK | 1 | 1 | 20.48 | 20.58 | 20.51 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 648668 | 650000 | 663334 | time-up limit (dBm) | MPR (dB) | | |
| 60 | QPSK | 1 | 1 | 20.52 | 20.53 | 20.44 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 648334 | 650000 | 663668 | time-up limit (dBm) | MPR (dB) | | |
| 50 | QPSK | 1 | 1 | 20.48 | 20.59 | 20.44 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 648000 | 650000 | 663000 | time-up limit (dBm) | MPR (dB) | | |
| 40 | QPSK | 1 | 1 | 20.47 | 20.64 | 20.50 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 647668 | 650000 | 663334 | time-up limit (dBm) | MPR (dB) | | |
| 30 | QPSK | 1 | 1 | 20.42 | 20.57 | 20.41 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 647300 | 650000 | 663600 | time-up limit (dBm) | MPR (dB) | | |
| 25 | QPSK | 1 | 1 | 20.42 | 20.59 | 20.43 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 647000 | 650000 | 663000 | time-up limit (dBm) | MPR (dB) | | |
| 20 | QPSK | 1 | 1 | 20.42 | 20.53 | 20.46 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 646668 | 650000 | 663668 | time-up limit (dBm) | MPR (dB) | | |
| 15 | QPSK | 1 | 1 | 20.51 | 20.54 | 20.42 | 22.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 646300 | 650000 | 663000 | time-up limit (dBm) | MPR (dB) | | |
| 10 | QPSK | 1 | 1 | 20.42 | 20.60 | 20.41 | 22.0 | 0.0 | | |



| Part270 n77 PC2 Main PA Ant1 | | | | | | | | | |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 100 | PI2 BPSK | 1 | 1 | 23.45 | 23.01 | 23.53 | | | |
| 100 | PI2 BPSK | 1 | 137 | 23.44 | 23.49 | 23.41 | 25.0 | 0.0 | |
| 100 | PI2 BPSK | 1 | 271 | 23.34 | 23.42 | 23.26 | | | |
| 100 | PI2 BPSK | 135 | 0 | 22.96 | 23.08 | 22.96 | 24.5 | 0.5 | |
| 100 | PI2 BPSK | 135 | 69 | 23.33 | 23.46 | 23.45 | 25.0 | 0.0 | |
| 100 | PI2 BPSK | 135 | 138 | 22.84 | 23.03 | 22.87 | 24.5 | 0.5 | |
| 100 | PI2 BPSK | 270 | 0 | 23.02 | 23.11 | 23.01 | | | |
| 100 | QPSK | 1 | 1 | 23.59 | 23.05 | 23.56 | | | |
| 100 | QPSK | 1 | 137 | 23.45 | 23.49 | 23.44 | 25.0 | 0.0 | |
| 100 | QPSK | 1 | 271 | 23.45 | 23.33 | 23.42 | | | |
| 100 | QPSK | 135 | 0 | 22.40 | 22.50 | 22.43 | 24.0 | 1.0 | |
| 100 | QPSK | 135 | 69 | 23.47 | 23.59 | 23.36 | 25.0 | 0.0 | |
| 100 | QPSK | 135 | 138 | 22.36 | 22.46 | 22.41 | 24.0 | 1.0 | |
| 100 | QPSK | 270 | 0 | 22.50 | 22.53 | 22.45 | 24.0 | 1.0 | |
| 100 | 64QAM | 1 | 1 | 22.15 | 22.18 | 22.11 | 24.0 | 1.0 | |
| 100 | 64QAM | 1 | 1 | 20.54 | 20.52 | 20.56 | 22.5 | 2.5 | |
| 100 | 256QAM | 1 | 1 | 18.66 | 18.83 | 18.84 | 20.5 | 4.5 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 50 | QPSK | 1 | 1 | 64968 | 65000 | 66234 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 80 | QPSK | 1 | 1 | 3745.02 | 3840 | 3924.01 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 80 | QPSK | 1 | 1 | 64934 | 65000 | 66268 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 70 | QPSK | 1 | 1 | 3740.01 | 3840 | 3940.02 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 70 | QPSK | 1 | 1 | 23.51 | 23.54 | 23.48 | 25.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 60 | QPSK | 1 | 1 | 64968 | 65000 | 66334 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 60 | QPSK | 1 | 1 | 3745.02 | 3840 | 3924.01 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 60 | QPSK | 1 | 1 | 64934 | 65000 | 66368 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 50 | QPSK | 1 | 1 | 3725.01 | 3840 | 3950.02 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 50 | QPSK | 1 | 1 | 23.54 | 23.58 | 23.53 | 25.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 40 | QPSK | 1 | 1 | 64968 | 65000 | 66434 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 40 | QPSK | 1 | 1 | 3740.01 | 3840 | 3950 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 40 | QPSK | 1 | 1 | 23.44 | 23.53 | 23.47 | 25.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 30 | QPSK | 1 | 1 | 64768 | 65000 | 66434 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 30 | QPSK | 1 | 1 | 3745.02 | 3840 | 3924.01 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 30 | QPSK | 1 | 1 | 23.54 | 23.51 | 23.49 | 25.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 25 | QPSK | 1 | 1 | 64700 | 65000 | 66400 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 25 | QPSK | 1 | 1 | 3742.5 | 3840 | 3927.5 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 25 | QPSK | 1 | 1 | 23.46 | 23.50 | 23.48 | 25.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 1 | 64734 | 65000 | 66368 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 1 | 3710.01 | 3840 | 3970.02 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 1 | 23.44 | 23.54 | 23.49 | 25.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 1 | 64768 | 65000 | 66434 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 1 | 3745.02 | 3840 | 3924.01 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 1 | 23.56 | 23.52 | 23.43 | 25.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 1 | 64700 | 65000 | 66500 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 1 | 3705 | 3840 | 3975 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 1 | 23.48 | 23.62 | 23.41 | 25.0 | 0.0 | |

| Part27Q n77 Main PA Ant1 | | | | | | | | | |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 100 | PI2 BPSK | 1 | 1 | | 3000.01 | | | | |
| 100 | PI2 BPSK | 1 | 137 | | 20.83 | | 22.0 | 0.0 | |
| 100 | PI2 BPSK | 1 | 271 | | 20.73 | | | | |
| 100 | PI2 BPSK | 135 | 0 | | 20.59 | | | | |
| 100 | PI2 BPSK | 135 | 69 | | 20.68 | | 22.0 | 0.0 | |
| 100 | PI2 BPSK | 135 | 138 | | 20.81 | | 22.0 | 0.0 | |
| 100 | PI2 BPSK | 270 | 0 | | 20.65 | | 22.0 | 0.0 | |
| 100 | QPSK | 1 | 1 | | 20.63 | | | | |
| 100 | QPSK | 1 | 137 | | 20.86 | | 22.0 | 0.0 | |
| 100 | QPSK | 1 | 271 | | 20.69 | | | | |
| 100 | QPSK | 135 | 0 | | 20.78 | | 22.0 | 0.0 | |
| 100 | QPSK | 135 | 69 | | 20.64 | | 22.0 | 0.0 | |
| 100 | QPSK | 135 | 138 | | 20.80 | | 22.0 | 0.0 | |
| 100 | QPSK | 270 | 0 | | 20.63 | | 22.0 | 0.0 | |
| 100 | QPSK | 270 | 0 | | 20.70 | | 22.0 | 0.0 | |
| 100 | 64QAM | 1 | 1 | | 20.43 | | 22.0 | 0.0 | |
| 100 | 64QAM | 1 | 1 | | 20.23 | | 22.0 | 0.0 | |
| 100 | 256QAM | 1 | 1 | | 18.21 | | 20.5 | 1.5 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 50 | QPSK | 1 | 1 | 63300 | 63334 | 63668 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 80 | QPSK | 1 | 1 | 3482 | 3500.01 | 3520.02 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 80 | QPSK | 1 | 1 | 63268 | 63334 | 63600 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 70 | QPSK | 1 | 1 | 3480.02 | 3500.01 | 3510 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 70 | QPSK | 1 | 1 | 20.74 | 20.74 | 20.73 | 22.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 60 | QPSK | 1 | 1 | 63234 | 63334 | 63434 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 60 | QPSK | 1 | 1 | 3485.01 | 3500.01 | 3515.01 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 60 | QPSK | 1 | 1 | 20.73 | 20.78 | 20.71 | 22.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 50 | QPSK | 1 | 1 | 63200 | 63334 | 63668 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 50 | QPSK | 1 | 1 | 3482 | 3500.01 | 3520.02 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 50 | QPSK | 1 | 1 | 63168 | 63334 | 63500 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 50 | QPSK | 1 | 1 | 3475.02 | 3500.01 | 3525 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 40 | QPSK | 1 | 1 | 20.76 | 20.73 | 20.65 | 22.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 40 | QPSK | 1 | 1 | 63100 | 63334 | 63568 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 40 | QPSK | 1 | 1 | 3477 | 3500.01 | 3520.02 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 30 | QPSK | 1 | 1 | 20.77 | 20.83 | 20.74 | 22.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 30 | QPSK | 1 | 1 | 63084 | 63334 | 63584 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 30 | QPSK | 1 | 1 | 3482.51 | 3500.01 | 3537.51 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 25 | QPSK | 1 | 1 | 20.75 | 20.76 | 20.68 | 22.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 25 | QPSK | 1 | 1 | 63058 | 63334 | 63500 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 25 | QPSK | 1 | 1 | 3480.02 | 3500.01 | 3540 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 1 | 20.70 | 20.78 | 20.65 | 22.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 1 | 63050 | 63334 | 63618 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 1 | 3477.5 | 3500.01 | 3542.52 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 1 | 20.73 | 20.72 | 20.69 | 22.0 | 0.0 | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 1 | 63034 | 63334 | 63634 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 1 | 3455.01 | 3500.01 | 3545.01 | Unsup limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 1 | 20.74 | 20.75 | 20.62 | 22.0 | 0.0 | |

| Part27Q n77 PC2 Main PA Ant1 | | | | | | | | | |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 100 | PI2 BPSK | 1 | 1 | | 3000.01 | | | | |
| 100 | PI2 BPSK | 1 | 137 | | 23.29 | | 25.0 | 0.0 | |
| 100 | PI2 BPSK | 1 | 271 | | 23.82 | | | | |
| 100 | PI2 BPSK | 135 | 0 | | 23.75 | | | | |
| 100 | PI2 BPSK | 135 | 69 | | 23.39 | | 24.5 | 0.5 | |
| 100 | PI2 BPSK | 135 | 138 | | 23.80 | | 25.0 | 0.0 | |
| 100 | PI2 BPSK | 270 | 0 | | 23.28 | | 24.5 | 0.5 | |
| 100 | QPSK | 1 | 1 | | 23.88 | | | | |
| 100 | QPSK | 1 | 137 | | 23.80 | | 25.0 | 0.0 | |
| 100 | QPSK | 1 | 271 | | 23.86 | | | | |
| 100 | QPSK | 135 | 0 | | 22.81 | | 24.0 | | |



| Part270 n78 Main PA Ant1 | | | | | | | | | |
|--------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|-----|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 650000 | 650000 | 650000 | | | |
| Frequency (MHz) | | | | 3750 | 3750 | 3750 | | | |
| 100 | PV2 BPSK | 1 | 1 | | 22.15 | | | | |
| 100 | PV2 BPSK | 1 | 137 | | 22.06 | | 23.0 | 0.0 | |
| 100 | PV2 BPSK | 1 | 271 | | 22.03 | | | | |
| 100 | PV2 BPSK | 135 | 0 | | 21.95 | | 23.0 | 0.0 | |
| 100 | PV2 BPSK | 135 | 69 | | 22.19 | | 23.0 | 0.0 | |
| 100 | PV2 BPSK | 135 | 138 | | 21.97 | | | | |
| 100 | PV2 BPSK | 270 | 0 | | 22.03 | | 23.0 | 0.0 | |
| 100 | QPSK | 1 | 1 | | 22.22 | | | | |
| 100 | QPSK | 1 | 137 | | 22.05 | | 23.0 | 0.0 | |
| 100 | QPSK | 1 | 271 | | 22.03 | | | | |
| 100 | QPSK | 135 | 0 | | 22.07 | | 23.0 | 0.0 | |
| 100 | QPSK | 135 | 69 | | 22.13 | | 23.0 | 0.0 | |
| 100 | QPSK | 135 | 138 | | 21.99 | | 23.0 | 0.0 | |
| 100 | QPSK | 270 | 0 | | 22.10 | | 23.0 | 0.0 | |
| 100 | 16QAM | 1 | 1 | | 22.90 | | 23.0 | 0.0 | |
| 100 | 64QAM | 1 | 1 | | 21.99 | | 23.0 | 0.0 | |
| 100 | 256QAM | 1 | 1 | | 20.57 | | 21.5 | 1.5 | |
| Channel | | | | 649668 | 650000 | 650334 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3742.02 | 3750 | 3760.01 | | | |
| 90 | QPSK | 1 | 1 | | 22.08 | 22.16 | 22.05 | 23.0 | 0.0 |
| Channel | | | | 649334 | 650000 | 650668 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3740.01 | 3750 | 3760.02 | | | |
| 80 | QPSK | 1 | 1 | | 22.09 | 22.15 | 21.99 | 23.0 | 0.0 |
| Channel | | | | 649000 | 650000 | 651000 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3735 | 3750 | 3765 | | | |
| 70 | QPSK | 1 | 1 | | 22.10 | 22.09 | 21.99 | 23.0 | 0.0 |
| Channel | | | | 648668 | 650000 | 651334 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3732.02 | 3750 | 3763.01 | | | |
| 60 | QPSK | 1 | 1 | | 22.04 | 22.15 | 22.02 | 23.0 | 0.0 |
| Channel | | | | 648334 | 650000 | 651668 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3726.01 | 3750 | 3776.02 | | | |
| 50 | QPSK | 1 | 1 | | 22.04 | 22.19 | 22.07 | 23.0 | 0.0 |
| Channel | | | | 648000 | 650000 | 652000 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3720 | 3750 | 3790 | | | |
| 40 | QPSK | 1 | 1 | | 22.04 | 22.16 | 22.00 | 23.0 | 0.0 |
| Channel | | | | 647668 | 650000 | 652334 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3712.02 | 3750 | 3763.01 | | | |
| 30 | QPSK | 1 | 1 | | 22.14 | 22.08 | 21.97 | 23.0 | 0.0 |
| Channel | | | | 647000 | 650000 | 652500 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3712.5 | 3750 | 3787.5 | | | |
| 25 | QPSK | 1 | 1 | | 22.06 | 22.11 | 22.04 | 23.0 | 0.0 |
| Channel | | | | 646334 | 650000 | 652834 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3710.01 | 3750 | 3790.02 | | | |
| 20 | QPSK | 1 | 1 | | 22.06 | 22.12 | 22.05 | 23.0 | 0.0 |
| Channel | | | | 647168 | 650000 | 652834 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3707.52 | 3750 | 3782.51 | | | |
| 15 | QPSK | 1 | 1 | | 22.04 | 22.16 | 22.03 | 23.0 | 0.0 |
| Channel | | | | 647000 | 650000 | 653000 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3705 | 3750 | 3795 | | | |
| 10 | QPSK | 1 | 1 | | 22.08 | 22.08 | 21.98 | 23.0 | 0.0 |

| Part270 n78 PC2 Main PA Ant1 | | | | | | | | | |
|------------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|-----|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 650000 | 650000 | 650000 | | | |
| Frequency (MHz) | | | | 3750 | 3750 | 3750 | | | |
| 100 | PV2 BPSK | 1 | 1 | | 23.07 | | | | |
| 100 | PV2 BPSK | 1 | 137 | | 23.02 | | 28.0 | 0.0 | |
| 100 | PV2 BPSK | 1 | 271 | | 24.96 | | | | |
| 100 | PV2 BPSK | 135 | 0 | | 24.70 | | 25.5 | 0.5 | |
| 100 | PV2 BPSK | 135 | 69 | | 24.99 | | 26.0 | 0.0 | |
| 100 | PV2 BPSK | 135 | 138 | | 24.90 | | | | |
| 100 | PV2 BPSK | 270 | 0 | | 24.54 | | 25.5 | 0.5 | |
| 100 | QPSK | 1 | 1 | | 25.11 | | | | |
| 100 | QPSK | 1 | 137 | | 25.01 | | 26.0 | 0.0 | |
| 100 | QPSK | 1 | 271 | | 25.04 | | | | |
| 100 | QPSK | 135 | 0 | | 24.02 | | 25.0 | 1.0 | |
| 100 | QPSK | 135 | 69 | | 25.09 | | 26.0 | 0.0 | |
| 100 | QPSK | 135 | 138 | | 24.05 | | 25.0 | 1.0 | |
| 100 | QPSK | 270 | 0 | | 23.99 | | 25.0 | 1.0 | |
| 100 | 16QAM | 1 | 1 | | 24.07 | | 26.0 | 1.0 | |
| 100 | 64QAM | 1 | 1 | | 22.20 | | 23.5 | 2.5 | |
| 100 | 256QAM | 1 | 1 | | 20.88 | | 21.5 | 4.5 | |
| Channel | | | | 649668 | 650000 | 650334 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3742.02 | 3750 | 3763.01 | | | |
| 90 | QPSK | 1 | 1 | | 25.01 | 24.98 | 23.00 | 23.0 | 0.0 |
| Channel | | | | 649334 | 650000 | 650668 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3740.01 | 3750 | 3760.02 | | | |
| 80 | QPSK | 1 | 1 | | 25.04 | 24.99 | 24.90 | 26.0 | 0.0 |
| Channel | | | | 649000 | 650000 | 651000 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3735 | 3750 | 3765 | | | |
| 70 | QPSK | 1 | 1 | | 24.98 | 25.03 | 24.88 | 26.0 | 0.0 |
| Channel | | | | 648668 | 650000 | 651334 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3732.02 | 3750 | 3763.01 | | | |
| 60 | QPSK | 1 | 1 | | 24.93 | 24.98 | 24.95 | 26.0 | 0.0 |
| Channel | | | | 648334 | 650000 | 651668 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3726.01 | 3750 | 3776.02 | | | |
| 50 | QPSK | 1 | 1 | | 25.03 | 24.98 | 24.93 | 26.0 | 0.0 |
| Channel | | | | 648000 | 650000 | 652000 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3720 | 3750 | 3790 | | | |
| 40 | QPSK | 1 | 1 | | 24.94 | 25.05 | 24.94 | 26.0 | 0.0 |
| Channel | | | | 647668 | 650000 | 652334 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3712.02 | 3750 | 3763.01 | | | |
| 30 | QPSK | 1 | 1 | | 24.97 | 25.03 | 24.98 | 26.0 | 0.0 |
| Channel | | | | 647000 | 650000 | 652500 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3712.5 | 3750 | 3787.5 | | | |
| 25 | QPSK | 1 | 1 | | 24.94 | 24.99 | 24.99 | 26.0 | 0.0 |
| Channel | | | | 646334 | 650000 | 652834 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3710.01 | 3750 | 3790.02 | | | |
| 20 | QPSK | 1 | 1 | | 24.94 | 24.98 | 24.88 | 26.0 | 0.0 |
| Channel | | | | 647168 | 650000 | 652834 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3707.52 | 3750 | 3782.51 | | | |
| 15 | QPSK | 1 | 1 | | 25.02 | 24.99 | 24.96 | 26.0 | 0.0 |
| Channel | | | | 647000 | 650000 | 653000 | time-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 3705 | 3750 | 3795 | | | |
| 10 | QPSK | 1 | 1 | | 25.02 | 25.05 | 24.94 | 26.0 | 0.0 |



| Part27Q n78 Main PA Ant1 | | | | | | | |
|--------------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 633334] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 633334] | MPR (dB) |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 100 | Pi/2 BPSK | 1 | 1 | 22.25 | 3500.01 | | |
| 100 | Pi/2 BPSK | 1 | 137 | 22.17 | | | 23.0 |
| 100 | Pi/2 BPSK | 1 | 271 | 22.17 | | | |
| 100 | Pi/2 BPSK | 135 | 0 | 22.09 | | | 23.0 |
| 100 | Pi/2 BPSK | 135 | 69 | 22.27 | | | 23.0 |
| 100 | Pi/2 BPSK | 135 | 138 | 22.10 | | | 23.0 |
| 100 | Pi/2 BPSK | 270 | 0 | 22.09 | | | 23.0 |
| 100 | QPSK | 1 | 1 | 22.30 | | | |
| 100 | QPSK | 1 | 137 | 22.19 | | | 23.0 |
| 100 | QPSK | 1 | 271 | 22.17 | | | |
| 100 | QPSK | 135 | 0 | 22.16 | | | 23.0 |
| 100 | QPSK | 135 | 69 | 22.23 | | | 23.0 |
| 100 | QPSK | 135 | 138 | 22.07 | | | 23.0 |
| 100 | QPSK | 270 | 0 | 22.19 | | | 23.0 |
| 100 | 16QAM | 1 | 1 | 22.08 | | | 23.0 |
| 100 | 16QAM | 1 | 1 | 21.85 | | | 23.0 |
| 100 | 256QAM | 1 | 1 | 20.68 | | | 21.5 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 90 | QPSK | 1 | 1 | 22.06 | 633000 | 633334 | 633668 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 80 | QPSK | 1 | 1 | 22.13 | 3490.02 | 3500.01 | 3510.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 70 | QPSK | 1 | 1 | 22.13 | 3485.01 | 3500.01 | 3515.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 60 | QPSK | 1 | 1 | 22.14 | 631668 | 633334 | 634998 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 50 | QPSK | 1 | 1 | 22.08 | 631668 | 633334 | 635000 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 40 | QPSK | 1 | 1 | 22.12 | 3470.01 | 3500.01 | 3530.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 30 | QPSK | 1 | 1 | 22.05 | 631000 | 633334 | 633668 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 25 | QPSK | 1 | 1 | 22.17 | 3462.51 | 3500.01 | 3537.51 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 20 | QPSK | 1 | 1 | 22.10 | 3460.02 | 3500.01 | 3540.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 15 | QPSK | 1 | 1 | 22.11 | 630500 | 633334 | 636168 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 10 | QPSK | 1 | 1 | 22.10 | 3456.01 | 3500.01 | 3545.01 |

| Part27Q n78 PC2 Main PA Ant1 | | | | | | | |
|------------------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 633334] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 633334] | MPR (dB) |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 100 | Pi/2 BPSK | 1 | 1 | 24.57 | 3500.01 | | |
| 100 | Pi/2 BPSK | 1 | 137 | 24.93 | | | 28.0 |
| 100 | Pi/2 BPSK | 1 | 271 | 24.92 | | | |
| 100 | Pi/2 BPSK | 135 | 0 | 24.80 | | | 25.5 |
| 100 | Pi/2 BPSK | 135 | 69 | 24.92 | | | 26.0 |
| 100 | Pi/2 BPSK | 135 | 138 | 24.44 | | | 25.5 |
| 100 | Pi/2 BPSK | 270 | 0 | 24.48 | | | 25.5 |
| 100 | QPSK | 1 | 1 | 25.04 | | | |
| 100 | QPSK | 1 | 137 | 24.98 | | | 26.0 |
| 100 | QPSK | 1 | 271 | 24.96 | | | |
| 100 | QPSK | 135 | 0 | 23.97 | | | 25.0 |
| 100 | QPSK | 135 | 69 | 24.96 | | | 26.0 |
| 100 | QPSK | 135 | 138 | 23.90 | | | 25.0 |
| 100 | QPSK | 270 | 0 | 23.94 | | | 25.0 |
| 100 | 16QAM | 1 | 1 | 23.94 | | | 25.0 |
| 100 | 16QAM | 1 | 1 | 22.10 | | | 23.5 |
| 100 | 256QAM | 1 | 1 | 20.60 | | | 21.5 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 90 | QPSK | 1 | 1 | 24.88 | 633000 | 633334 | 633668 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 80 | QPSK | 1 | 1 | 24.87 | 3490.02 | 3500.01 | 3510.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 70 | QPSK | 1 | 1 | 24.90 | 3485.01 | 3500.01 | 3515.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 60 | QPSK | 1 | 1 | 24.99 | 631668 | 633334 | 634998 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 50 | QPSK | 1 | 1 | 24.97 | 631668 | 633334 | 635000 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 40 | QPSK | 1 | 1 | 24.90 | 3470.01 | 3500.01 | 3530.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 30 | QPSK | 1 | 1 | 24.90 | 631000 | 633334 | 633668 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 25 | QPSK | 1 | 1 | 24.92 | 3462.51 | 3500.01 | 3537.51 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 20 | QPSK | 1 | 1 | 24.96 | 3460.02 | 3500.01 | 3540.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 15 | QPSK | 1 | 1 | 24.96 | 630500 | 633334 | 636168 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 10 | QPSK | 1 | 1 | 24.86 | 3456.01 | 3500.01 | 3545.01 |



| n7 Main PA Ant2 | | | | | | | |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 505000 | Power Middle Ch. / Freq. 507000 | Power High Ch. / Freq. 509000 | MPR (dB) |
| Channel | | | | 2525 | 2535 | 2545 | |
| Frequency (MHz) | | | | 2525 | 2535 | 2545 | |
| 50 | PI/2 BPSK | 1 | 1 | 24.82 | 24.86 | 24.75 | |
| 50 | PI/2 BPSK | 1 | 135 | 24.67 | 24.76 | 24.71 | 25.7 |
| 50 | PI/2 BPSK | 1 | 268 | 24.49 | 24.69 | 24.54 | 0.0 |
| 50 | PI/2 BPSK | 135 | 0 | 24.29 | 24.39 | 24.28 | 25.2 |
| 50 | PI/2 BPSK | 135 | 68 | 24.79 | 24.82 | 24.72 | 25.7 |
| 50 | PI/2 BPSK | 135 | 135 | 24.26 | 24.34 | 24.31 | 25.2 |
| 50 | PI/2 BPSK | 270 | 0 | 24.28 | 24.40 | 24.39 | |
| 50 | QPSK | 1 | 1 | 24.88 | 24.82 | 24.83 | 0.0 |
| 50 | QPSK | 1 | 135 | 24.76 | 24.82 | 24.78 | 25.7 |
| 50 | QPSK | 1 | 268 | 24.67 | 24.73 | 24.71 | |
| 50 | QPSK | 135 | 0 | 23.78 | 23.91 | 23.81 | 24.7 |
| 50 | QPSK | 135 | 68 | 24.72 | 24.85 | 24.73 | 25.7 |
| 50 | QPSK | 135 | 135 | 23.76 | 23.83 | 23.81 | 24.7 |
| 50 | QPSK | 270 | 0 | 23.83 | 23.99 | 23.96 | |
| 50 | 16QAM | 1 | 1 | 23.71 | 23.81 | 23.85 | 24.7 |
| 50 | 64QAM | 1 | 1 | 22.21 | 22.29 | 22.28 | 23.2 |
| 50 | 256QAM | 1 | 1 | 20.32 | 20.49 | 20.44 | 21.2 |
| Channel | | | | 504000 | 507000 | 510000 | |
| Frequency (MHz) | | | | 504000 | 507000 | 510000 | |
| 40 | QPSK | 1 | 1 | 24.75 | 24.85 | 24.75 | 25.7 |
| Channel | | | | 503000 | 507000 | 511000 | |
| Frequency (MHz) | | | | 503000 | 507000 | 511000 | |
| 30 | QPSK | 1 | 1 | 24.74 | 24.86 | 24.69 | 25.7 |
| Channel | | | | 502500 | 507000 | 511500 | |
| Frequency (MHz) | | | | 502500 | 507000 | 511500 | |
| 25 | QPSK | 1 | 1 | 24.76 | 24.80 | 24.74 | 25.7 |
| Channel | | | | 502000 | 507000 | 512000 | |
| Frequency (MHz) | | | | 502000 | 507000 | 512000 | |
| 20 | QPSK | 1 | 1 | 24.76 | 24.88 | 24.72 | 25.7 |
| Channel | | | | 501500 | 507000 | 512500 | |
| Frequency (MHz) | | | | 501500 | 507000 | 512500 | |
| 15 | QPSK | 1 | 1 | 24.83 | 24.77 | 24.78 | 25.7 |
| Channel | | | | 501000 | 507000 | 513000 | |
| Frequency (MHz) | | | | 501000 | 507000 | 513000 | |
| 10 | QPSK | 1 | 1 | 24.84 | 24.78 | 24.75 | 25.7 |
| Channel | | | | 500500 | 507000 | 513500 | |
| Frequency (MHz) | | | | 500500 | 507000 | 513500 | |
| 5 | QPSK | 1 | 1 | 24.81 | 24.79 | 24.70 | 25.7 |

| n66 Main PA Ant2 | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|----------|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 346500 | Power Middle Ch. / Freq. 349000 | Power High Ch. / Freq. 351500 | MPR (dB) |
| Channel | | | | 1732.5 | 1745 | 1767.5 | |
| Frequency (MHz) | | | | 1732.5 | 1745 | 1767.5 | |
| 45 | PI/2 BPSK | 1 | 1 | 23.79 | 23.87 | 23.75 | |
| 45 | PI/2 BPSK | 1 | 120 | 23.72 | 23.81 | 23.71 | 24.5 |
| 45 | PI/2 BPSK | 1 | 243 | 23.47 | 23.65 | 23.55 | 0.0 |
| 45 | PI/2 BPSK | 120 | 0 | 23.28 | 23.40 | 23.23 | 24.0 |
| 45 | PI/2 BPSK | 120 | 60 | 23.75 | 23.86 | 23.66 | 24.5 |
| 45 | PI/2 BPSK | 120 | 120 | 23.26 | 23.35 | 23.24 | 24.0 |
| 45 | PI/2 BPSK | 240 | 0 | 23.28 | 23.45 | 23.34 | |
| 45 | QPSK | 1 | 1 | 23.86 | 23.90 | 23.83 | |
| 45 | QPSK | 1 | 120 | 23.75 | 23.79 | 23.71 | 24.5 |
| 45 | QPSK | 1 | 243 | 23.59 | 23.80 | 23.64 | |
| 45 | QPSK | 120 | 0 | 22.71 | 22.89 | 22.80 | 23.5 |
| 45 | QPSK | 120 | 60 | 23.67 | 23.82 | 23.72 | 24.5 |
| 45 | QPSK | 120 | 120 | 22.73 | 22.88 | 22.74 | 23.5 |
| 45 | QPSK | 240 | 0 | 22.85 | 23.01 | 22.92 | |
| 45 | 16QAM | 1 | 1 | 22.74 | 22.79 | 22.81 | 23.5 |
| 45 | 64QAM | 1 | 1 | 21.20 | 21.20 | 21.15 | 22.0 |
| 45 | 256QAM | 1 | 1 | 19.30 | 19.44 | 19.39 | 20.0 |
| Channel | | | | 346000 | 349000 | 352000 | |
| Frequency (MHz) | | | | 346000 | 349000 | 352000 | |
| 40 | QPSK | 1 | 1 | 23.84 | 23.79 | 23.69 | 24.5 |
| Channel | | | | 345500 | 349000 | 352500 | |
| Frequency (MHz) | | | | 345500 | 349000 | 352500 | |
| 35 | QPSK | 1 | 1 | 23.78 | 23.87 | 23.81 | 24.5 |
| Channel | | | | 345000 | 349000 | 353000 | |
| Frequency (MHz) | | | | 345000 | 349000 | 353000 | |
| 30 | QPSK | 1 | 1 | 23.78 | 23.81 | 23.73 | 24.5 |
| Channel | | | | 344500 | 349000 | 353500 | |
| Frequency (MHz) | | | | 344500 | 349000 | 353500 | |
| 25 | QPSK | 1 | 1 | 23.75 | 23.85 | 23.71 | 24.5 |
| Channel | | | | 344000 | 349000 | 354000 | |
| Frequency (MHz) | | | | 344000 | 349000 | 354000 | |
| 20 | QPSK | 1 | 1 | 23.80 | 23.77 | 23.70 | 24.5 |
| Channel | | | | 343500 | 349000 | 354500 | |
| Frequency (MHz) | | | | 343500 | 349000 | 354500 | |
| 15 | QPSK | 1 | 1 | 23.80 | 23.80 | 23.76 | 24.5 |
| Channel | | | | 343000 | 349000 | 355000 | |
| Frequency (MHz) | | | | 343000 | 349000 | 355000 | |
| 10 | QPSK | 1 | 1 | 23.82 | 23.87 | 23.76 | 24.5 |
| Channel | | | | 342500 | 349000 | 355500 | |
| Frequency (MHz) | | | | 342500 | 349000 | 355500 | |
| 5 | QPSK | 1 | 1 | 23.72 | 23.75 | 23.73 | 24.5 |



| n38 Main PA Ant2 | | | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 518004 | Power Middle Ch. / Freq. 519000 | Power High Ch. / Freq. 519998 | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2590.02 | 2595 | 2599.98 | | | |
| Frequency (MHz) | | | | 2590.02 | 2595 | 2599.98 | | | |
| 40 | PI/2 BPSK | 1 | 1 | 25.11 | 25.25 | 25.21 | | | |
| 40 | PI/2 BPSK | 1 | 53 | 25.00 | 25.12 | 25.02 | 25.7 | 0.0 | |
| 40 | PI/2 BPSK | 1 | 104 | 24.99 | 25.02 | 24.93 | | | |
| 40 | PI/2 BPSK | 50 | 0 | 24.71 | 24.81 | 24.77 | 25.2 | 0.5 | |
| 40 | PI/2 BPSK | 50 | 28 | 25.16 | 25.19 | 25.15 | 25.7 | 0.0 | |
| 40 | PI/2 BPSK | 50 | 56 | 24.64 | 24.73 | 24.64 | 25.2 | 0.5 | |
| 40 | PI/2 BPSK | 100 | 0 | 24.75 | 24.87 | 24.74 | | | |
| 40 | QPSK | 1 | 1 | 25.20 | 25.29 | 25.26 | | | |
| 40 | QPSK | 1 | 53 | 25.09 | 25.21 | 25.15 | 25.7 | 0.0 | |
| 40 | QPSK | 1 | 104 | 25.13 | 25.16 | 25.13 | | | |
| 40 | QPSK | 50 | 0 | 24.29 | 24.34 | 24.27 | 24.7 | 1.0 | |
| 40 | QPSK | 50 | 28 | 25.15 | 25.22 | 25.11 | 25.7 | 0.0 | |
| 40 | QPSK | 50 | 56 | 24.26 | 24.30 | 24.16 | 24.7 | 1.0 | |
| 40 | QPSK | 100 | 0 | 24.32 | 24.41 | 24.29 | | | |
| 40 | 16QAM | 1 | 1 | 24.12 | 24.22 | 24.08 | 24.7 | 1.0 | |
| 40 | 64QAM | 1 | 1 | 22.50 | 22.63 | 22.56 | 23.2 | 2.5 | |
| 40 | 256QAM | 1 | 1 | 20.73 | 20.85 | 20.77 | 21.2 | 4.5 | |
| Channel | | | | 517002 | 519000 | 520998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 517002 | 519000 | 520998 | | | |
| 30 | QPSK | 1 | 1 | 25.10 | 25.19 | 25.22 | 25.7 | 0.0 | |
| Channel | | | | 516504 | 519000 | 521498 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 516504 | 519000 | 521498 | | | |
| 25 | QPSK | 1 | 1 | 25.10 | 25.16 | 25.14 | 25.7 | 0.0 | |
| Channel | | | | 516000 | 519000 | 522000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 516000 | 519000 | 522000 | | | |
| 20 | QPSK | 1 | 1 | 25.15 | 25.24 | 25.19 | 25.7 | 0.0 | |
| Channel | | | | 515502 | 519000 | 522498 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 515502 | 519000 | 522498 | | | |
| 15 | QPSK | 1 | 1 | 25.06 | 25.21 | 25.11 | 25.7 | 0.0 | |
| Channel | | | | 515004 | 519000 | 522998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 515004 | 519000 | 522998 | | | |
| 10 | QPSK | 1 | 1 | 25.16 | 25.26 | 25.19 | 25.7 | 0.0 | |

| n41 Main PA Ant2 | | | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 509202 | Power Middle Ch. / Freq. 518598 | Power High Ch. / Freq. 529000 | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2546.01 | 2592.99 | 2640 | | | |
| Frequency (MHz) | | | | 2546.01 | 2592.99 | 2640 | | | |
| 100 | PI/2 BPSK | 1 | 1 | 25.20 | 25.33 | 25.30 | | | |
| 100 | PI/2 BPSK | 1 | 137 | 25.07 | 25.19 | 25.18 | 25.7 | 0.0 | |
| 100 | PI/2 BPSK | 1 | 271 | 25.04 | 25.19 | 24.99 | | | |
| 100 | PI/2 BPSK | 135 | 0 | 24.85 | 24.90 | 24.93 | 25.2 | 0.5 | |
| 100 | PI/2 BPSK | 135 | 69 | 25.31 | 25.24 | 25.21 | 25.7 | 0.0 | |
| 100 | PI/2 BPSK | 135 | 138 | 24.70 | 24.85 | 24.73 | 25.2 | 0.5 | |
| 100 | PI/2 BPSK | 270 | 0 | 24.88 | 25.01 | 24.91 | | | |
| 100 | QPSK | 1 | 1 | 25.27 | 25.38 | 25.36 | | | |
| 100 | QPSK | 1 | 137 | 25.24 | 25.37 | 25.28 | 25.7 | 0.0 | |
| 100 | QPSK | 1 | 271 | 25.18 | 25.28 | 25.18 | | | |
| 100 | QPSK | 135 | 0 | 24.46 | 24.43 | 24.41 | 24.7 | 1.0 | |
| 100 | QPSK | 135 | 69 | 25.20 | 25.35 | 25.22 | 25.7 | 0.0 | |
| 100 | QPSK | 135 | 138 | 24.37 | 24.39 | 24.21 | 24.7 | 1.0 | |
| 100 | QPSK | 270 | 0 | 24.42 | 24.48 | 24.44 | | | |
| 100 | 16QAM | 1 | 1 | 24.21 | 24.31 | 24.14 | 24.7 | 1.0 | |
| 100 | 64QAM | 1 | 1 | 22.64 | 22.80 | 22.72 | 23.2 | 2.5 | |
| 100 | 256QAM | 1 | 1 | 20.80 | 21.00 | 20.83 | 21.2 | 4.5 | |
| Channel | | | | 508200 | 518598 | 528998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 508200 | 518598 | 528998 | | | |
| 90 | QPSK | 1 | 1 | 25.23 | 25.29 | 25.28 | 25.7 | 0.0 | |
| Channel | | | | 507204 | 518598 | 529098 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 507204 | 518598 | 529098 | | | |
| 80 | QPSK | 1 | 1 | 25.15 | 25.32 | 25.32 | 25.7 | 0.0 | |
| Channel | | | | 506202 | 518598 | 531000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 506202 | 518598 | 531000 | | | |
| 70 | QPSK | 1 | 1 | 25.18 | 25.25 | 23.21 | 25.7 | 0.0 | |
| Channel | | | | 505200 | 518598 | 531998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 505200 | 518598 | 531998 | | | |
| 60 | QPSK | 1 | 1 | 25.16 | 25.24 | 25.22 | 25.7 | 0.0 | |
| Channel | | | | 504204 | 518598 | 532998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 504204 | 518598 | 532998 | | | |
| 50 | QPSK | 1 | 1 | 25.17 | 25.30 | 25.30 | 25.7 | 0.0 | |
| Channel | | | | 503202 | 518598 | 534000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 503202 | 518598 | 534000 | | | |
| 40 | QPSK | 1 | 1 | 25.23 | 25.25 | 25.22 | 25.7 | 0.0 | |
| Channel | | | | 502200 | 518598 | 534998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 502200 | 518598 | 534998 | | | |
| 30 | QPSK | 1 | 1 | 25.14 | 25.25 | 25.32 | 25.7 | 0.0 | |
| Channel | | | | 501204 | 518598 | 535998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 501204 | 518598 | 535998 | | | |
| 20 | QPSK | 1 | 1 | 25.22 | 25.31 | 25.29 | 25.7 | 0.0 | |
| Channel | | | | 500200 | 518598 | 536998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 500200 | 518598 | 536998 | | | |
| 15 | QPSK | 1 | 1 | 25.23 | 25.28 | 25.31 | 25.7 | 0.0 | |
| Channel | | | | 500202 | 518598 | 537000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 500202 | 518598 | 537000 | | | |
| 10 | QPSK | 1 | 1 | 25.10 | 25.30 | 25.27 | 25.7 | 0.0 | |



| n7 Main PA Ant3 | | | | | | | | |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 505000 | Power Middle Ch. / Freq. 507000 | Power High Ch. / Freq. 509000 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 2525 | 2535 | 2545 | | |
| Frequency (MHz) | | | | | | | | |
| 50 | PI/2 BPSK | 1 | 1 | 22.64 | 22.89 | 22.55 | | |
| 50 | PI/2 BPSK | 1 | 135 | 22.48 | 22.59 | 22.55 | 24.0 | 0.0 |
| 50 | PI/2 BPSK | 1 | 268 | 22.29 | 22.42 | 22.27 | | |
| 50 | PI/2 BPSK | 135 | 0 | 22.04 | 22.18 | 22.10 | 23.5 | 0.5 |
| 50 | PI/2 BPSK | 135 | 68 | 22.54 | 22.64 | 22.54 | 24.0 | 0.0 |
| 50 | PI/2 BPSK | 135 | 135 | 22.05 | 22.16 | 22.09 | 23.5 | 0.5 |
| 50 | PI/2 BPSK | 270 | 0 | 22.12 | 22.23 | 22.09 | | |
| 50 | QPSK | 1 | 1 | 22.69 | 22.74 | 22.65 | | |
| 50 | QPSK | 1 | 135 | 22.60 | 22.67 | 22.53 | 24.0 | 0.0 |
| 50 | QPSK | 1 | 268 | 22.55 | 22.65 | 22.62 | | |
| 50 | QPSK | 135 | 0 | 21.62 | 21.72 | 21.59 | 23.0 | 1.0 |
| 50 | QPSK | 135 | 68 | 22.54 | 22.62 | 22.56 | 24.0 | 0.0 |
| 50 | QPSK | 135 | 135 | 21.63 | 21.73 | 21.64 | 23.0 | 1.0 |
| 50 | QPSK | 270 | 0 | 21.65 | 21.76 | 21.66 | | |
| 50 | 16QAM | 1 | 1 | 21.56 | 21.68 | 21.55 | 23.0 | 1.0 |
| 50 | 64QAM | 1 | 1 | 20.03 | 20.07 | 20.03 | 21.5 | 2.5 |
| 50 | 256QAM | 1 | 1 | 18.18 | 18.24 | 18.17 | 19.5 | 4.5 |
| Channel | | | | 504000 | 507000 | 510000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2525 | 2535 | 2550 | 24.0 | 0.0 |
| 40 | QPSK | 1 | 1 | 22.55 | 22.60 | 22.55 | | |
| Channel | | | | 503000 | 507000 | 511000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2515 | 2535 | 2555 | 24.0 | 0.0 |
| 30 | QPSK | 1 | 1 | 22.68 | 22.68 | 22.51 | 24.0 | 0.0 |
| Channel | | | | 502500 | 507000 | 511500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2512.5 | 2535 | 2572.5 | 24.0 | 0.0 |
| 25 | QPSK | 1 | 1 | 22.62 | 22.69 | 22.50 | 24.0 | 0.0 |
| Channel | | | | 502000 | 507000 | 512000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | 24.0 | 0.0 |
| 20 | QPSK | 1 | 1 | 22.57 | 22.70 | 22.60 | 24.0 | 0.0 |
| Channel | | | | 501500 | 507000 | 512500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | 24.0 | 0.0 |
| 15 | QPSK | 1 | 1 | 22.62 | 22.61 | 22.51 | 24.0 | 0.0 |
| Channel | | | | 501000 | 507000 | 513000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | 24.0 | 0.0 |
| 10 | QPSK | 1 | 1 | 22.55 | 22.60 | 22.52 | 24.0 | 0.0 |
| Channel | | | | 500500 | 507000 | 513500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | 24.0 | 0.0 |
| 5 | QPSK | 1 | 1 | 22.61 | 22.65 | 22.57 | 24.0 | 0.0 |

| n66 Main PA Ant3 | | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 346500 | Power Middle Ch. / Freq. 349000 | Power High Ch. / Freq. 351500 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 1732.5 | 1745 | 1767.5 | | |
| Frequency (MHz) | | | | | | | | |
| 45 | PI/2 BPSK | 1 | 1 | 21.67 | 21.71 | 21.82 | | |
| 45 | PI/2 BPSK | 1 | 120 | 21.60 | 21.63 | 21.59 | 23.5 | 0.0 |
| 45 | PI/2 BPSK | 1 | 243 | 21.52 | 21.59 | 21.53 | | |
| 45 | PI/2 BPSK | 120 | 0 | 21.06 | 21.22 | 21.07 | 23.0 | 0.5 |
| 45 | PI/2 BPSK | 120 | 60 | 21.59 | 21.70 | 21.58 | 23.5 | 0.0 |
| 45 | PI/2 BPSK | 120 | 120 | 21.02 | 21.18 | 21.12 | 23.0 | 0.5 |
| 45 | PI/2 BPSK | 240 | 0 | 21.16 | 21.28 | 21.06 | | |
| 45 | QPSK | 1 | 1 | 21.70 | 21.75 | 21.66 | | |
| 45 | QPSK | 1 | 120 | 21.58 | 21.70 | 21.64 | 23.5 | 0.0 |
| 45 | QPSK | 1 | 243 | 21.60 | 21.69 | 21.68 | | |
| 45 | QPSK | 120 | 0 | 20.69 | 20.78 | 20.57 | 22.5 | 1.0 |
| 45 | QPSK | 120 | 60 | 21.56 | 21.67 | 21.53 | 23.5 | 0.0 |
| 45 | QPSK | 120 | 120 | 20.60 | 20.72 | 20.66 | 22.5 | 1.0 |
| 45 | QPSK | 240 | 0 | 20.71 | 20.83 | 20.70 | | |
| 45 | 16QAM | 1 | 1 | 20.63 | 20.72 | 20.52 | 22.5 | 1.0 |
| 45 | 64QAM | 1 | 1 | 19.01 | 19.05 | 19.09 | 21.0 | 2.5 |
| 45 | 256QAM | 1 | 1 | 17.19 | 17.23 | 17.14 | 19.0 | 4.5 |
| Channel | | | | 346000 | 349000 | 352000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1730 | 1745 | 1760 | 23.5 | 0.0 |
| 40 | QPSK | 1 | 1 | 21.55 | 21.63 | 21.53 | | |
| Channel | | | | 345500 | 349000 | 352500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1727.5 | 1745 | 1762.5 | 23.5 | 0.0 |
| 35 | QPSK | 1 | 1 | 21.60 | 21.71 | 21.67 | 23.5 | 0.0 |
| Channel | | | | 345000 | 349000 | 353000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1725 | 1745 | 1765 | 23.5 | 0.0 |
| 30 | QPSK | 1 | 1 | 21.60 | 21.70 | 21.51 | 23.5 | 0.0 |
| Channel | | | | 344500 | 349000 | 353500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1722.5 | 1745 | 1767.5 | 23.5 | 0.0 |
| 25 | QPSK | 1 | 1 | 21.64 | 21.63 | 21.62 | 23.5 | 0.0 |
| Channel | | | | 344000 | 349000 | 354000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | 23.5 | 0.0 |
| 20 | QPSK | 1 | 1 | 21.56 | 21.64 | 21.51 | 23.5 | 0.0 |
| Channel | | | | 343500 | 349000 | 354500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | 23.5 | 0.0 |
| 15 | QPSK | 1 | 1 | 21.62 | 21.68 | 21.53 | 23.5 | 0.0 |
| Channel | | | | 343000 | 349000 | 355000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | 23.5 | 0.0 |
| 10 | QPSK | 1 | 1 | 21.57 | 21.70 | 21.59 | 23.5 | 0.0 |
| Channel | | | | 342500 | 349000 | 355500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | 23.5 | 0.0 |
| 5 | QPSK | 1 | 1 | 21.63 | 21.60 | 21.55 | 23.5 | 0.0 |



| n38 Main PA Ant3 | | | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 518004 | Power Middle Ch. / Freq. 519000 | Power High Ch. / Freq. 519996 | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2590.02 | 2595 | 2599.98 | | | |
| Frequency (MHz) | | | | 23.07 | 23.22 | 23.14 | | | |
| 40 | PI/2 BPSK | 1 | 1 | 23.07 | 23.22 | 23.14 | | | |
| 40 | PI/2 BPSK | 1 | 53 | 23.08 | 23.17 | 23.02 | 24.5 | 0.0 | |
| 40 | PI/2 BPSK | 1 | 104 | 22.92 | 23.08 | 23.02 | | | |
| 40 | PI/2 BPSK | 50 | 0 | 22.71 | 22.82 | 22.71 | 24.0 | 0.5 | |
| 40 | PI/2 BPSK | 50 | 28 | 23.13 | 23.19 | 23.14 | 24.5 | 0.0 | |
| 40 | PI/2 BPSK | 50 | 56 | 22.82 | 22.72 | 22.58 | 24.0 | 0.5 | |
| 40 | PI/2 BPSK | 100 | 0 | 22.75 | 22.84 | 22.74 | | | |
| 40 | QPSK | 1 | 1 | 23.18 | 23.28 | 23.22 | | | |
| 40 | QPSK | 1 | 53 | 23.12 | 23.24 | 23.14 | 24.5 | 0.0 | |
| 40 | QPSK | 1 | 104 | 23.17 | 23.23 | 23.19 | | | |
| 40 | QPSK | 50 | 0 | 22.31 | 22.35 | 22.21 | 23.5 | 1.0 | |
| 40 | QPSK | 50 | 28 | 23.10 | 23.21 | 23.18 | 24.5 | 0.0 | |
| 40 | QPSK | 50 | 56 | 22.06 | 22.17 | 22.06 | 23.5 | 1.0 | |
| 40 | QPSK | 100 | 0 | 22.23 | 22.28 | 22.13 | | | |
| 40 | 16QAM | 1 | 1 | 22.13 | 22.20 | 22.13 | 23.5 | 1.0 | |
| 40 | 64QAM | 1 | 1 | 20.82 | 20.85 | 20.82 | 22.0 | 2.5 | |
| 40 | 256QAM | 1 | 1 | 18.84 | 18.81 | 18.87 | 20.0 | 4.5 | |
| Channel | | | | 517002 | 519000 | 520998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2282.01 | 2595 | 2604.99 | | | |
| 30 | QPSK | 1 | 1 | 23.07 | 23.25 | 23.16 | 24.5 | 0.0 | |
| Channel | | | | 516504 | 519000 | 521496 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2682.52 | 2595 | 2607.48 | | | |
| 25 | QPSK | 1 | 1 | 23.03 | 23.22 | 23.12 | 24.5 | 0.0 | |
| Channel | | | | 516000 | 519000 | 522000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2550 | 2595 | 2610 | | | |
| 20 | QPSK | 1 | 1 | 23.01 | 23.14 | 23.12 | 24.5 | 0.0 | |
| Channel | | | | 515502 | 519000 | 522498 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2677.51 | 2595 | 2612.49 | | | |
| 15 | QPSK | 1 | 1 | 23.13 | 23.19 | 23.12 | 24.5 | 0.0 | |
| Channel | | | | 515004 | 519000 | 522996 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2673.02 | 2595 | 2614.98 | | | |
| 10 | QPSK | 1 | 1 | 23.11 | 23.17 | 23.08 | 24.5 | 0.0 | |

| n41 Main PA Ant3 | | | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 500202 | Power Middle Ch. / Freq. 518598 | Power High Ch. / Freq. 520000 | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2546.01 | 2592.99 | 2640 | | | |
| Frequency (MHz) | | | | 22.97 | 23.10 | 23.00 | | | |
| 100 | PI/2 BPSK | 1 | 1 | 22.97 | 23.10 | 23.00 | | | |
| 100 | PI/2 BPSK | 1 | 137 | 23.01 | 23.12 | 22.98 | 24.5 | 0.0 | |
| 100 | PI/2 BPSK | 1 | 271 | 22.78 | 23.02 | 22.80 | | | |
| 100 | PI/2 BPSK | 135 | 0 | 22.82 | 22.70 | 22.58 | 24.0 | 0.5 | |
| 100 | PI/2 BPSK | 135 | 69 | 23.07 | 23.10 | 23.03 | 24.5 | 0.0 | |
| 100 | PI/2 BPSK | 135 | 138 | 22.47 | 22.59 | 22.53 | 24.0 | 0.5 | |
| 100 | PI/2 BPSK | 270 | 0 | 22.88 | 22.69 | 22.60 | | | |
| 100 | QPSK | 1 | 1 | 23.14 | 23.19 | 23.08 | | | |
| 100 | QPSK | 1 | 137 | 23.09 | 23.14 | 23.04 | 24.5 | 0.0 | |
| 100 | QPSK | 1 | 271 | 23.00 | 23.10 | 23.05 | | | |
| 100 | QPSK | 135 | 0 | 22.23 | 22.28 | 22.13 | 23.5 | 1.0 | |
| 100 | QPSK | 135 | 69 | 22.99 | 23.14 | 23.09 | 24.5 | 0.0 | |
| 100 | QPSK | 135 | 138 | 21.95 | 22.09 | 21.82 | 23.5 | 1.0 | |
| 100 | QPSK | 270 | 0 | 22.10 | 22.21 | 21.98 | | | |
| 100 | 16QAM | 1 | 1 | 22.03 | 22.17 | 22.05 | 23.5 | 1.0 | |
| 100 | 64QAM | 1 | 1 | 20.50 | 20.58 | 20.55 | 22.0 | 2.5 | |
| 100 | 256QAM | 1 | 1 | 18.79 | 18.86 | 18.80 | 20.0 | 4.5 | |
| Channel | | | | 508200 | 518598 | 528998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2541 | 2592.99 | 2644.98 | | | |
| 90 | QPSK | 1 | 1 | 23.05 | 23.09 | 23.01 | 24.5 | 0.0 | |
| Channel | | | | 507204 | 518598 | 528998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2536.02 | 2592.99 | 2649.99 | | | |
| 80 | QPSK | 1 | 1 | 23.04 | 23.14 | 22.93 | 24.5 | 0.0 | |
| Channel | | | | 506202 | 518598 | 531000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2531.01 | 2592.99 | 2655 | | | |
| 70 | QPSK | 1 | 1 | 23.03 | 23.10 | 23.06 | 24.5 | 0.0 | |
| Channel | | | | 505200 | 518598 | 531998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2526 | 2592.99 | 2659.98 | | | |
| 60 | QPSK | 1 | 1 | 23.07 | 23.13 | 22.95 | 24.5 | 0.0 | |
| Channel | | | | 504204 | 518598 | 532998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2521.00 | 2592.99 | 2664.99 | | | |
| 50 | QPSK | 1 | 1 | 23.08 | 23.09 | 23.03 | 24.5 | 0.0 | |
| Channel | | | | 503202 | 518598 | 534000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2516.01 | 2592.99 | 2670 | | | |
| 40 | QPSK | 1 | 1 | 23.00 | 23.08 | 22.98 | 24.5 | 0.0 | |
| Channel | | | | 502200 | 518598 | 534998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2511 | 2592.99 | 2674.98 | | | |
| 30 | QPSK | 1 | 1 | 23.11 | 23.16 | 23.01 | 24.5 | 0.0 | |
| Channel | | | | 501204 | 518598 | 535998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2506.02 | 2592.99 | 2679.99 | | | |
| 20 | QPSK | 1 | 1 | 23.10 | 23.11 | 23.02 | 24.5 | 0.0 | |
| Channel | | | | 500200 | 518598 | 536998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2501.5 | 2592.99 | 2682.48 | | | |
| 15 | QPSK | 1 | 1 | 23.06 | 23.07 | 23.04 | 24.5 | 0.0 | |
| Channel | | | | 500202 | 518598 | 537000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2501.01 | 2592.99 | 2685 | | | |
| 10 | QPSK | 1 | 1 | 23.04 | 23.15 | 22.96 | 24.5 | 0.0 | |



| n7 Main PA Ant4 | | | | | | | | | |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 505000 | Power Middle Ch. / Freq. 507000 | Power High Ch. / Freq. 509000 | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2525 | 2535 | 2545 | | | |
| Frequency (MHz) | | | | 2525 | 2535 | 2545 | | | |
| 50 | PI/2 BPSK | 1 | 1 | 24.72 | 24.83 | 24.76 | | | |
| 50 | PI/2 BPSK | 1 | 135 | 24.64 | 24.81 | 24.58 | 25.5 | 0.0 | |
| 50 | PI/2 BPSK | 1 | 268 | 24.58 | 24.88 | 24.59 | | | |
| 50 | PI/2 BPSK | 135 | 0 | 24.29 | 24.41 | 24.34 | 25.0 | 0.5 | |
| 50 | PI/2 BPSK | 135 | 68 | 24.80 | 24.81 | 24.79 | 25.5 | 0.0 | |
| 50 | PI/2 BPSK | 135 | 135 | 24.27 | 24.38 | 24.19 | 25.0 | 0.5 | |
| 50 | PI/2 BPSK | 270 | 0 | 24.41 | 24.42 | 24.37 | | | |
| 50 | QPSK | 1 | 1 | 24.78 | 24.81 | 24.84 | | | |
| 50 | QPSK | 1 | 135 | 24.71 | 24.90 | 24.75 | 25.5 | 0.0 | |
| 50 | QPSK | 1 | 268 | 24.79 | 24.82 | 24.85 | | | |
| 50 | QPSK | 135 | 0 | 23.98 | 24.00 | 23.77 | 24.5 | 1.0 | |
| 50 | QPSK | 135 | 68 | 24.68 | 24.88 | 24.81 | 25.5 | 0.0 | |
| 50 | QPSK | 135 | 135 | 23.89 | 23.75 | 23.61 | 24.5 | 1.0 | |
| 50 | QPSK | 270 | 0 | 23.78 | 23.82 | 23.70 | | | |
| 50 | 16QAM | 1 | 1 | 23.78 | 23.78 | 23.73 | 24.5 | 1.0 | |
| 50 | 64QAM | 1 | 1 | 22.22 | 22.31 | 22.25 | 23.0 | 2.5 | |
| 50 | 256QAM | 1 | 1 | 20.42 | 20.54 | 20.46 | 21.0 | 4.5 | |
| Channel | | | | 504000 | 507000 | 510000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 504000 | 507000 | 510000 | | | |
| 40 | QPSK | 1 | 1 | 24.63 | 24.79 | 24.70 | 25.5 | 0.0 | |
| Channel | | | | 503000 | 507000 | 511000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 503000 | 507000 | 511000 | | | |
| 30 | QPSK | 1 | 1 | 24.65 | 24.84 | 24.76 | 25.5 | 0.0 | |
| Channel | | | | 502500 | 507000 | 511500 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 502500 | 507000 | 511500 | | | |
| 25 | QPSK | 1 | 1 | 24.64 | 24.79 | 24.73 | 25.5 | 0.0 | |
| Channel | | | | 503000 | 507000 | 512000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 503000 | 507000 | 512000 | | | |
| 20 | QPSK | 1 | 1 | 24.73 | 24.85 | 24.79 | 25.5 | 0.0 | |
| Channel | | | | 501500 | 507000 | 512500 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 501500 | 507000 | 512500 | | | |
| 15 | QPSK | 1 | 1 | 24.69 | 24.87 | 24.81 | 25.5 | 0.0 | |
| Channel | | | | 501000 | 507000 | 513000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 501000 | 507000 | 513000 | | | |
| 10 | QPSK | 1 | 1 | 24.67 | 24.77 | 24.75 | 25.5 | 0.0 | |
| Channel | | | | 500500 | 507000 | 513500 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 500500 | 507000 | 513500 | | | |
| 5 | QPSK | 1 | 1 | 24.63 | 24.85 | 24.71 | 25.5 | 0.0 | |

| n66 Main PA Ant4 | | | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 346500 | Power Middle Ch. / Freq. 349000 | Power High Ch. / Freq. 351500 | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 1732.5 | 1745 | 1757.5 | | | |
| Frequency (MHz) | | | | 1732.5 | 1745 | 1757.5 | | | |
| 45 | PI/2 BPSK | 1 | 1 | 23.63 | 23.72 | 23.67 | | | |
| 45 | PI/2 BPSK | 1 | 120 | 23.47 | 23.67 | 23.35 | 24.5 | 0.0 | |
| 45 | PI/2 BPSK | 1 | 243 | 23.39 | 23.55 | 23.45 | | | |
| 45 | PI/2 BPSK | 120 | 0 | 23.06 | 23.17 | 23.20 | 24.0 | 0.5 | |
| 45 | PI/2 BPSK | 120 | 60 | 23.85 | 23.66 | 23.56 | 24.5 | 0.0 | |
| 45 | PI/2 BPSK | 120 | 120 | 23.09 | 23.23 | 22.98 | 24.0 | 0.5 | |
| 45 | PI/2 BPSK | 240 | 0 | 23.25 | 23.24 | 23.18 | | | |
| 45 | QPSK | 1 | 1 | 23.89 | 23.78 | 23.72 | | | |
| 45 | QPSK | 1 | 120 | 23.48 | 23.71 | 23.59 | 24.5 | 0.0 | |
| 45 | QPSK | 1 | 243 | 23.84 | 23.69 | 23.68 | | | |
| 45 | QPSK | 120 | 0 | 22.74 | 22.83 | 22.59 | 23.5 | 1.0 | |
| 45 | QPSK | 120 | 60 | 23.48 | 23.65 | 23.60 | 24.5 | 0.0 | |
| 45 | QPSK | 120 | 120 | 22.44 | 22.55 | 22.47 | 23.5 | 1.0 | |
| 45 | QPSK | 240 | 0 | 22.58 | 22.61 | 22.52 | | | |
| 45 | 16QAM | 1 | 1 | 22.83 | 22.57 | 22.80 | 23.5 | 1.0 | |
| 45 | 64QAM | 1 | 1 | 20.97 | 21.17 | 21.11 | 22.0 | 2.5 | |
| 45 | 256QAM | 1 | 1 | 19.23 | 19.35 | 19.33 | 20.0 | 4.5 | |
| Channel | | | | 346000 | 349000 | 352000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 346000 | 349000 | 352000 | | | |
| 40 | QPSK | 1 | 1 | 23.62 | 23.71 | 23.59 | 24.5 | 0.0 | |
| Channel | | | | 345500 | 349000 | 352500 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 345500 | 349000 | 352500 | | | |
| 35 | QPSK | 1 | 1 | 23.64 | 23.73 | 23.70 | 24.5 | 0.0 | |
| Channel | | | | 345000 | 349000 | 353000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 345000 | 349000 | 353000 | | | |
| 30 | QPSK | 1 | 1 | 23.60 | 23.63 | 23.62 | 24.5 | 0.0 | |
| Channel | | | | 344500 | 349000 | 353500 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 344500 | 349000 | 353500 | | | |
| 25 | QPSK | 1 | 1 | 23.66 | 23.72 | 23.68 | 24.5 | 0.0 | |
| Channel | | | | 344000 | 349000 | 354000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 344000 | 349000 | 354000 | | | |
| 20 | QPSK | 1 | 1 | 23.57 | 23.69 | 23.60 | 24.5 | 0.0 | |
| Channel | | | | 343500 | 349000 | 354500 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 343500 | 349000 | 354500 | | | |
| 15 | QPSK | 1 | 1 | 23.54 | 23.62 | 23.59 | 24.5 | 0.0 | |
| Channel | | | | 343000 | 349000 | 355000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 343000 | 349000 | 355000 | | | |
| 10 | QPSK | 1 | 1 | 23.56 | 23.70 | 23.58 | 24.5 | 0.0 | |
| Channel | | | | 342500 | 349000 | 355500 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 342500 | 349000 | 355500 | | | |
| 5 | QPSK | 1 | 1 | 23.55 | 23.72 | 23.68 | 24.5 | 0.0 | |



| n38 Main PA Ant4 | | | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 516004 | Power Middle Ch. / Freq. 519000 | Power High Ch. / Freq. 519996 | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2690.02 | 2595 | 2599.98 | | | |
| Frequency (MHz) | | | | 2523 | 2534 | 2531 | | | |
| 40 | PI/2 BPSK | 1 | 1 | 25.23 | 25.34 | 25.31 | | | |
| 40 | PI/2 BPSK | 1 | 53 | 25.15 | 25.26 | 25.20 | 25.7 | 0.0 | |
| 40 | PI/2 BPSK | 1 | 104 | 25.10 | 25.21 | 25.10 | | | |
| 40 | PI/2 BPSK | 50 | 0 | 24.76 | 24.87 | 24.80 | 25.2 | 0.5 | |
| 40 | PI/2 BPSK | 50 | 28 | 25.22 | 25.30 | 25.17 | 25.7 | 0.0 | |
| 40 | PI/2 BPSK | 50 | 56 | 24.68 | 24.81 | 24.70 | 25.2 | 0.5 | |
| 40 | PI/2 BPSK | 100 | 0 | 24.82 | 24.93 | 24.79 | | | |
| 40 | QPSK | 1 | 1 | 25.28 | 25.40 | 25.36 | | | |
| 40 | QPSK | 1 | 53 | 25.31 | 25.37 | 25.29 | 25.7 | 0.0 | |
| 40 | QPSK | 1 | 104 | 25.15 | 25.28 | 25.19 | | | |
| 40 | QPSK | 50 | 0 | 24.38 | 24.46 | 24.36 | 24.7 | 1.0 | |
| 40 | QPSK | 50 | 28 | 25.30 | 25.35 | 25.25 | 25.7 | 0.0 | |
| 40 | QPSK | 50 | 56 | 24.25 | 24.33 | 24.26 | 24.7 | 1.0 | |
| 40 | QPSK | 100 | 0 | 24.24 | 24.38 | 24.25 | | | |
| 40 | 16QAM | 1 | 1 | 24.27 | 24.33 | 24.19 | 24.7 | 1.0 | |
| 40 | 64QAM | 1 | 1 | 22.65 | 22.74 | 22.70 | 23.2 | 2.5 | |
| 40 | 256QAM | 1 | 1 | 20.91 | 21.06 | 20.94 | 21.2 | 4.5 | |
| Channel | | | | 517002 | 519000 | 520998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2285.01 | 2595 | 2604.99 | 25.7 | 0.0 | |
| 30 | QPSK | 1 | 1 | 25.23 | 25.37 | 25.32 | | | |
| Channel | | | | 516504 | 519000 | 521496 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2682.52 | 2595 | 2607.48 | 25.7 | 0.0 | |
| 25 | QPSK | 1 | 1 | 25.23 | 25.25 | 25.23 | 25.7 | 0.0 | |
| Channel | | | | 516000 | 519000 | 522000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2550 | 2595 | 2610 | 25.7 | 0.0 | |
| 20 | QPSK | 1 | 1 | 25.21 | 25.29 | 25.22 | 25.7 | 0.0 | |
| Channel | | | | 515502 | 519000 | 522498 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2677.51 | 2595 | 2612.49 | 25.7 | 0.0 | |
| 15 | QPSK | 1 | 1 | 25.13 | 25.34 | 25.28 | 25.7 | 0.0 | |
| Channel | | | | 515004 | 519000 | 522996 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2675.02 | 2595 | 2614.98 | 25.7 | 0.0 | |
| 10 | QPSK | 1 | 1 | 25.15 | 25.29 | 25.29 | 25.7 | 0.0 | |

| n41 Main PA Ant4 | | | | | | | | | |
|------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 502002 | Power Middle Ch. / Freq. 518598 | Power High Ch. / Freq. 520000 | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2546.01 | 2592.99 | 2640 | | | |
| Frequency (MHz) | | | | 2537 | 2546 | 2538 | | | |
| 100 | PI/2 BPSK | 1 | 1 | 25.37 | 25.46 | 25.38 | | | |
| 100 | PI/2 BPSK | 1 | 137 | 25.32 | 25.36 | 25.36 | 25.7 | 0.0 | |
| 100 | PI/2 BPSK | 1 | 271 | 25.28 | 25.37 | 25.23 | | | |
| 100 | PI/2 BPSK | 135 | 0 | 24.92 | 24.96 | 24.93 | 25.2 | 0.5 | |
| 100 | PI/2 BPSK | 135 | 69 | 25.28 | 25.44 | 25.24 | 25.7 | 0.0 | |
| 100 | PI/2 BPSK | 135 | 138 | 24.80 | 24.87 | 24.76 | 25.2 | 0.5 | |
| 100 | PI/2 BPSK | 270 | 0 | 24.95 | 25.08 | 24.91 | | | |
| 100 | QPSK | 1 | 1 | 25.42 | 25.54 | 25.47 | | | |
| 100 | QPSK | 1 | 137 | 25.36 | 25.51 | 25.40 | 25.7 | 0.0 | |
| 100 | QPSK | 1 | 271 | 25.28 | 25.43 | 25.28 | | | |
| 100 | QPSK | 135 | 0 | 24.47 | 24.53 | 24.43 | 24.7 | 1.0 | |
| 100 | QPSK | 135 | 69 | 25.36 | 25.47 | 25.31 | 25.7 | 0.0 | |
| 100 | QPSK | 135 | 138 | 24.36 | 24.50 | 24.31 | 24.7 | 1.0 | |
| 100 | QPSK | 270 | 0 | 24.39 | 24.52 | 24.30 | | | |
| 100 | 16QAM | 1 | 1 | 24.42 | 24.41 | 24.33 | 24.7 | 1.0 | |
| 100 | 64QAM | 1 | 1 | 22.75 | 22.89 | 22.81 | 23.2 | 2.5 | |
| 100 | 256QAM | 1 | 1 | 21.03 | 21.09 | 21.01 | 21.2 | 4.5 | |
| Channel | | | | 502000 | 518598 | 520998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2541 | 2592.99 | 2644.98 | 25.7 | 0.0 | |
| 90 | QPSK | 1 | 1 | 25.37 | 25.50 | 25.41 | 25.7 | 0.0 | |
| Channel | | | | 507204 | 518598 | 520998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2536.02 | 2592.99 | 2649.99 | 25.7 | 0.0 | |
| 80 | QPSK | 1 | 1 | 25.27 | 25.40 | 25.33 | 25.7 | 0.0 | |
| Channel | | | | 506202 | 518598 | 521000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2531.01 | 2592.99 | 2655 | 25.7 | 0.0 | |
| 70 | QPSK | 1 | 1 | 25.03 | 23.10 | 23.06 | 25.7 | 0.0 | |
| Channel | | | | 505200 | 518598 | 521998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2526 | 2592.99 | 2659.98 | 25.7 | 0.0 | |
| 60 | QPSK | 1 | 1 | 25.37 | 25.41 | 25.43 | 25.7 | 0.0 | |
| Channel | | | | 504204 | 518598 | 522998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2531.00 | 2592.99 | 2664.99 | 25.7 | 0.0 | |
| 50 | QPSK | 1 | 1 | 25.31 | 25.43 | 25.34 | 25.7 | 0.0 | |
| Channel | | | | 503202 | 518598 | 524000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2516.01 | 2592.99 | 2670 | 25.7 | 0.0 | |
| 40 | QPSK | 1 | 1 | 25.33 | 25.39 | 25.37 | 25.7 | 0.0 | |
| Channel | | | | 502200 | 518598 | 524998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2511 | 2592.99 | 2674.98 | 25.7 | 0.0 | |
| 30 | QPSK | 1 | 1 | 25.34 | 25.49 | 25.36 | 25.7 | 0.0 | |
| Channel | | | | 501204 | 518598 | 525998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2506.02 | 2592.99 | 2679.99 | 25.7 | 0.0 | |
| 20 | QPSK | 1 | 1 | 25.36 | 25.45 | 25.35 | 25.7 | 0.0 | |
| Channel | | | | 500200 | 518598 | 526998 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2503.05 | 2592.99 | 2682.48 | 25.7 | 0.0 | |
| 15 | QPSK | 1 | 1 | 25.38 | 25.39 | 25.38 | 25.7 | 0.0 | |
| Channel | | | | 500202 | 518598 | 527000 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 2501.01 | 2592.99 | 2685 | 25.7 | 0.0 | |
| 10 | QPSK | 1 | 1 | 25.34 | 25.48 | 25.34 | 25.7 | 0.0 | |



Part270 n77 Main PA Ant5

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 3750 | 3840 | 3930 | | |
| 100 | Pl2 BPSK | 1 | 1 | 22.26 | 22.31 | 22.22 | | |
| 100 | Pl2 BPSK | 1 | 137 | 22.22 | 22.28 | 22.14 | 23.0 | 0.0 |
| 100 | Pl2 BPSK | 1 | 271 | 22.06 | 22.13 | 22.04 | | |
| 100 | Pl2 BPSK | 135 | 0 | 22.11 | 22.18 | 22.03 | 23.0 | 0.0 |
| 100 | Pl2 BPSK | 135 | 69 | 22.20 | 22.28 | 22.23 | 23.0 | 0.0 |
| 100 | Pl2 BPSK | 135 | 138 | 22.06 | 22.14 | 22.02 | | |
| 100 | Pl2 BPSK | 270 | 0 | 22.13 | 22.20 | 22.10 | 23.0 | 0.0 |
| 100 | QPSK | 1 | 1 | 22.30 | 22.34 | 22.27 | | |
| 100 | QPSK | 1 | 137 | 22.14 | 22.25 | 22.20 | 23.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 22.20 | 22.28 | 22.24 | | |
| 100 | QPSK | 135 | 0 | 22.08 | 22.20 | 22.06 | 23.0 | 0.0 |
| 100 | QPSK | 135 | 69 | 22.24 | 22.27 | 22.19 | 23.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 22.06 | 22.19 | 22.13 | | |
| 100 | QPSK | 270 | 0 | 22.20 | 22.24 | 22.15 | 23.0 | 0.0 |
| 100 | 6QAM | 1 | 1 | 21.91 | 22.01 | 21.97 | 23.0 | 0.0 |
| 100 | 6QAM | 1 | 1 | 21.70 | 21.76 | 21.61 | 23.0 | 0.0 |
| 100 | 25QAM | 1 | 1 | 20.58 | 20.72 | 20.62 | 21.5 | 1.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64968 | 65000 | 65234 | time-up limit (dBm) | MPR (dB) |
| 90 | QPSK | 1 | 1 | 22.19 | 22.20 | 22.15 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64934 | 65000 | 65068 | time-up limit (dBm) | MPR (dB) |
| 80 | QPSK | 1 | 1 | 22.19 | 22.28 | 22.23 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64900 | 65000 | 65000 | time-up limit (dBm) | MPR (dB) |
| 70 | QPSK | 1 | 1 | 22.17 | 22.30 | 22.12 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64868 | 65000 | 65334 | time-up limit (dBm) | MPR (dB) |
| 60 | QPSK | 1 | 1 | 22.12 | 22.29 | 22.15 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64834 | 65000 | 65068 | time-up limit (dBm) | MPR (dB) |
| 50 | QPSK | 1 | 1 | 22.19 | 22.25 | 22.14 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64800 | 65000 | 65000 | time-up limit (dBm) | MPR (dB) |
| 40 | QPSK | 1 | 1 | 22.21 | 22.27 | 22.20 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64768 | 65000 | 65434 | time-up limit (dBm) | MPR (dB) |
| 30 | QPSK | 1 | 1 | 22.19 | 22.23 | 22.22 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64700 | 65000 | 65400 | time-up limit (dBm) | MPR (dB) |
| 25 | QPSK | 1 | 1 | 22.24 | 22.27 | 22.14 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64734 | 65000 | 65068 | time-up limit (dBm) | MPR (dB) |
| 20 | QPSK | 1 | 1 | 22.17 | 22.28 | 22.13 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64718 | 65000 | 65484 | time-up limit (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 1 | 22.15 | 22.30 | 22.16 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64700 | 65000 | 65000 | time-up limit (dBm) | MPR (dB) |
| 10 | QPSK | 1 | 1 | 22.24 | 22.19 | 22.12 | 23.0 | 0.0 |

Part270 n77 PC2 Main PA Ant5

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 3750 | 3840 | 3930 | | |
| 100 | Pl2 BPSK | 1 | 1 | 25.40 | 25.45 | 25.36 | | |
| 100 | Pl2 BPSK | 1 | 137 | 25.30 | 25.40 | 25.26 | 26.0 | 0.0 |
| 100 | Pl2 BPSK | 1 | 271 | 25.20 | 25.34 | 25.20 | | |
| 100 | Pl2 BPSK | 135 | 0 | 24.87 | 24.99 | 24.90 | 25.5 | 0.5 |
| 100 | Pl2 BPSK | 135 | 69 | 25.28 | 25.41 | 25.32 | 26.0 | 0.0 |
| 100 | Pl2 BPSK | 135 | 138 | 24.77 | 24.91 | 24.81 | | |
| 100 | Pl2 BPSK | 270 | 0 | 24.86 | 24.96 | 24.90 | 25.5 | 0.5 |
| 100 | QPSK | 1 | 1 | 25.43 | 25.49 | 25.39 | | |
| 100 | QPSK | 1 | 137 | 25.36 | 25.42 | 25.30 | 26.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 25.35 | 25.37 | 25.26 | | |
| 100 | QPSK | 135 | 0 | 24.32 | 24.41 | 24.31 | 25.0 | 1.0 |
| 100 | QPSK | 135 | 69 | 25.38 | 25.42 | 25.31 | 26.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 24.27 | 24.39 | 24.26 | | |
| 100 | QPSK | 270 | 0 | 24.38 | 24.48 | 24.45 | 25.0 | 1.0 |
| 100 | 6QAM | 1 | 1 | 24.07 | 24.10 | 24.03 | 25.0 | 1.0 |
| 100 | 6QAM | 1 | 1 | 22.16 | 22.27 | 22.15 | 23.5 | 2.5 |
| 100 | 25QAM | 1 | 1 | 20.55 | 20.67 | 20.53 | 21.5 | 4.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64968 | 65000 | 65234 | time-up limit (dBm) | MPR (dB) |
| 90 | QPSK | 1 | 1 | 25.29 | 25.30 | 25.31 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64934 | 65000 | 65068 | time-up limit (dBm) | MPR (dB) |
| 80 | QPSK | 1 | 1 | 25.35 | 25.45 | 25.35 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64900 | 65000 | 65000 | time-up limit (dBm) | MPR (dB) |
| 70 | QPSK | 1 | 1 | 25.35 | 25.40 | 25.31 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64868 | 65000 | 65334 | time-up limit (dBm) | MPR (dB) |
| 60 | QPSK | 1 | 1 | 25.29 | 25.43 | 25.34 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64834 | 65000 | 65068 | time-up limit (dBm) | MPR (dB) |
| 50 | QPSK | 1 | 1 | 25.29 | 25.40 | 25.28 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64800 | 65000 | 65000 | time-up limit (dBm) | MPR (dB) |
| 40 | QPSK | 1 | 1 | 25.35 | 25.39 | 25.36 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64768 | 65000 | 65434 | time-up limit (dBm) | MPR (dB) |
| 30 | QPSK | 1 | 1 | 25.30 | 25.35 | 25.32 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64700 | 65000 | 65400 | time-up limit (dBm) | MPR (dB) |
| 25 | QPSK | 1 | 1 | 25.34 | 25.38 | 25.31 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64734 | 65000 | 65068 | time-up limit (dBm) | MPR (dB) |
| 20 | QPSK | 1 | 1 | 25.30 | 25.41 | 25.28 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64718 | 65000 | 65484 | time-up limit (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 1 | 25.40 | 25.39 | 25.36 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 64700 | 65000 | 65000 | time-up limit (dBm) | MPR (dB) |
| 10 | QPSK | 1 | 1 | 25.35 | 25.34 | 25.34 | 26.0 | 0.0 |

Part27Q n77 Main PA Ant5

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | 3500.01 | | |
| 100 | Pl2 BPSK | 1 | 1 | | | 22.59 | | |
| 100 | Pl2 BPSK | 1 | 137 | | | 22.40 | 23.0 | 0.0 |
| 100 | Pl2 BPSK | 1 | 271 | | | 22.20 | | |
| 100 | Pl2 BPSK | 135 | 0 | | | 22.33 | 23.0 | 0.0 |
| 100 | Pl2 BPSK | 135 | 69 | | | 22.38 | 23.0 | 0.0 |
| 100 | Pl2 BPSK | 135 | 138 | | | 22.21 | | |
| 100 | Pl2 BPSK | 270 | 0 | | | 22.35 | 23.0 | 0.0 |
| 100 | QPSK | 1 | 1 | | | 22.45 | | |
| 100 | QPSK | 1 | 137 | | | 22.40 | 23.0 | 0.0 |
| 100 | QPSK | 1 | 271 | | | 22.46 | | |
| 100 | QPSK | 135 | 0 | | | 22.26 | 23.0 | 0.0 |
| 100 | QPSK | 135 | 69 | | | 22.37 | 23.0 | 0.0 |
| 100 | QPSK | 135 | 138 | | | 22.23 | | |
| 100 | QPSK | 270 | 0 | | | 22.31 | 23.0 | 0.0 |
| 100 | 6QAM | 1 | 1 | | | 21.99 | 23.0 | 0.0 |
| 100 | 6QAM | 1 | 1 | | | 21.66 | 23.0 | 0.0 |
| 100 | 25QAM | 1 | 1 | | | 20.63 | 21.5 | 1.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63900 | 63334 | 63668 | time-up limit (dBm) | MPR (dB) |
| 90 | QPSK | 1 | 1 | 22.31 | 22.41 | 22.31 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63968 | 63334 | 63900 | time-up limit (dBm) | MPR (dB) |
| 80 | QPSK | 1 | 1 | 22.31 | 22.33 | 22.32 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63934 | 63334 | 63934 | time-up limit (dBm) | MPR (dB) |
| 70 | QPSK | 1 | 1 | 22.35 | 22.39 | 22.37 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63900 | 63334 | 63668 | time-up limit (dBm) | MPR (dB) |
| 60 | QPSK | 1 | 1 | 22.31 | 22.35 | 22.32 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63168 | 63334 | 63900 | time-up limit (dBm) | MPR (dB) |
| 50 | QPSK | 1 | 1 | 22.31 | 22.40 | 22.31 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63134 | 63334 | 63334 | time-up limit (dBm) | MPR (dB) |
| 40 | QPSK | 1 | 1 | 22.32 | 22.34 | 22.32 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63100 | 63334 | 63668 | time-up limit (dBm) | MPR (dB) |
| 30 | QPSK | 1 | 1 | 22.40 | 22.42 | 22.37 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63034 | 63334 | 63034 | time-up limit (dBm) | MPR (dB) |
| 25 | QPSK | 1 | 1 | 22.41 | 22.36 | 22.31 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63068 | 63334 | 63000 | time-up limit (dBm) | MPR (dB) |
| 20 | QPSK | 1 | 1 | 22.38 | 22.37 | 22.33 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63050 | 63334 | 63168 | time-up limit (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 1 | 22.32 | 22.35 | 22.29 | 23.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 63034 | 63334 | 63034 | time-up limit (dBm) | MPR (dB) |
| 10 | QPSK | 1 | 1 | 22.30 | 22.38 | 22.32 | 23.0 | 0.0 |



Part27Q n77 PC2 Main PA Ant5

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 3500.01 | | | | |
| 100 | PI2 BPSK | 1 | 1 | 25.56 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 25.32 | | | 26.0 | 0.0 |
| 100 | PI2 BPSK | 1 | 271 | 25.23 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 24.92 | | | 25.5 | 0.5 |
| 100 | PI2 BPSK | 135 | 69 | 25.35 | | | 26.0 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | 24.80 | | | 25.5 | 0.5 |
| 100 | PI2 BPSK | 270 | 0 | 24.92 | | | | |
| 100 | QPSK | 1 | 1 | 25.44 | | | | |
| 100 | QPSK | 1 | 137 | 25.39 | | | 26.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 25.32 | | | | |
| 100 | QPSK | 135 | 0 | 24.33 | | | 25.0 | 1.0 |
| 100 | QPSK | 135 | 69 | 25.38 | | | 26.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 24.34 | | | 25.0 | 1.0 |
| 100 | QPSK | 270 | 0 | 24.42 | | | | |
| 100 | 16QAM | 1 | 1 | 23.98 | | | 25.0 | 1.0 |
| 100 | 64QAM | 1 | 1 | 22.37 | | | 23.5 | 2.5 |
| 100 | 256QAM | 1 | 1 | 20.71 | | | 21.5 | 4.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 633000 | | | turn-up limit (dBm) | MPR (dB) |
| 90 | QPSK | 1 | 1 | 25.27 | 25.11 | 25.19 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 633668 | | | turn-up limit (dBm) | MPR (dB) |
| 80 | QPSK | 1 | 1 | 25.30 | 25.37 | 25.19 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 634002 | | | turn-up limit (dBm) | MPR (dB) |
| 70 | QPSK | 1 | 1 | 25.32 | 25.29 | 25.23 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 632000 | | | turn-up limit (dBm) | MPR (dB) |
| 80 | QPSK | 1 | 1 | 25.29 | 25.33 | 25.16 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 631968 | | | turn-up limit (dBm) | MPR (dB) |
| 50 | QPSK | 1 | 1 | 25.26 | 25.39 | 25.24 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 631700 | | | turn-up limit (dBm) | MPR (dB) |
| 40 | QPSK | 1 | 1 | 25.29 | 25.36 | 25.17 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 631000 | | | turn-up limit (dBm) | MPR (dB) |
| 30 | QPSK | 1 | 1 | 25.29 | 25.33 | 25.16 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 630834 | | | turn-up limit (dBm) | MPR (dB) |
| 25 | QPSK | 1 | 1 | 25.24 | 25.37 | 25.24 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 630902 | | | turn-up limit (dBm) | MPR (dB) |
| 20 | QPSK | 1 | 1 | 25.26 | 25.39 | 25.25 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 630500 | | | turn-up limit (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 1 | 25.31 | 25.32 | 25.20 | 26.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 630334 | | | turn-up limit (dBm) | MPR (dB) |
| 10 | QPSK | 1 | 1 | 25.27 | 25.36 | 25.21 | 26.0 | 0.0 |

Part27O n78 Main PA Ant5

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 3750 | | | | |
| 100 | PI2 BPSK | 1 | 1 | 23.48 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 23.37 | | | 24.0 | 0.0 |
| 100 | PI2 BPSK | 1 | 271 | 23.31 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 23.25 | | | 24.0 | 0.0 |
| 100 | PI2 BPSK | 135 | 69 | 23.43 | | | 24.0 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | 23.29 | | | 24.0 | 0.0 |
| 100 | PI2 BPSK | 270 | 0 | 23.30 | | | | |
| 100 | QPSK | 1 | 1 | 23.51 | | | | |
| 100 | QPSK | 1 | 137 | 23.33 | | | 24.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 23.38 | | | | |
| 100 | QPSK | 135 | 0 | 23.26 | | | 24.0 | 0.0 |
| 100 | QPSK | 135 | 69 | 23.44 | | | 24.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 23.30 | | | 24.0 | 0.0 |
| 100 | QPSK | 270 | 0 | 23.26 | | | | |
| 100 | 16QAM | 1 | 1 | 23.24 | | | 24.0 | 0.0 |
| 100 | 64QAM | 1 | 1 | 22.88 | | | 24.0 | 0.0 |
| 100 | 256QAM | 1 | 1 | 21.89 | | | 22.5 | 1.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 649688 | | | turn-up limit (dBm) | MPR (dB) |
| 90 | QPSK | 1 | 1 | 23.37 | 23.33 | 23.23 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 649334 | | | turn-up limit (dBm) | MPR (dB) |
| 80 | QPSK | 1 | 1 | 23.30 | 23.39 | 23.32 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 649000 | | | turn-up limit (dBm) | MPR (dB) |
| 70 | QPSK | 1 | 1 | 23.35 | 23.46 | 23.32 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 648688 | | | turn-up limit (dBm) | MPR (dB) |
| 60 | QPSK | 1 | 1 | 23.39 | 23.41 | 23.27 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 648334 | | | turn-up limit (dBm) | MPR (dB) |
| 50 | QPSK | 1 | 1 | 23.34 | 23.44 | 23.24 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 648000 | | | turn-up limit (dBm) | MPR (dB) |
| 40 | QPSK | 1 | 1 | 23.41 | 23.48 | 23.35 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647688 | | | turn-up limit (dBm) | MPR (dB) |
| 30 | QPSK | 1 | 1 | 23.33 | 23.37 | 23.25 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647500 | | | turn-up limit (dBm) | MPR (dB) |
| 25 | QPSK | 1 | 1 | 23.31 | 23.42 | 23.31 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647334 | | | turn-up limit (dBm) | MPR (dB) |
| 20 | QPSK | 1 | 1 | 23.33 | 23.43 | 23.32 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647188 | | | turn-up limit (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 1 | 23.30 | 23.48 | 23.24 | 24.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647000 | | | turn-up limit (dBm) | MPR (dB) |
| 10 | QPSK | 1 | 1 | 23.40 | 23.46 | 23.30 | 24.0 | 0.0 |

Part27O n78 PC2 Main PA Ant5

| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Turn-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 3750 | | | | |
| 100 | PI2 BPSK | 1 | 1 | 26.22 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 26.22 | | | 27.0 | 0.0 |
| 100 | PI2 BPSK | 1 | 271 | 26.18 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 25.84 | | | 26.5 | 0.5 |
| 100 | PI2 BPSK | 135 | 69 | 26.16 | | | 27.0 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | 25.71 | | | 26.5 | 0.5 |
| 100 | PI2 BPSK | 270 | 0 | 25.74 | | | | |
| 100 | QPSK | 1 | 1 | 26.32 | | | | |
| 100 | QPSK | 1 | 137 | 26.23 | | | 27.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 26.26 | | | | |
| 100 | QPSK | 135 | 0 | 25.23 | | | 26.0 | 1.0 |
| 100 | QPSK | 135 | 69 | 26.27 | | | 27.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 25.19 | | | 26.0 | 1.0 |
| 100 | QPSK | 270 | 0 | 25.23 | | | | |
| 100 | 16QAM | 1 | 1 | 25.21 | | | 26.0 | 1.0 |
| 100 | 64QAM | 1 | 1 | 23.98 | | | 24.5 | 2.5 |
| 100 | 256QAM | 1 | 1 | 21.89 | | | 22.5 | 4.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 649688 | | | turn-up limit (dBm) | MPR (dB) |
| 90 | QPSK | 1 | 1 | 26.20 | 26.20 | 26.15 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 649334 | | | turn-up limit (dBm) | MPR (dB) |
| 80 | QPSK | 1 | 1 | 26.21 | 26.22 | 26.14 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 649000 | | | turn-up limit (dBm) | MPR (dB) |
| 70 | QPSK | 1 | 1 | 26.22 | 26.27 | 26.17 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 648688 | | | turn-up limit (dBm) | MPR (dB) |
| 60 | QPSK | 1 | 1 | 26.24 | 26.24 | 26.19 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 648334 | | | turn-up limit (dBm) | MPR (dB) |
| 50 | QPSK | 1 | 1 | 26.25 | 26.20 | 26.15 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 648000 | | | turn-up limit (dBm) | MPR (dB) |
| 40 | QPSK | 1 | 1 | 26.17 | 26.24 | 26.11 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647688 | | | turn-up limit (dBm) | MPR (dB) |
| 30 | QPSK | 1 | 1 | 26.17 | 26.28 | 26.18 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647500 | | | turn-up limit (dBm) | MPR (dB) |
| 25 | QPSK | 1 | 1 | 26.18 | 26.26 | 26.12 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647334 | | | turn-up limit (dBm) | MPR (dB) |
| 20 | QPSK | 1 | 1 | 26.26 | 26.20 | 26.16 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647188 | | | turn-up limit (dBm) | MPR (dB) |
| 15 | QPSK | 1 | 1 | 26.16 | 26.17 | 26.13 | 27.0 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | 647000 | | | turn-up limit (dBm) | MPR (dB) |
| 10 | QPSK | 1 | 1 | 26.15 | 26.09 | 26.09 | 27.0 | 0.0 |



| Part27Q n78 Main PA Ant5 | | | | | | | |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power Middle Ch. F.Freq. | Power High Ch. F.Freq. | MPR (dB) |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 100 | Pi/2 BPSK | 1 | 1 | 23.42 | 3500.01 | | |
| 100 | Pi/2 BPSK | 1 | 137 | 23.37 | | | 24.0 |
| 100 | Pi/2 BPSK | 1 | 271 | 23.30 | | | |
| 100 | Pi/2 BPSK | 135 | 0 | 23.19 | | 24.0 | 0.0 |
| 100 | Pi/2 BPSK | 135 | 69 | 23.36 | | 24.0 | 0.0 |
| 100 | Pi/2 BPSK | 135 | 138 | 23.14 | | 24.0 | 0.0 |
| 100 | Pi/2 BPSK | 270 | 0 | 23.22 | | 24.0 | 0.0 |
| 100 | QPSK | 1 | 1 | 23.46 | | | |
| 100 | QPSK | 1 | 137 | 23.25 | | 24.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 23.25 | | | |
| 100 | QPSK | 135 | 0 | 23.27 | | 24.0 | 0.0 |
| 100 | QPSK | 135 | 69 | 23.41 | | 24.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 23.20 | | 24.0 | 0.0 |
| 100 | QPSK | 270 | 0 | 23.26 | | 24.0 | 0.0 |
| 100 | 16QAM | 1 | 1 | 23.33 | | 24.0 | 0.0 |
| 100 | 64QAM | 1 | 1 | 23.11 | | 24.0 | 0.0 |
| 100 | 256QAM | 1 | 1 | 22.02 | | 22.5 | 1.5 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 90 | QPSK | 1 | 1 | 23.20 | 633000 | 633334 | 633668 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 80 | QPSK | 1 | 1 | 23.30 | 3490.02 | 3500.01 | 3510.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 70 | QPSK | 1 | 1 | 23.30 | 3485.01 | 3500.01 | 3515.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 60 | QPSK | 1 | 1 | 23.30 | 3475.02 | 3500.01 | 3525.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 50 | QPSK | 1 | 1 | 23.29 | 3470.01 | 3500.01 | 3530.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 40 | QPSK | 1 | 1 | 23.34 | 3462.51 | 3500.01 | 3537.51 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 30 | QPSK | 1 | 1 | 23.27 | 3460.02 | 3500.01 | 3540.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 20 | QPSK | 1 | 1 | 23.32 | 3456.01 | 3500.01 | 3545.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 15 | QPSK | 1 | 1 | 23.33 | 3455.01 | 3500.01 | 3545.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 10 | QPSK | 1 | 1 | 23.33 | 3456.01 | 3500.01 | 3545.01 |

| Part27Q n78 PC2 Main PA Ant5 | | | | | | | |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power Middle Ch. F.Freq. | Power High Ch. F.Freq. | MPR (dB) |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 100 | Pi/2 BPSK | 1 | 1 | 23.21 | 3500.01 | | |
| 100 | Pi/2 BPSK | 1 | 137 | 23.11 | | | 27.0 |
| 100 | Pi/2 BPSK | 1 | 271 | 23.03 | | | |
| 100 | Pi/2 BPSK | 135 | 0 | 23.75 | | 26.5 | 0.5 |
| 100 | Pi/2 BPSK | 135 | 69 | 23.10 | | 27.0 | 0.0 |
| 100 | Pi/2 BPSK | 135 | 138 | 23.56 | | 26.5 | 0.5 |
| 100 | Pi/2 BPSK | 270 | 0 | 23.64 | | 26.5 | 0.5 |
| 100 | QPSK | 1 | 1 | 23.25 | | | |
| 100 | QPSK | 1 | 137 | 23.19 | | 27.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 23.14 | | | |
| 100 | QPSK | 135 | 0 | 23.10 | | 28.0 | 1.0 |
| 100 | QPSK | 135 | 69 | 23.19 | | 27.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 23.14 | | 28.0 | 1.0 |
| 100 | QPSK | 270 | 0 | 23.20 | | 28.0 | 1.0 |
| 100 | 16QAM | 1 | 1 | 23.31 | | 28.0 | 1.0 |
| 100 | 64QAM | 1 | 1 | 23.56 | | 24.5 | 2.5 |
| 100 | 256QAM | 1 | 1 | 22.03 | | 22.5 | 4.5 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 90 | QPSK | 1 | 1 | 23.15 | 633000 | 633334 | 633668 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 80 | QPSK | 1 | 1 | 23.15 | 3490.02 | 3500.01 | 3510.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 70 | QPSK | 1 | 1 | 23.10 | 3485.01 | 3500.01 | 3515.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 60 | QPSK | 1 | 1 | 23.07 | 3475.02 | 3500.01 | 3525.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 50 | QPSK | 1 | 1 | 23.07 | 3470.01 | 3500.01 | 3530.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 40 | QPSK | 1 | 1 | 23.08 | 3462.51 | 3500.01 | 3537.51 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 30 | QPSK | 1 | 1 | 23.05 | 3460.02 | 3500.01 | 3540.00 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 25 | QPSK | 1 | 1 | 23.12 | 3456.01 | 3500.01 | 3545.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 20 | QPSK | 1 | 1 | 23.11 | 3455.01 | 3500.01 | 3545.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 15 | QPSK | 1 | 1 | 23.13 | 3456.01 | 3500.01 | 3545.01 |
| Channel | | | | | | | |
| Frequency (MHz) | | | | | | | |
| 10 | QPSK | 1 | 1 | 23.14 | 3456.01 | 3500.01 | 3545.01 |



Part270 n77 Main PA Ant6

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 650000 | Power Middle Ch. / Freq. 656000 | Power High Ch. / Freq. 662000 | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 100 | PI2 BPSK | 1 | 1 | 22.14 | 22.25 | 22.07 | | |
| 100 | PI2 BPSK | 1 | 137 | 22.13 | 22.21 | 22.01 | | 0.0 |
| 100 | PI2 BPSK | 1 | 271 | 21.25 | 22.08 | 21.93 | | |
| 100 | PI2 BPSK | 135 | 0 | 21.99 | 22.10 | 21.98 | 23.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 69 | 22.15 | 22.15 | 22.10 | 23.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | 22.01 | 22.11 | 21.89 | 23.5 | 0.0 |
| 100 | PI2 BPSK | 270 | 0 | 21.99 | 22.07 | 21.97 | | |
| 100 | QPSK | 1 | 1 | 22.27 | 22.29 | 22.19 | | 0.0 |
| 100 | QPSK | 1 | 137 | 22.20 | 22.20 | 22.11 | 23.5 | 0.0 |
| 100 | QPSK | 1 | 271 | 22.15 | 22.20 | 22.09 | | |
| 100 | QPSK | 135 | 0 | 21.98 | 22.14 | 21.94 | 23.5 | 0.0 |
| 100 | QPSK | 135 | 69 | 22.13 | 22.23 | 22.04 | 23.5 | 0.0 |
| 100 | QPSK | 135 | 138 | 22.03 | 22.14 | 22.00 | 23.5 | 0.0 |
| 100 | QPSK | 270 | 0 | 22.15 | 22.21 | 22.04 | | |
| 100 | 16QAM | 1 | 1 | 21.61 | 21.72 | 21.65 | 23.5 | 0.0 |
| 100 | 64QAM | 1 | 1 | 21.51 | 21.58 | 21.52 | 23.5 | 0.0 |
| 100 | 256QAM | 1 | 1 | 20.15 | 20.28 | 20.20 | 22.0 | 1.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 80 | QPSK | 1 | 1 | 22.22 | 22.18 | 22.04 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 80 | QPSK | 1 | 1 | 22.13 | 22.19 | 22.09 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 70 | QPSK | 1 | 1 | 22.21 | 22.20 | 22.00 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 60 | QPSK | 1 | 1 | 22.23 | 22.15 | 22.08 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 50 | QPSK | 1 | 1 | 22.12 | 22.22 | 22.08 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 40 | QPSK | 1 | 1 | 22.24 | 22.21 | 22.06 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 30 | QPSK | 1 | 1 | 22.18 | 22.17 | 22.01 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 25 | QPSK | 1 | 1 | 22.19 | 22.15 | 22.05 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 1 | 22.21 | 22.26 | 22.07 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 1 | 22.20 | 22.19 | 22.02 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 1 | 22.19 | 22.26 | 22.07 | 23.5 | 0.0 |

Part270 n77 PC2 Main PA Ant6

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 650000 | Power Middle Ch. / Freq. 656000 | Power High Ch. / Freq. 662000 | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 100 | PI2 BPSK | 1 | 1 | 24.88 | 24.94 | 24.83 | | |
| 100 | PI2 BPSK | 1 | 137 | 24.84 | 24.89 | 24.81 | 26.5 | 0.0 |
| 100 | PI2 BPSK | 1 | 271 | 24.89 | 24.84 | 24.72 | | |
| 100 | PI2 BPSK | 135 | 0 | 24.53 | 24.56 | 24.51 | 26.0 | 0.5 |
| 100 | PI2 BPSK | 135 | 69 | 24.75 | 24.88 | 24.76 | 26.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | 24.36 | 24.44 | 24.37 | 26.0 | 0.5 |
| 100 | PI2 BPSK | 270 | 0 | 24.32 | 24.44 | 24.32 | | |
| 100 | QPSK | 1 | 1 | 24.94 | 24.97 | 24.89 | | 0.0 |
| 100 | QPSK | 1 | 137 | 24.80 | 24.87 | 24.82 | 26.5 | 0.0 |
| 100 | QPSK | 1 | 271 | 24.86 | 24.92 | 24.82 | | |
| 100 | QPSK | 135 | 0 | 23.85 | 23.92 | 23.77 | 25.5 | 1.0 |
| 100 | QPSK | 135 | 69 | 24.79 | 24.91 | 24.83 | 26.5 | 0.0 |
| 100 | QPSK | 135 | 138 | 23.79 | 23.87 | 23.82 | 25.5 | 1.0 |
| 100 | QPSK | 270 | 0 | 23.82 | 23.94 | 23.86 | | |
| 100 | 16QAM | 1 | 1 | 23.78 | 23.88 | 23.78 | 25.5 | 1.0 |
| 100 | 64QAM | 1 | 1 | 22.12 | 22.13 | 22.15 | 24.0 | 2.5 |
| 100 | 256QAM | 1 | 1 | 20.12 | 20.10 | 20.03 | 22.0 | 4.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 90 | QPSK | 1 | 1 | 24.83 | 24.82 | 24.85 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 80 | QPSK | 1 | 1 | 24.87 | 24.88 | 24.80 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 70 | QPSK | 1 | 1 | 24.86 | 24.83 | 24.78 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 60 | QPSK | 1 | 1 | 24.84 | 24.82 | 24.76 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 50 | QPSK | 1 | 1 | 24.83 | 24.82 | 24.83 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 40 | QPSK | 1 | 1 | 24.81 | 24.83 | 24.83 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 30 | QPSK | 1 | 1 | 24.91 | 24.86 | 24.79 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 25 | QPSK | 1 | 1 | 24.85 | 24.84 | 24.80 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 1 | 24.84 | 24.89 | 24.77 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 1 | 24.88 | 24.83 | 24.85 | 26.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 1 | 24.79 | 24.91 | 24.85 | 26.5 | 0.0 |

Part270Q n77 Main PA Ant6

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 633334 | Power Middle Ch. / Freq. 633334 | Power High Ch. / Freq. 633334 | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 100 | PI2 BPSK | 1 | 1 | | 3500.01 | | | |
| 100 | PI2 BPSK | 1 | 137 | | 22.08 | | | |
| 100 | PI2 BPSK | 1 | 271 | | 22.11 | | 23.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 0 | | 21.95 | | | |
| 100 | PI2 BPSK | 135 | 69 | | 22.03 | | 23.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | | 22.13 | | 23.5 | 0.0 |
| 100 | PI2 BPSK | 270 | 0 | | 21.98 | | | |
| 100 | QPSK | 1 | 1 | | 22.14 | | 23.5 | 0.0 |
| 100 | QPSK | 1 | 137 | | 22.09 | | | |
| 100 | QPSK | 1 | 271 | | 22.11 | | | |
| 100 | QPSK | 135 | 0 | | 21.98 | | 23.5 | 0.0 |
| 100 | QPSK | 135 | 69 | | 22.09 | | 23.5 | 0.0 |
| 100 | QPSK | 135 | 138 | | 21.98 | | 23.5 | 0.0 |
| 100 | QPSK | 270 | 0 | | 21.99 | | | |
| 100 | 16QAM | 1 | 1 | | 21.71 | | 23.5 | 0.0 |
| 100 | 64QAM | 1 | 1 | | 21.59 | | 23.5 | 0.0 |
| 100 | 256QAM | 1 | 1 | | 20.03 | | 22.0 | 4.5 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 90 | QPSK | 1 | 1 | 633000 | 633334 | 633668 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 80 | QPSK | 1 | 1 | 21.90 | 21.93 | 21.85 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 80 | QPSK | 1 | 1 | 21.92 | 22.00 | 21.88 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 70 | QPSK | 1 | 1 | 632334 | 633334 | 634334 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 70 | QPSK | 1 | 1 | 21.89 | 21.99 | 21.89 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 60 | QPSK | 1 | 1 | 632000 | 633334 | 634668 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 60 | QPSK | 1 | 1 | 21.87 | 21.94 | 21.91 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 50 | QPSK | 1 | 1 | 631668 | 633334 | 635000 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 50 | QPSK | 1 | 1 | 21.88 | 21.96 | 21.88 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 40 | QPSK | 1 | 1 | 631334 | 633334 | 635334 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 40 | QPSK | 1 | 1 | 21.93 | 21.95 | 21.90 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 30 | QPSK | 1 | 1 | 631000 | 633334 | 635668 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 30 | QPSK | 1 | 1 | 21.92 | 21.95 | 21.85 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 25 | QPSK | 1 | 1 | 630834 | 633334 | 635834 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 25 | QPSK | 1 | 1 | 21.97 | 21.91 | 21.85 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 1 | 630500 | 633334 | 636000 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 20 | QPSK | 1 | 1 | 21.96 | 22.00 | 21.92 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 1 | 630000 | 633334 | 636334 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 15 | QPSK | 1 | 1 | 21.86 | 21.90 | 21.81 | 23.5 | 0.0 |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 1 | 630000 | 633334 | 636334 | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | | | | | |
| Frequency (MHz) | | | | | | | | |
| 10 | QPSK | 1 | 1 | 21.92 | 21.98 | 21.89 | 23.5 | 0.0 |



Part27Q n77 PC2 Main PA Ant6

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|------|-----|
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 3500.01 | | | | | | |
| 100 | PI2 BPSK | 1 | 1 | 24.96 | 24.96 | 24.96 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 24.87 | 24.87 | 24.87 | 26.5 | 0.0 | | |
| 100 | PI2 BPSK | 1 | 271 | 24.80 | 24.80 | 24.80 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 24.50 | 24.50 | 24.50 | 26.0 | 0.5 | | |
| 100 | PI2 BPSK | 135 | 69 | 24.90 | 24.90 | 24.90 | 26.5 | 0.0 | | |
| 100 | PI2 BPSK | 135 | 138 | 24.40 | 24.40 | 24.40 | 26.0 | 0.5 | | |
| 100 | PI2 BPSK | 270 | 0 | 24.47 | 24.47 | 24.47 | | | | |
| 100 | QPSK | 1 | 1 | 25.00 | 25.00 | 25.00 | | | | |
| 100 | QPSK | 1 | 137 | 24.95 | 24.95 | 24.95 | 26.5 | 0.0 | | |
| 100 | QPSK | 1 | 271 | 24.93 | 24.93 | 24.93 | | | | |
| 100 | QPSK | 135 | 0 | 23.91 | 23.91 | 23.91 | 25.5 | 1.0 | | |
| 100 | QPSK | 135 | 69 | 24.98 | 24.98 | 24.98 | 26.5 | 0.0 | | |
| 100 | QPSK | 135 | 138 | 23.85 | 23.85 | 23.85 | 25.5 | 1.0 | | |
| 100 | QPSK | 270 | 0 | 23.97 | 23.97 | 23.97 | | | | |
| 100 | 16QAM | 1 | 1 | 23.87 | 23.87 | 23.87 | 25.5 | 1.0 | | |
| 100 | 64QAM | 1 | 1 | 22.15 | 22.15 | 22.15 | 24.0 | 2.5 | | |
| 100 | 256QAM | 1 | 1 | 20.05 | 20.05 | 20.05 | 22.0 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 633000 | | | 633668 | MPR | | |
| Frequency (MHz) | | | | 3495 | | | 3500.01 | 3503.02 | 26.5 | 0.0 |
| 80 | QPSK | 1 | 1 | 24.84 | 24.96 | 24.85 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 632668 | | | 633334 | 634000 | MPR | |
| Frequency (MHz) | | | | 3490.02 | | | 3500.01 | 3510.01 | 26.5 | 0.0 |
| 80 | QPSK | 1 | 1 | 24.89 | 24.92 | 24.81 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 632334 | | | 633334 | 634334 | MPR | |
| Frequency (MHz) | | | | 3485.01 | | | 3500.01 | 3515.01 | 26.5 | 0.0 |
| 70 | QPSK | 1 | 1 | 24.83 | 24.85 | 24.78 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 632000 | | | 633334 | 634668 | MPR | |
| Frequency (MHz) | | | | 3480 | | | 3500.01 | 3520.02 | 26.5 | 0.0 |
| 60 | QPSK | 1 | 1 | 24.84 | 24.87 | 24.86 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 631668 | | | 633334 | 635000 | MPR | |
| Frequency (MHz) | | | | 3475.02 | | | 3500.01 | 3525.02 | 26.5 | 0.0 |
| 50 | QPSK | 1 | 1 | 24.90 | 24.92 | 24.80 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 631334 | | | 633334 | 635668 | MPR | |
| Frequency (MHz) | | | | 3470.01 | | | 3500.01 | 3530.01 | 26.5 | 0.0 |
| 40 | QPSK | 1 | 1 | 24.85 | 24.89 | 24.85 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 631000 | | | 633334 | 635968 | MPR | |
| Frequency (MHz) | | | | 3465 | | | 3500.01 | 3535.02 | 26.5 | 0.0 |
| 30 | QPSK | 1 | 1 | 24.87 | 24.96 | 24.76 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 630834 | | | 633334 | 636584 | MPR | |
| Frequency (MHz) | | | | 3462.51 | | | 3500.01 | 3537.51 | 26.5 | 0.0 |
| 25 | QPSK | 1 | 1 | 24.84 | 24.88 | 24.86 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 630568 | | | 633334 | 637000 | MPR | |
| Frequency (MHz) | | | | 3460.02 | | | 3500.01 | 3540 | 26.5 | 0.0 |
| 20 | QPSK | 1 | 1 | 24.80 | 24.96 | 24.86 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 630500 | | | 633334 | 638168 | MPR | |
| Frequency (MHz) | | | | 3457.5 | | | 3500.01 | 3542.52 | 26.5 | 0.0 |
| 15 | QPSK | 1 | 1 | 24.81 | 24.87 | 24.79 | 26.5 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 630334 | | | 633334 | 638334 | MPR | |
| Frequency (MHz) | | | | 3455.01 | | | 3500.01 | 3545.01 | 26.5 | 0.0 |
| 10 | QPSK | 1 | 1 | 24.90 | 24.94 | 24.86 | 26.5 | 0.0 | | |

Part27O n78 Main PA Ant6

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|------|-----|
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 3750 | | | 3750 | 3750 | | |
| 100 | PI2 BPSK | 1 | 1 | 23.10 | 23.10 | 23.10 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 23.26 | 23.26 | 23.26 | 24.0 | 0.0 | | |
| 100 | PI2 BPSK | 1 | 271 | 23.10 | 23.10 | 23.10 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 23.18 | 23.18 | 23.18 | 24.0 | 0.0 | | |
| 100 | PI2 BPSK | 135 | 69 | 23.31 | 23.31 | 23.31 | 24.0 | 0.0 | | |
| 100 | PI2 BPSK | 135 | 138 | 23.17 | 23.17 | 23.17 | 24.0 | 0.0 | | |
| 100 | PI2 BPSK | 270 | 0 | 23.16 | 23.16 | 23.16 | | | | |
| 100 | QPSK | 1 | 1 | 23.36 | 23.36 | 23.36 | | | | |
| 100 | QPSK | 1 | 137 | 23.22 | 23.22 | 23.22 | 24.0 | 0.0 | | |
| 100 | QPSK | 1 | 271 | 23.31 | 23.31 | 23.31 | | | | |
| 100 | QPSK | 135 | 0 | 23.24 | 23.24 | 23.24 | 24.0 | 0.0 | | |
| 100 | QPSK | 135 | 69 | 23.29 | 23.29 | 23.29 | 24.0 | 0.0 | | |
| 100 | QPSK | 135 | 138 | 23.15 | 23.15 | 23.15 | 24.0 | 0.0 | | |
| 100 | QPSK | 270 | 0 | 23.23 | 23.23 | 23.23 | | | | |
| 100 | 16QAM | 1 | 1 | 22.83 | 22.83 | 22.83 | 24.0 | 0.0 | | |
| 100 | 64QAM | 1 | 1 | 22.77 | 22.77 | 22.77 | 24.0 | 0.0 | | |
| 100 | 256QAM | 1 | 1 | 21.48 | 21.48 | 21.48 | 22.5 | 1.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649668 | | | 650000 | 650334 | MPR | |
| Frequency (MHz) | | | | 3745.02 | | | 3750.01 | 3755.01 | 24.0 | 0.0 |
| 80 | QPSK | 1 | 1 | 23.29 | 23.27 | 23.19 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649334 | | | 650000 | 650668 | MPR | |
| Frequency (MHz) | | | | 3740.01 | | | 3750.01 | 3760.02 | 24.0 | 0.0 |
| 80 | QPSK | 1 | 1 | 23.25 | 23.30 | 23.22 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649000 | | | 650000 | 651000 | MPR | |
| Frequency (MHz) | | | | 3735 | | | 3750.01 | 3765.01 | 24.0 | 0.0 |
| 70 | QPSK | 1 | 1 | 23.23 | 23.21 | 23.19 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 648668 | | | 650000 | 651334 | MPR | |
| Frequency (MHz) | | | | 3730.02 | | | 3750.01 | 3760.02 | 24.0 | 0.0 |
| 60 | QPSK | 1 | 1 | 23.19 | 23.25 | 23.14 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 648334 | | | 650000 | 651668 | MPR | |
| Frequency (MHz) | | | | 3725.01 | | | 3750.01 | 3765.02 | 24.0 | 0.0 |
| 50 | QPSK | 1 | 1 | 23.27 | 23.28 | 23.15 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 648000 | | | 650000 | 652000 | MPR | |
| Frequency (MHz) | | | | 3720 | | | 3750.01 | 3780 | 24.0 | 0.0 |
| 40 | QPSK | 1 | 1 | 23.21 | 23.24 | 23.24 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 647668 | | | 650000 | 652334 | MPR | |
| Frequency (MHz) | | | | 3715.02 | | | 3750.01 | 3785.01 | 24.0 | 0.0 |
| 30 | QPSK | 1 | 1 | 23.19 | 23.22 | 23.14 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 647500 | | | 650000 | 652500 | MPR | |
| Frequency (MHz) | | | | 3712.5 | | | 3750.01 | 3787.5 | 24.0 | 0.0 |
| 25 | QPSK | 1 | 1 | 23.20 | 23.28 | 23.14 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 647334 | | | 650000 | 652668 | MPR | |
| Frequency (MHz) | | | | 3710.01 | | | 3750.02 | 3790.02 | 24.0 | 0.0 |
| 20 | QPSK | 1 | 1 | 23.28 | 23.30 | 23.19 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 647168 | | | 650000 | 652834 | MPR | |
| Frequency (MHz) | | | | 3707.52 | | | 3750.01 | 3792.51 | 24.0 | 0.0 |
| 15 | QPSK | 1 | 1 | 23.21 | 23.31 | 23.15 | 24.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 647000 | | | 650000 | 653000 | MPR | |
| Frequency (MHz) | | | | 3705 | | | 3750.01 | 3795 | 24.0 | 0.0 |
| 10 | QPSK | 1 | 1 | 23.21 | 23.28 | 23.13 | 24.0 | 0.0 | | |

Part27O n78 PC2 Main PA Ant6

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|------|-----|
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 3750 | | | 3750 | 3750 | | |
| 100 | PI2 BPSK | 1 | 1 | 26.13 | 26.13 | 26.13 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 26.01 | 26.01 | 26.01 | 27.0 | 0.0 | | |
| 100 | PI2 BPSK | 1 | 271 | 25.93 | 25.93 | 25.93 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 25.88 | 25.88 | 25.88 | 26.5 | 0.5 | | |
| 100 | PI2 BPSK | 135 | 69 | 25.95 | 25.95 | 25.95 | 27.0 | 0.0 | | |
| 100 | PI2 BPSK | 135 | 138 | 25.48 | 25.48 | 25.48 | 26.5 | 0.5 | | |
| 100 | PI2 BPSK | 270 | 0 | 25.54 | 25.54 | 25.54 | | | | |
| 100 | QPSK | 1 | 1 | 26.18 | 26.18 | 26.18 | | | | |
| 100 | QPSK | 1 | 137 | 26.09 | 26.09 | 26.09 | 27.0 | 0.0 | | |
| 100 | QPSK | 1 | 271 | 26.04 | 26.04 | 26.04 | | | | |
| 100 | QPSK | 135 | 0 | 25.04 | 25.04 | 25.04 | 26.0 | 1.0 | | |
| 100 | QPSK | 135 | 69 | 26.12 | 26.12 | 26.12 | 27.0 | 0.0 | | |
| 100 | QPSK | 135 | 138 | 25.02 | 25.02 | 25.02 | 26.0 | 1.0 | | |
| 100 | QPSK | 270 | 0 | 25.08 | 25.08 | 25.08 | | | | |
| 100 | 16QAM | 1 | 1 | 25.04 | 25.04 | 25.04 | 26.0 | 1.0 | | |
| 100 | 64QAM | 1 | 1 | 22.83 | 22.83 | 22.83 | 24.5 | 2.5 | | |
| 100 | 256QAM | 1 | 1 | 21.24 | 21.24 | 21.24 | 22.5 | 4.5 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649668 | | | 650000 | 650334 | MPR | |
| Frequency (MHz) | | | | 3743.02 | | | 3750.01 | 3755.01 | 27.0 | 0.0 |
| 80 | QPSK | 1 | 1 | 26.09 | 26.12 | 26.09 | 27.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649334 | | | 650000 | 650668 | MPR | |
| Frequency (MHz) | | | | 3740.01 | | | 3750.01 | 3760.02 | 27.0 | 0.0 |
| 80 | QPSK | 1 | 1 | 26.04 | 26.08 | 26.06 | 27.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 649000 | | | 650000 | 651000 | MPR | |
| Frequency (MHz) | | | | 3735 | | | 3750.01 | 3765.01 | 27.0 | 0.0 |
| 70 | QPSK | 1 | 1 | 26.00 | 26.06 | 25.98 | 27.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 648668 | | | 650000 | 651334 | MPR | |
| Frequency (MHz) | | | | 3730.02 | | | 3750.01 | 3760.02 | 27.0 | 0.0 |
| 60 | QPSK | 1 | 1 | 26.08 | 26.14 | 26.02 | 27.0 | 0.0 | | |
| Channel | | | | | | | | | | |
| Frequency (MHz) | | | | 648334 | | | 650000 | 651668 | MPR | |
| Frequency (MHz) | | | | 3725.01 | | | 3750.01 | 3775.02 | 27.0 | 0.0 |
| 50 | QPSK | 1 | 1 | 26.07 | 26.08 | 26.07 | 27.0 | | | |



| Part27Q n78 Main PA Ant6 | | | | | | | |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | MPR (dB) |
| Channel | | | | 633334 | | | |
| Frequency (MHz) | | | | 3500.01 | | | |
| 100 | PI/2 BPSK | 1 | 1 | 23.26 | | | |
| 100 | PI/2 BPSK | 1 | 137 | 23.21 | | | 24.0 |
| 100 | PI/2 BPSK | 1 | 271 | 23.28 | | | 24.0 |
| 100 | PI/2 BPSK | 135 | 0 | 23.03 | | | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | 23.20 | | | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | 23.09 | | | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | 23.01 | | | 0.0 |
| 100 | QPSK | 1 | 1 | 23.30 | | | 24.0 |
| 100 | QPSK | 1 | 137 | 23.22 | | | 0.0 |
| 100 | QPSK | 1 | 271 | 23.20 | | | 0.0 |
| 100 | QPSK | 135 | 0 | 23.21 | | | 24.0 |
| 100 | QPSK | 135 | 69 | 23.16 | | | 24.0 |
| 100 | QPSK | 135 | 138 | 23.02 | | | 0.0 |
| 100 | QPSK | 270 | 0 | 23.12 | | | 24.0 |
| 100 | 16QAM | 1 | 1 | 22.89 | | | 24.0 |
| 100 | 64QAM | 1 | 1 | 22.71 | | | 24.0 |
| 100 | 256QAM | 1 | 1 | 21.40 | | | 22.5 |
| Channel | | | | 633000 | 633334 | 633668 | |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3505.02 | |
| 90 | QPSK | 1 | 1 | 23.16 | 23.15 | 23.10 | 24.0 |
| Channel | | | | 632668 | 633334 | 634000 | |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | |
| 80 | QPSK | 1 | 1 | 23.14 | 23.19 | 23.10 | 24.0 |
| Channel | | | | 632334 | 633334 | 634334 | |
| Frequency (MHz) | | | | 3485.01 | 3500.01 | 3515.01 | |
| 70 | QPSK | 1 | 1 | 23.14 | 23.25 | 23.07 | 24.0 |
| Channel | | | | 632000 | 633334 | 634668 | |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3520.02 | |
| 60 | QPSK | 1 | 1 | 23.18 | 23.17 | 23.04 | 24.0 |
| Channel | | | | 631668 | 633334 | 635000 | |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | |
| 50 | QPSK | 1 | 1 | 23.11 | 23.27 | 23.10 | 24.0 |
| Channel | | | | 631334 | 633334 | 635334 | |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3530.01 | |
| 40 | QPSK | 1 | 1 | 23.17 | 23.24 | 23.08 | 24.0 |
| Channel | | | | 631000 | 633334 | 635668 | |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3535.02 | |
| 30 | QPSK | 1 | 1 | 23.09 | 23.27 | 23.09 | 24.0 |
| Channel | | | | 630834 | 633334 | 635934 | |
| Frequency (MHz) | | | | 3462.51 | 3500.01 | 3537.51 | |
| 25 | QPSK | 1 | 1 | 23.19 | 23.26 | 23.14 | 24.0 |
| Channel | | | | 630668 | 633334 | 636000 | |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 | |
| 20 | QPSK | 1 | 1 | 23.17 | 23.15 | 23.12 | 24.0 |
| Channel | | | | 630500 | 633334 | 636168 | |
| Frequency (MHz) | | | | 3457.5 | 3500.01 | 3542.52 | |
| 15 | QPSK | 1 | 1 | 23.18 | 23.22 | 23.13 | 24.0 |
| Channel | | | | 630334 | 633334 | 636334 | |
| Frequency (MHz) | | | | 3455.01 | 3500.01 | 3545.01 | |
| 10 | QPSK | 1 | 1 | 23.11 | 23.20 | 23.11 | 24.0 |

| Part27Q n78 PC2 Main PA Ant6 | | | | | | | |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | MPR (dB) |
| Channel | | | | 633334 | | | |
| Frequency (MHz) | | | | 3500.01 | | | |
| 100 | PI/2 BPSK | 1 | 1 | 28.20 | | | |
| 100 | PI/2 BPSK | 1 | 137 | 28.08 | | | 27.0 |
| 100 | PI/2 BPSK | 1 | 271 | 28.10 | | | 0.0 |
| 100 | PI/2 BPSK | 135 | 0 | 28.74 | | | 0.5 |
| 100 | PI/2 BPSK | 135 | 69 | 28.16 | | | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | 28.60 | | | 0.5 |
| 100 | PI/2 BPSK | 270 | 0 | 28.63 | | | 0.0 |
| 100 | QPSK | 1 | 1 | 28.23 | | | 27.0 |
| 100 | QPSK | 1 | 137 | 28.17 | | | 0.0 |
| 100 | QPSK | 1 | 271 | 28.05 | | | 0.0 |
| 100 | QPSK | 135 | 0 | 28.12 | | | 28.0 |
| 100 | QPSK | 135 | 69 | 28.18 | | | 27.0 |
| 100 | QPSK | 135 | 138 | 28.07 | | | 1.0 |
| 100 | QPSK | 270 | 0 | 28.17 | | | 1.0 |
| 100 | 16QAM | 1 | 1 | 24.96 | | | 28.0 |
| 100 | 64QAM | 1 | 1 | 22.83 | | | 24.5 |
| 100 | 256QAM | 1 | 1 | 21.02 | | | 22.5 |
| Channel | | | | 633000 | 633334 | 633668 | |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3505.02 | |
| 90 | QPSK | 1 | 1 | 28.10 | 28.12 | 28.04 | 27.0 |
| Channel | | | | 632668 | 633334 | 634000 | |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | |
| 80 | QPSK | 1 | 1 | 28.02 | 28.18 | 28.08 | 27.0 |
| Channel | | | | 632334 | 633334 | 634334 | |
| Frequency (MHz) | | | | 3485.01 | 3500.01 | 3515.01 | |
| 70 | QPSK | 1 | 1 | 28.04 | 28.14 | 28.02 | 27.0 |
| Channel | | | | 632000 | 633334 | 634668 | |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3520.02 | |
| 60 | QPSK | 1 | 1 | 28.02 | 28.19 | 28.02 | 27.0 |
| Channel | | | | 631668 | 633334 | 635000 | |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | |
| 50 | QPSK | 1 | 1 | 28.12 | 28.16 | 28.07 | 27.0 |
| Channel | | | | 631334 | 633334 | 635334 | |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3530.01 | |
| 40 | QPSK | 1 | 1 | 28.07 | 28.17 | 28.09 | 27.0 |
| Channel | | | | 631000 | 633334 | 635668 | |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3535.02 | |
| 30 | QPSK | 1 | 1 | 28.05 | 28.10 | 28.09 | 27.0 |
| Channel | | | | 630834 | 633334 | 635934 | |
| Frequency (MHz) | | | | 3462.51 | 3500.01 | 3537.51 | |
| 25 | QPSK | 1 | 1 | 28.11 | 28.10 | 28.00 | 27.0 |
| Channel | | | | 630668 | 633334 | 636000 | |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 | |
| 20 | QPSK | 1 | 1 | 28.12 | 28.20 | 28.04 | 27.0 |
| Channel | | | | 630500 | 633334 | 636168 | |
| Frequency (MHz) | | | | 3457.5 | 3500.01 | 3542.52 | |
| 15 | QPSK | 1 | 1 | 28.05 | 28.08 | 28.09 | 27.0 |
| Channel | | | | 630334 | 633334 | 636334 | |
| Frequency (MHz) | | | | 3455.01 | 3500.01 | 3545.01 | |
| 10 | QPSK | 1 | 1 | 28.07 | 28.09 | 28.03 | 27.0 |



Part270 n77 Main PA Ant7

| BW [MHz] | Modulation | RB Size | RB Offset | Power | | | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
| | | | | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. | | |
| Channel | | | | 3750 | 3840 | 3930 | | |
| Frequency (MHz) | | | | 3750 | 3840 | 3930 | | |
| 100 | PI2 BPSK | 1 | 1 | 20.70 | 20.77 | 20.73 | | |
| 100 | PI2 BPSK | 1 | 137 | 20.53 | 20.67 | 20.60 | | 0.0 |
| 100 | PI2 BPSK | 1 | 271 | 20.53 | 20.58 | 20.51 | | |
| 100 | PI2 BPSK | 135 | 0 | 20.53 | 20.60 | 20.58 | 22.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 69 | 20.64 | 20.71 | 20.59 | 22.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | 20.55 | 20.54 | 20.54 | 22.5 | 0.0 |
| 100 | PI2 BPSK | 270 | 0 | 20.63 | 20.56 | 20.56 | | |
| 100 | QPSK | 1 | 1 | 20.69 | 20.81 | 20.75 | | |
| 100 | QPSK | 1 | 137 | 20.59 | 20.68 | 20.61 | 22.5 | 0.0 |
| 100 | QPSK | 1 | 271 | 20.59 | 20.68 | 20.63 | | |
| 100 | QPSK | 135 | 0 | 20.63 | 20.70 | 20.68 | 22.5 | 0.0 |
| 100 | QPSK | 135 | 69 | 20.72 | 20.76 | 20.69 | 22.5 | 0.0 |
| 100 | QPSK | 135 | 138 | 20.52 | 20.65 | 20.60 | 22.5 | 0.0 |
| 100 | QPSK | 270 | 0 | 20.61 | 20.68 | 20.53 | | |
| 100 | 16QAM | 1 | 1 | 20.53 | 20.62 | 20.68 | 22.5 | 0.0 |
| 100 | 16QAM | 1 | 1 | 20.57 | 20.66 | 20.59 | 22.5 | 0.0 |
| 100 | 256QAM | 1 | 1 | 19.16 | 19.29 | 19.25 | 21.0 | 1.5 |
| Channel | | | | 648668 | 656000 | 662334 | | |
| Frequency (MHz) | | | | 3745.02 | 3840 | 3933.01 | | |
| 90 | QPSK | 1 | 1 | 20.53 | 20.76 | 20.60 | 22.5 | 0.0 |
| Channel | | | | 648334 | 656000 | 662668 | | |
| Frequency (MHz) | | | | 3740.01 | 3840 | 3940.02 | | |
| 80 | QPSK | 1 | 1 | 20.80 | 20.75 | 20.64 | 22.5 | 0.0 |
| Channel | | | | 649000 | 656000 | 663000 | | |
| Frequency (MHz) | | | | 3735 | 3840 | 3945 | | |
| 70 | QPSK | 1 | 1 | 20.59 | 20.67 | 20.70 | 22.5 | 0.0 |
| Channel | | | | 648668 | 656000 | 663334 | | |
| Frequency (MHz) | | | | 3730.02 | 3840 | 3950.01 | | |
| 60 | QPSK | 1 | 1 | 20.58 | 20.68 | 20.70 | 22.5 | 0.0 |
| Channel | | | | 648334 | 656000 | 663668 | | |
| Frequency (MHz) | | | | 3725.01 | 3840 | 3955.02 | | |
| 50 | QPSK | 1 | 1 | 20.66 | 20.76 | 20.65 | 22.5 | 0.0 |
| Channel | | | | 648000 | 656000 | 664000 | | |
| Frequency (MHz) | | | | 3720 | 3840 | 3960 | | |
| 40 | QPSK | 1 | 1 | 20.61 | 20.69 | 20.64 | 22.5 | 0.0 |
| Channel | | | | 647668 | 656000 | 664334 | | |
| Frequency (MHz) | | | | 3715.00 | 3840 | 3965.01 | | |
| 30 | QPSK | 1 | 1 | 20.54 | 20.66 | 20.62 | 22.5 | 0.0 |
| Channel | | | | 647500 | 656000 | 664500 | | |
| Frequency (MHz) | | | | 3712.5 | 3840 | 3967.5 | | |
| 25 | QPSK | 1 | 1 | 20.57 | 20.67 | 20.67 | 22.5 | 0.0 |
| Channel | | | | 647334 | 656000 | 664668 | | |
| Frequency (MHz) | | | | 3710.01 | 3840 | 3970.02 | | |
| 20 | QPSK | 1 | 1 | 20.62 | 20.75 | 20.63 | 22.5 | 0.0 |
| Channel | | | | 647168 | 656000 | 664834 | | |
| Frequency (MHz) | | | | 3707.52 | 3840 | 3972.51 | | |
| 15 | QPSK | 1 | 1 | 20.59 | 20.70 | 20.72 | 22.5 | 0.0 |
| Channel | | | | 647000 | 656000 | 665000 | | |
| Frequency (MHz) | | | | 3705 | 3840 | 3975 | | |
| 10 | QPSK | 1 | 1 | 20.65 | 20.71 | 20.69 | 22.5 | 0.0 |

Part270 n77 PC2 Main PA Ant7

| BW [MHz] | Modulation | RB Size | RB Offset | Power | | | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
| | | | | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. | | |
| Channel | | | | 3750 | 3840 | 3930 | | |
| Frequency (MHz) | | | | 3750 | 3840 | 3930 | | |
| 100 | PI2 BPSK | 1 | 1 | 23.74 | 23.78 | 23.69 | | |
| 100 | PI2 BPSK | 1 | 137 | 23.60 | 23.73 | 23.68 | 25.5 | 0.0 |
| 100 | PI2 BPSK | 1 | 271 | 23.61 | 23.68 | 23.55 | | |
| 100 | PI2 BPSK | 135 | 0 | 23.20 | 23.32 | 23.26 | 25.0 | 0.5 |
| 100 | PI2 BPSK | 135 | 69 | 23.69 | 23.75 | 23.61 | 25.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | 23.20 | 23.27 | 23.23 | 25.0 | 0.5 |
| 100 | PI2 BPSK | 270 | 0 | 23.18 | 23.26 | 23.22 | | |
| 100 | QPSK | 1 | 1 | 23.77 | 23.82 | 23.72 | | |
| 100 | QPSK | 1 | 137 | 23.71 | 23.75 | 23.67 | 25.5 | 0.0 |
| 100 | QPSK | 1 | 271 | 23.59 | 23.67 | 23.52 | | |
| 100 | QPSK | 135 | 0 | 22.84 | 22.73 | 22.84 | 24.5 | 1.0 |
| 100 | QPSK | 135 | 69 | 23.63 | 23.77 | 23.68 | 25.5 | 0.0 |
| 100 | QPSK | 135 | 138 | 22.67 | 22.70 | 22.57 | 24.5 | 1.0 |
| 100 | QPSK | 270 | 0 | 22.62 | 22.74 | 22.64 | | |
| 100 | 16QAM | 1 | 1 | 22.84 | 22.89 | 22.59 | 24.5 | 1.0 |
| 100 | 16QAM | 1 | 1 | 21.12 | 21.17 | 21.21 | 23.0 | 2.5 |
| 100 | 256QAM | 1 | 1 | 19.26 | 19.34 | 19.30 | 21.0 | 4.5 |
| Channel | | | | 648668 | 656000 | 662334 | | |
| Frequency (MHz) | | | | 3745.02 | 3840 | 3933.01 | | |
| 90 | QPSK | 1 | 1 | 23.65 | 23.67 | 23.59 | 25.5 | 0.0 |
| Channel | | | | 648334 | 656000 | 662668 | | |
| Frequency (MHz) | | | | 3740.01 | 3840 | 3940.02 | | |
| 80 | QPSK | 1 | 1 | 23.64 | 23.74 | 23.67 | 25.5 | 0.0 |
| Channel | | | | 649000 | 656000 | 663000 | | |
| Frequency (MHz) | | | | 3735 | 3840 | 3945 | | |
| 70 | QPSK | 1 | 1 | 23.70 | 23.70 | 23.65 | 25.5 | 0.0 |
| Channel | | | | 648668 | 656000 | 663334 | | |
| Frequency (MHz) | | | | 3730.02 | 3840 | 3950.01 | | |
| 60 | QPSK | 1 | 1 | 23.65 | 23.75 | 23.60 | 25.5 | 0.0 |
| Channel | | | | 648334 | 656000 | 663668 | | |
| Frequency (MHz) | | | | 3725.01 | 3840 | 3955.02 | | |
| 50 | QPSK | 1 | 1 | 23.71 | 23.69 | 23.62 | 25.5 | 0.0 |
| Channel | | | | 648000 | 656000 | 664000 | | |
| Frequency (MHz) | | | | 3720 | 3840 | 3960 | | |
| 40 | QPSK | 1 | 1 | 23.63 | 23.78 | 23.65 | 25.5 | 0.0 |
| Channel | | | | 647668 | 656000 | 664334 | | |
| Frequency (MHz) | | | | 3715.00 | 3840 | 3965.01 | | |
| 30 | QPSK | 1 | 1 | 23.67 | 23.68 | 23.63 | 25.5 | 0.0 |
| Channel | | | | 647500 | 656000 | 664500 | | |
| Frequency (MHz) | | | | 3712.5 | 3840 | 3967.5 | | |
| 25 | QPSK | 1 | 1 | 23.68 | 23.70 | 23.57 | 25.5 | 0.0 |
| Channel | | | | 647334 | 656000 | 664668 | | |
| Frequency (MHz) | | | | 3710.01 | 3840 | 3970.02 | | |
| 20 | QPSK | 1 | 1 | 23.70 | 23.78 | 23.64 | 25.5 | 0.0 |
| Channel | | | | 647168 | 656000 | 664834 | | |
| Frequency (MHz) | | | | 3707.52 | 3840 | 3972.51 | | |
| 15 | QPSK | 1 | 1 | 23.64 | 23.71 | 23.57 | 25.5 | 0.0 |
| Channel | | | | 647000 | 656000 | 665000 | | |
| Frequency (MHz) | | | | 3705 | 3840 | 3975 | | |
| 10 | QPSK | 1 | 1 | 23.64 | 23.74 | 23.61 | 25.5 | 0.0 |

Part27Q n77 Main PA Ant7

| BW [MHz] | Modulation | RB Size | RB Offset | Power | | | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
| | | | | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. | | |
| Channel | | | | 3500.01 | | | | |
| Frequency (MHz) | | | | 3500.01 | | | | |
| 100 | PI2 BPSK | 1 | 1 | 20.94 | | | | |
| 100 | PI2 BPSK | 1 | 137 | 20.87 | | | 22.5 | 0.0 |
| 100 | PI2 BPSK | 1 | 271 | 20.79 | | | | |
| 100 | PI2 BPSK | 135 | 0 | 20.80 | | | 22.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 69 | 20.94 | | | 22.5 | 0.0 |
| 100 | PI2 BPSK | 135 | 138 | 20.69 | | | 22.5 | 0.0 |
| 100 | PI2 BPSK | 270 | 0 | 20.87 | | | | |
| 100 | QPSK | 1 | 1 | 20.96 | | | | |
| 100 | QPSK | 1 | 137 | 20.85 | | | 22.5 | 0.0 |
| 100 | QPSK | 1 | 271 | 20.90 | | | | |
| 100 | QPSK | 135 | 0 | 20.87 | | | 22.5 | 0.0 |
| 100 | QPSK | 135 | 69 | 20.93 | | | 22.5 | 0.0 |
| 100 | QPSK | 135 | 138 | 20.80 | | | 22.5 | 0.0 |
| 100 | QPSK | 270 | 0 | 20.87 | | | | |
| 100 | 16QAM | 1 | 1 | 20.57 | | | 22.5 | 0.0 |
| 100 | 16QAM | 1 | 1 | 20.63 | | | 22.5 | 0.0 |
| 100 | 256QAM | 1 | 1 | 19.28 | | | 21.0 | 1.5 |
| Channel | | | | 633000 | 633334 | 633668 | | |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3505.02 | | |
| 90 | QPSK | 1 | 1 | 20.90 | 20.95 | 20.85 | 22.5 | 0.0 |
| Channel | | | | 632668 | 633334 | 634000 | | |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | | |
| 80 | QPSK | 1 | 1 | 20.84 | 20.87 | 20.78 | 22.5 | 0.0 |
| Channel | | | | 632334 | 633334 | 634334 | | |
| Frequency (MHz) | | | | 3485.01 | 3500.01 | 3515.01 | | |
| 70 | QPSK | 1 | 1 | 20.81 | 20.88 | 20.74 | 22.5 | 0.0 |
| Channel | | | | 632000 | 633334 | 634668 | | |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3520.02 | | |
| 60 | QPSK | 1 | 1 | 20.87 | 20.89 | 20.86 | 22.5 | 0.0 |
| Channel | | | | 631668 | 633334 | 635000 | | |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | | |
| 50 | QPSK | 1 | 1 | 20.83 | 20.86 | 20.81 | 22.5 | 0.0 |
| Channel | | | | 631334 | 633334 | 635334 | | |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3530.01 | | |
| 40 | QPSK | 1 | 1 | 20.79 | 20.87 | 20.74 | 22.5 | 0.0 |
| Channel | | | | 631000 | 633334 | 635668 | | |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3535.02 | | |
| 30 | QPSK | 1 | 1 | 20.81 | 20.83 | 20.77 | 22.5 | 0.0 |
| Channel | | | | 630834 | 633334 | 635834 | | |
| Frequency (MHz) | | | | 3462.51 | 3500.01 | 3537.51 | | |
| 25 | QPSK | 1 | 1 | 20.80 | 20.88 | 20.77 | 22.5 | 0.0 |
| Channel | | | | 630500 | 633334 | 636000 | | |
| Frequency (MHz) | | | | 3450.02 | 3500.01 | 3540 | | |
| 20 | QPSK | 1 | 1 | 20.84 | 20.94 | 20.83 | 22.5 | 0.0 |
| Channel | | | | 630000 | 633334 | 636168 | | |
| Frequency (MHz) | | | | 3452.51 | 3500.01 | 3542.52 | | |
| 15 | QPSK | 1 | 1 | 2 | | | | |



Part27Q n77 PC2 Main PA Ant7

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel | | | | 3500.01 | | | | |
| Frequency (MHz) | | | | 3500.01 | | | | |
| 100 | PV2 BPSK | 1 | 1 | 23.80 | | | | |
| 100 | PV2 BPSK | 1 | 137 | 23.86 | | | 25.5 | 0.0 |
| 100 | PV2 BPSK | 1 | 271 | 23.83 | | | | |
| 100 | PV2 BPSK | 135 | 0 | 23.32 | | | 25.0 | 0.5 |
| 100 | PV2 BPSK | 135 | 69 | 23.73 | | | 25.5 | 0.0 |
| 100 | PV2 BPSK | 135 | 138 | 23.24 | | | 25.0 | 0.5 |
| 100 | PV2 BPSK | 270 | 0 | 23.32 | | | | |
| 100 | QPSK | 1 | 1 | 23.83 | | | | |
| 100 | QPSK | 1 | 137 | 23.77 | | | 25.5 | 0.0 |
| 100 | QPSK | 1 | 271 | 23.65 | | | | |
| 100 | QPSK | 135 | 0 | 22.71 | | | 24.5 | 1.0 |
| 100 | QPSK | 135 | 69 | 23.78 | | | 25.5 | 0.0 |
| 100 | QPSK | 135 | 138 | 22.74 | | | 24.5 | 1.0 |
| 100 | QPSK | 270 | 0 | 22.77 | | | | |
| 100 | 16QAM | 1 | 1 | 22.57 | | | 24.5 | 1.0 |
| 100 | 16QAM | 1 | 1 | 21.30 | | | 23.0 | 2.5 |
| 100 | 256QAM | 1 | 1 | 19.16 | | | 21.0 | 4.5 |
| Channel | | | | 633000 | 633334 | 633668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3505.02 | | |
| 90 | QPSK | 1 | 1 | 23.69 | 23.93 | 23.74 | 25.5 | 0.0 |
| Channel | | | | 632668 | 633334 | 634000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | | |
| 80 | QPSK | 1 | 1 | 23.85 | 23.72 | 23.73 | 25.5 | 0.0 |
| Channel | | | | 632334 | 633334 | 634334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3485.01 | 3500.01 | 3515.01 | | |
| 70 | QPSK | 1 | 1 | 23.73 | 23.68 | 23.71 | 25.5 | 0.0 |
| Channel | | | | 632000 | 633334 | 634668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3520.02 | | |
| 60 | QPSK | 1 | 1 | 23.76 | 23.79 | 23.68 | 25.5 | 0.0 |
| Channel | | | | 631668 | 633334 | 635000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | | |
| 50 | QPSK | 1 | 1 | 23.69 | 23.74 | 23.71 | 25.5 | 0.0 |
| Channel | | | | 631334 | 633334 | 635334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3530.01 | | |
| 40 | QPSK | 1 | 1 | 23.74 | 23.69 | 23.66 | 25.5 | 0.0 |
| Channel | | | | 631000 | 633334 | 635668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3535.02 | | |
| 30 | QPSK | 1 | 1 | 23.67 | 23.70 | 23.68 | 25.5 | 0.0 |
| Channel | | | | 630668 | 633334 | 635834 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3462.51 | 3500.01 | 3537.51 | | |
| 25 | QPSK | 1 | 1 | 23.73 | 23.68 | 23.63 | 25.5 | 0.0 |
| Channel | | | | 630334 | 633334 | 636000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 | | |
| 20 | QPSK | 1 | 1 | 23.75 | 23.76 | 23.63 | 25.5 | 0.0 |
| Channel | | | | 630000 | 633334 | 636168 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3455.01 | 3500.01 | 3542.52 | | |
| 15 | QPSK | 1 | 1 | 23.69 | 23.68 | 23.67 | 25.5 | 0.0 |
| Channel | | | | 629334 | 633334 | 636334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3450.01 | 3500.01 | 3545.01 | | |
| 10 | QPSK | 1 | 1 | 23.70 | 23.77 | 23.64 | 25.5 | 0.0 |

Part27O n78 Main PA Ant7

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel | | | | 3750 | | | | |
| Frequency (MHz) | | | | 3750 | | | | |
| 100 | PV2 BPSK | 1 | 1 | 21.96 | | | | |
| 100 | PV2 BPSK | 1 | 137 | 21.93 | | | 23.0 | 0.0 |
| 100 | PV2 BPSK | 1 | 271 | 21.70 | | | | |
| 100 | PV2 BPSK | 135 | 0 | 21.77 | | | 23.0 | 0.0 |
| 100 | PV2 BPSK | 135 | 69 | 21.87 | | | 23.0 | 0.0 |
| 100 | PV2 BPSK | 135 | 138 | 21.70 | | | 23.0 | 0.0 |
| 100 | PV2 BPSK | 270 | 0 | 21.83 | | | | |
| 100 | QPSK | 1 | 1 | 21.99 | | | | |
| 100 | QPSK | 1 | 137 | 21.82 | | | 23.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 21.95 | | | | |
| 100 | QPSK | 135 | 0 | 21.83 | | | 23.0 | 0.0 |
| 100 | QPSK | 135 | 69 | 21.94 | | | 23.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 21.80 | | | 23.0 | 0.0 |
| 100 | QPSK | 270 | 0 | 21.85 | | | | |
| 100 | 16QAM | 1 | 1 | 21.78 | | | 23.0 | 0.0 |
| 100 | 16QAM | 1 | 1 | 21.45 | | | 23.0 | 0.0 |
| 100 | 256QAM | 1 | 1 | 20.47 | | | 21.5 | 1.5 |
| Channel | | | | 649668 | 650000 | 650334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3745.02 | 3750 | 3755.01 | | |
| 90 | QPSK | 1 | 1 | 21.89 | 21.93 | 21.84 | 23.0 | 0.0 |
| Channel | | | | 649334 | 650000 | 650668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3740.01 | 3750 | 3760.02 | | |
| 80 | QPSK | 1 | 1 | 21.79 | 21.89 | 21.78 | 23.0 | 0.0 |
| Channel | | | | 649000 | 650000 | 651000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3735 | 3750 | 3765 | | |
| 70 | QPSK | 1 | 1 | 21.90 | 21.94 | 21.79 | 23.0 | 0.0 |
| Channel | | | | 648668 | 650000 | 651334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3730.02 | 3750 | 3770.01 | | |
| 60 | QPSK | 1 | 1 | 21.87 | 21.88 | 21.77 | 23.0 | 0.0 |
| Channel | | | | 648334 | 650000 | 651668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3725.01 | 3750 | 3775.02 | | |
| 50 | QPSK | 1 | 1 | 21.83 | 21.87 | 21.83 | 23.0 | 0.0 |
| Channel | | | | 648000 | 650000 | 652000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3720 | 3750 | 3780 | | |
| 40 | QPSK | 1 | 1 | 21.82 | 21.91 | 21.73 | 23.0 | 0.0 |
| Channel | | | | 647668 | 650000 | 652334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3715.02 | 3750 | 3785.01 | | |
| 30 | QPSK | 1 | 1 | 21.82 | 21.94 | 21.72 | 23.0 | 0.0 |
| Channel | | | | 647300 | 650000 | 652500 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3712.5 | 3750 | 3787.5 | | |
| 25 | QPSK | 1 | 1 | 21.87 | 21.88 | 21.84 | 23.0 | 0.0 |
| Channel | | | | 647000 | 650000 | 652668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3710.01 | 3750 | 3790.02 | | |
| 20 | QPSK | 1 | 1 | 21.81 | 21.90 | 21.72 | 23.0 | 0.0 |
| Channel | | | | 647168 | 650000 | 652834 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3707.52 | 3750 | 3792.51 | | |
| 15 | QPSK | 1 | 1 | 21.89 | 21.84 | 21.72 | 23.0 | 0.0 |
| Channel | | | | 647000 | 650000 | 653000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3705 | 3750 | 3795 | | |
| 10 | QPSK | 1 | 1 | 21.83 | 21.85 | 21.77 | 23.0 | 0.0 |

Part27O n78 PC2 Main PA Ant7

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel | | | | 3750 | | | | |
| Frequency (MHz) | | | | 3750 | | | | |
| 100 | PV2 BPSK | 1 | 1 | 24.86 | | | | |
| 100 | PV2 BPSK | 1 | 137 | 24.76 | | | 26.0 | 0.0 |
| 100 | PV2 BPSK | 1 | 271 | 24.79 | | | | |
| 100 | PV2 BPSK | 135 | 0 | 24.40 | | | 25.5 | 0.5 |
| 100 | PV2 BPSK | 135 | 69 | 24.76 | | | 26.0 | 0.0 |
| 100 | PV2 BPSK | 135 | 138 | 24.28 | | | 25.5 | 0.5 |
| 100 | PV2 BPSK | 270 | 0 | 24.39 | | | | |
| 100 | QPSK | 1 | 1 | 24.54 | | | | |
| 100 | QPSK | 1 | 137 | 24.85 | | | 26.0 | 0.0 |
| 100 | QPSK | 1 | 271 | 24.78 | | | | |
| 100 | QPSK | 135 | 0 | 23.79 | | | 25.0 | 1.0 |
| 100 | QPSK | 135 | 69 | 24.88 | | | 26.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 23.77 | | | 25.0 | 1.0 |
| 100 | QPSK | 270 | 0 | 23.87 | | | | |
| 100 | 16QAM | 1 | 1 | 23.70 | | | 25.0 | 1.0 |
| 100 | 16QAM | 1 | 1 | 21.99 | | | 23.5 | 2.5 |
| 100 | 256QAM | 1 | 1 | 20.48 | | | 21.5 | 4.5 |
| Channel | | | | 649668 | 650000 | 650334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3745.02 | 3750 | 3755.01 | | |
| 90 | QPSK | 1 | 1 | 24.70 | 24.83 | 24.71 | 26.0 | 0.0 |
| Channel | | | | 649334 | 650000 | 650668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3740.01 | 3750 | 3760.02 | | |
| 80 | QPSK | 1 | 1 | 24.88 | 24.82 | 24.89 | 26.0 | 0.0 |
| Channel | | | | 649000 | 650000 | 651000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3735 | 3750 | 3765 | | |
| 70 | QPSK | 1 | 1 | 24.87 | 24.90 | 24.71 | 26.0 | 0.0 |
| Channel | | | | 648668 | 650000 | 651334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3730.02 | 3750 | 3770.01 | | |
| 60 | QPSK | 1 | 1 | 24.82 | 24.81 | 24.77 | 26.0 | 0.0 |
| Channel | | | | 648334 | 650000 | 651668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3725.01 | 3750 | 3775.02 | | |
| 50 | QPSK | 1 | 1 | 24.77 | 24.88 | 24.70 | 26.0 | 0.0 |
| Channel | | | | 648000 | 650000 | 652000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3720 | 3750 | 3780 | | |
| 40 | QPSK | 1 | 1 | 24.80 | 24.90 | 24.68 | 26.0 | 0.0 |
| Channel | | | | 647668 | 650000 | 652334 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3715.02 | 3750 | 3785.01 | | |
| 30 | QPSK | 1 | 1 | 24.84 | 24.89 | 24.67 | 26.0 | 0.0 |
| Channel | | | | 647300 | 650000 | 652500 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3712.5 | 3750 | 3787.5 | | |
| 25 | QPSK | 1 | 1 | 24.83 | 24.82 | 24.74 | 26.0 | 0.0 |
| Channel | | | | 647000 | 650000 | 652668 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3710.01 | 3750 | 3790.02 | | |
| 20 | QPSK | 1 | 1 | 24.88 | 24.82 | 24.72 | 26.0 | 0.0 |
| Channel | | | | 647168 | 650000 | 652834 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3707.52 | 3750 | 3792.51 | | |
| 15 | QPSK | 1 | 1 | 24.87 | 24.89 | 24.71 | 26.0 | 0.0 |
| Channel | | | | 647000 | 650000 | 653000 | Tune-up limit (dB) | MPR (dB) |
| Frequency (MHz) | | | | 3705 | 3750 | 3795 | | |
| 10 | QPSK | 1 | 1 | 24.87 | 24.8 | | | |



Part27Q n78 Main PA Ant7

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 633334 | | | | |
| Frequency (MHz) | | | | 3500.01 | | | | |
| 100 | PI/2 BPSK | 1 | 1 | 22.12 | | | | |
| 100 | PI/2 BPSK | 1 | 137 | 22.15 | | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 271 | 21.97 | | | | |
| 100 | PI/2 BPSK | 135 | 0 | 22.03 | | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | 22.14 | | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | 21.89 | | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | 22.04 | | | | |
| 100 | QPSK | 1 | 1 | 22.17 | | | 23.0 | 0.0 |
| 100 | QPSK | 1 | 137 | 22.04 | | | | |
| 100 | QPSK | 1 | 271 | 22.18 | | | | |
| 100 | QPSK | 135 | 0 | 22.02 | | | 23.0 | 0.0 |
| 100 | QPSK | 135 | 69 | 22.13 | | | 23.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 22.01 | | | 23.0 | 0.0 |
| 100 | QPSK | 270 | 0 | 22.04 | | | | |
| 100 | 16QAM | 1 | 1 | 21.97 | | | 23.0 | 0.0 |
| 100 | 64QAM | 1 | 1 | 21.83 | | | 23.0 | 0.0 |
| 100 | 256QAM | 1 | 1 | 20.61 | | | 21.5 | 1.5 |
| Channel | | | | 633000 | 633334 | 633668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3505.02 | 23.0 | 0.0 |
| 90 | QPSK | 1 | 1 | 21.97 | 22.13 | 22.04 | | |
| Channel | | | | 632668 | 633334 | 634000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | | |
| 80 | QPSK | 1 | 1 | 22.01 | 22.05 | 22.01 | 23.0 | 0.0 |
| Channel | | | | 632334 | 633334 | 634334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3485.01 | 3500.01 | 3515.01 | | |
| 70 | QPSK | 1 | 1 | 21.95 | 22.04 | 22.01 | 23.0 | 0.0 |
| Channel | | | | 632000 | 633334 | 634668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3520.02 | | |
| 60 | QPSK | 1 | 1 | 21.98 | 22.03 | 22.05 | 23.0 | 0.0 |
| Channel | | | | 631668 | 633334 | 635000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | | |
| 50 | QPSK | 1 | 1 | 22.00 | 22.05 | 21.99 | 23.0 | 0.0 |
| Channel | | | | 631334 | 633334 | 635334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3530.01 | | |
| 40 | QPSK | 1 | 1 | 22.04 | 22.05 | 22.02 | 23.0 | 0.0 |
| Channel | | | | 631000 | 633334 | 635668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3535.02 | | |
| 30 | QPSK | 1 | 1 | 21.98 | 22.07 | 21.99 | 23.0 | 0.0 |
| Channel | | | | 630634 | 633334 | 635934 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3462.51 | 3500.01 | 3537.51 | | |
| 25 | QPSK | 1 | 1 | 22.05 | 22.06 | 22.03 | 23.0 | 0.0 |
| Channel | | | | 630368 | 633334 | 636300 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 | | |
| 20 | QPSK | 1 | 1 | 21.97 | 22.13 | 22.00 | 23.0 | 0.0 |
| Channel | | | | 630500 | 633334 | 636168 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3457.5 | 3500.01 | 3542.52 | | |
| 15 | QPSK | 1 | 1 | 21.96 | 22.10 | 22.09 | 23.0 | 0.0 |
| Channel | | | | 630334 | 633334 | 636334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3455.01 | 3500.01 | 3545.01 | | |
| 10 | QPSK | 1 | 1 | 22.02 | 22.12 | 22.03 | 23.0 | 0.0 |

Part27Q n78 PC2 Main PA Ant7

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 633334 | | | | |
| Frequency (MHz) | | | | 3500.01 | | | | |
| 100 | PI/2 BPSK | 1 | 1 | 24.73 | | | | |
| 100 | PI/2 BPSK | 1 | 137 | 24.70 | | | 26.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 271 | 24.63 | | | | |
| 100 | PI/2 BPSK | 135 | 0 | 24.29 | | | 25.5 | 0.5 |
| 100 | PI/2 BPSK | 135 | 69 | 24.67 | | | 26.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | 24.27 | | | 25.5 | 0.5 |
| 100 | PI/2 BPSK | 270 | 0 | 24.27 | | | | |
| 100 | QPSK | 1 | 1 | 24.79 | | | 26.0 | 0.0 |
| 100 | QPSK | 1 | 137 | 24.72 | | | | |
| 100 | QPSK | 1 | 271 | 24.65 | | | | |
| 100 | QPSK | 135 | 0 | 23.72 | | | 25.0 | 1.0 |
| 100 | QPSK | 135 | 69 | 24.71 | | | 26.0 | 0.0 |
| 100 | QPSK | 135 | 138 | 23.78 | | | 25.0 | 1.0 |
| 100 | QPSK | 270 | 0 | 23.78 | | | | |
| 100 | 16QAM | 1 | 1 | 23.72 | | | 25.0 | 1.0 |
| 100 | 64QAM | 1 | 1 | 22.26 | | | 23.5 | 2.5 |
| 100 | 256QAM | 1 | 1 | 20.61 | | | 21.5 | 4.5 |
| Channel | | | | 633000 | 633334 | 633668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3505.02 | 26.0 | 0.0 |
| 90 | QPSK | 1 | 1 | 24.52 | 24.70 | 24.57 | | |
| Channel | | | | 632668 | 633334 | 634000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | | |
| 80 | QPSK | 1 | 1 | 24.61 | 24.68 | 24.54 | 26.0 | 0.0 |
| Channel | | | | 632334 | 633334 | 634334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3485.01 | 3500.01 | 3515.01 | | |
| 70 | QPSK | 1 | 1 | 24.65 | 24.70 | 24.63 | 26.0 | 0.0 |
| Channel | | | | 632000 | 633334 | 634668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3520.02 | | |
| 60 | QPSK | 1 | 1 | 24.67 | 24.66 | 24.61 | 26.0 | 0.0 |
| Channel | | | | 631668 | 633334 | 635000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | | |
| 50 | QPSK | 1 | 1 | 24.61 | 24.74 | 24.54 | 26.0 | 0.0 |
| Channel | | | | 631334 | 633334 | 635334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3530.01 | | |
| 40 | QPSK | 1 | 1 | 24.67 | 24.67 | 24.55 | 26.0 | 0.0 |
| Channel | | | | 631000 | 633334 | 635668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3465 | 3500.01 | 3535.02 | | |
| 30 | QPSK | 1 | 1 | 24.66 | 24.73 | 24.57 | 26.0 | 0.0 |
| Channel | | | | 630634 | 633334 | 635934 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3462.51 | 3500.01 | 3537.51 | | |
| 25 | QPSK | 1 | 1 | 24.68 | 24.65 | 24.63 | 26.0 | 0.0 |
| Channel | | | | 630368 | 633334 | 636300 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 | | |
| 20 | QPSK | 1 | 1 | 24.67 | 24.68 | 24.59 | 26.0 | 0.0 |
| Channel | | | | 630500 | 633334 | 636168 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3457.5 | 3500.01 | 3542.52 | | |
| 15 | QPSK | 1 | 1 | 24.65 | 24.71 | 24.57 | 26.0 | 0.0 |
| Channel | | | | 630334 | 633334 | 636334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3455.01 | 3500.01 | 3545.01 | | |
| 10 | QPSK | 1 | 1 | 24.57 | 24.64 | 24.54 | 26.0 | 0.0 |



DSI 0 Power for FR1 Main PA

| n5 Main PA Ant0 | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 166800 | 167300 | 167800 | | |
| Frequency (MHz) | | | | 834 | 836.5 | 839 | | |
| 20 | PI/2 BPSK | 1 | 1 | 24.48 | 24.57 | 24.51 | | |
| 20 | PI/2 BPSK | 1 | 53 | 24.41 | 24.51 | 24.38 | 25.5 | 0.0 |
| 20 | PI/2 BPSK | 1 | 104 | 24.33 | 24.46 | 24.39 | | |
| 20 | PI/2 BPSK | 50 | 0 | 24.16 | 24.21 | 24.15 | | |
| 20 | PI/2 BPSK | 50 | 28 | 24.54 | 24.59 | 24.51 | 25.5 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 24.12 | 24.21 | 24.17 | 25.0 | 0.5 |
| 20 | PI/2 BPSK | 100 | 0 | 24.13 | 24.18 | 24.10 | | |
| 20 | QPSK | 1 | 1 | 24.52 | 24.63 | 24.48 | 25.5 | 0.0 |
| 20 | QPSK | 1 | 53 | 24.43 | 24.53 | 24.41 | | |
| 20 | QPSK | 1 | 104 | 24.37 | 24.46 | 24.33 | | |
| 20 | QPSK | 50 | 0 | 23.65 | 23.71 | 23.61 | 24.5 | 1.0 |
| 20 | QPSK | 50 | 28 | 24.56 | 24.61 | 24.54 | 25.5 | 0.0 |
| 20 | QPSK | 50 | 56 | 23.49 | 23.62 | 23.53 | 24.5 | 1.0 |
| 20 | QPSK | 100 | 0 | 23.60 | 23.66 | 23.52 | | |
| 20 | 16QAM | 1 | 1 | 23.28 | 23.34 | 23.31 | 24.5 | 1.0 |
| 20 | 64QAM | 1 | 1 | 21.84 | 21.93 | 21.83 | 23.0 | 2.5 |
| 20 | 256QAM | 1 | 1 | 20.66 | 20.69 | 20.61 | 21.0 | 4.5 |
| Channel | | | | 166300 | 167300 | 168300 | | |
| Frequency (MHz) | | | | 831.5 | 836.5 | 841.5 | | |
| 15 | QPSK | 1 | 1 | 24.48 | 24.53 | 24.44 | 25.5 | 0.0 |
| Channel | | | | 165800 | 167300 | 168800 | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | |
| 10 | QPSK | 1 | 1 | 24.55 | 24.59 | 24.40 | 25.5 | 0.0 |
| Channel | | | | 165300 | 167300 | 169300 | | |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | |
| 5 | QPSK | 1 | 1 | 24.50 | 24.57 | 24.49 | 25.5 | 0.0 |