



REPORT No.: SZ22120068S01

Annex E Conducted Power

Full Power

| GSM850 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) | Ch Delta > 0.5 |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|----------------|
| | 128 | 189 | 251 | | 128 | 189 | 251 | | |
| TX Channel | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | | |
| GSM 1 Tx slot | 32.07 | 32.21 | 32.16 | 33.00 | 23.07 | 23.21 | 23.16 | 24.00 | 0.15 |
| GPRS 1 Tx slot | 32.08 | 32.22 | 32.15 | 33.00 | 23.08 | 23.22 | 23.15 | 24.00 | |
| GPRS 2 Tx slots | 30.12 | 30.15 | 30.11 | 31.00 | 24.12 | 24.15 | 24.11 | 25.00 | 0.04 |
| GPRS 3 Tx slots | 28.11 | 28.12 | 28.22 | 29.00 | 23.85 | 23.86 | 23.96 | 24.74 | 0.11 |
| GPRS 4 Tx slots | 25.52 | 25.60 | 25.54 | 26.50 | 22.52 | 22.60 | 22.54 | 23.50 | 0.08 |
| EDGE 1 Tx slot | 25.26 | 25.33 | 25.28 | 26.00 | 16.26 | 16.33 | 16.28 | 17.00 | 0.07 |
| EDGE 2 Tx slots | 24.39 | 24.54 | 24.51 | 25.50 | 18.39 | 18.54 | 18.51 | 19.50 | 0.15 |
| EDGE 3 Tx slots | 23.37 | 23.42 | 23.36 | 24.00 | 19.11 | 19.16 | 19.10 | 19.74 | 0.06 |
| EDGE 4 Tx slots | 20.51 | 20.61 | 20.54 | 21.50 | 17.51 | 17.61 | 17.54 | 18.50 | 0.10 |
| Mode | | Max. | 32.22 | | | Max. | 24.15 | | |
| Attenuator | Cable Loss : 0.6 | | | | | | | | |

| GSM1900 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) | Ch Delta > 0.5 |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|----------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | | |
| TX Channel | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | | |
| GSM 1 Tx slot | 29.11 | 29.21 | 29.08 | 30.00 | 20.11 | 20.21 | 20.08 | 21.00 | 0.13 |
| GPRS 1 Tx slot | 29.12 | 29.20 | 29.09 | 30.00 | 20.12 | 20.20 | 20.09 | 21.00 | |
| GPRS 2 Tx slots | 26.69 | 26.77 | 26.68 | 27.50 | 20.69 | 20.77 | 20.68 | 21.50 | 0.09 |
| GPRS 3 Tx slots | 25.15 | 25.21 | 25.18 | 26.00 | 20.89 | 20.95 | 20.92 | 21.74 | 0.06 |
| GPRS 4 Tx slots | 23.17 | 23.21 | 23.19 | 24.00 | 20.17 | 20.21 | 20.19 | 21.00 | 0.04 |
| EDGE 1 Tx slot | 25.38 | 25.42 | 25.31 | 26.00 | 16.38 | 16.42 | 16.31 | 17.00 | 0.11 |
| EDGE 2 Tx slots | 24.36 | 24.41 | 24.31 | 25.00 | 18.36 | 18.41 | 18.31 | 19.00 | 0.10 |
| EDGE 3 Tx slots | 22.28 | 22.36 | 22.32 | 23.00 | 18.02 | 18.10 | 18.06 | 18.74 | 0.08 |
| EDGE 4 Tx slots | 20.26 | 20.35 | 20.29 | 21.00 | 17.26 | 17.35 | 17.29 | 18.00 | 0.09 |
| Mode | | Max. | 29.21 | | | Max. | 20.95 | | |
| Attenuator | Cable Loss : 0.8 | | | | | | | | |

| Band | WCDMA Band II (dBm) | Tune-up Limit (dBm) | WCDMA Band IV (dBm) | | | Tune-up Limit (dBm) | WCDMA Band V (dBm) | | | Tune-up Limit (dBm) | | | |
|-----------------|-------------------------|---------------------|---------------------|-------|--------|---------------------|--------------------|-------|-------|---------------------|-------|-------|-------|
| | | | 1312 | 1413 | 1513 | | 4132 | 4182 | 4233 | | | | |
| TX Channel | 9262 | 9400 | 9538 | | | | | | | | | | |
| Rx Channel | 9662 | 9800 | 9938 | | | | | | | | | | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | | | | | | | | | | |
| | | | | | 1712.4 | 1732.6 | 1752.6 | | | | | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 22.14 | 22.18 | 22.17 | 23.00 | 22.18 | 22.21 | 22.15 | 23.00 | 22.28 | 22.30 | 22.26 | 23.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 21.43 | 21.48 | 21.56 | 22.50 | 21.77 | 21.31 | 21.55 | 22.50 | 21.40 | 21.52 | 21.17 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 21.11 | 21.16 | 21.21 | 22.50 | 21.73 | 21.33 | 21.51 | 22.50 | 21.16 | 21.25 | 21.10 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 21.32 | 21.36 | 21.37 | 22.50 | 21.69 | 21.32 | 21.48 | 22.50 | 21.11 | 21.15 | 21.11 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 21.10 | 21.02 | 21.05 | 22.50 | 21.72 | 21.36 | 21.51 | 22.50 | 21.20 | 21.14 | 21.10 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 21.42 | 21.46 | 21.49 | 22.50 | 21.74 | 21.28 | 21.51 | 22.50 | 21.36 | 21.20 | 21.13 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 21.38 | 21.43 | 21.49 | 22.50 | 21.73 | 21.24 | 21.45 | 22.50 | 21.36 | 21.35 | 21.55 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 21.40 | 21.44 | 21.44 | 22.50 | 21.69 | 21.29 | 21.51 | 22.50 | 21.27 | 21.30 | 21.56 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 21.37 | 21.43 | 21.48 | 22.50 | 21.73 | 21.24 | 21.47 | 22.50 | 21.36 | 21.26 | 21.52 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 21.40 | 21.44 | 21.46 | 22.50 | 21.70 | 21.32 | 21.53 | 22.50 | 21.30 | 21.10 | 21.56 | 22.50 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 21.42 | 21.37 | 21.35 | 22.50 | 21.66 | 21.26 | 21.54 | 22.50 | 21.17 | 21.10 | 21.52 | 22.50 |
| Attenuator | | Cable Loss | 0.8 | | | Cable Loss | 0.8 | | | Cable Loss | 0.6 | | |
| Mode | | Max. | 22.18 | | | Max. | 22.21 | | | Max. | 22.30 | | |

| | | | | | | | |
|-----------------|-------|----|----|--------|-------|--------|---------------------|
| 3 | QPSK | 8 | 0 | 21.42 | 21.37 | 21.39 | 22.5 |
| 3 | QPSK | 8 | 4 | 21.48 | 21.42 | 21.43 | |
| 3 | QPSK | 8 | 7 | 21.48 | 21.42 | 21.38 | |
| 3 | QPSK | 15 | 0 | 21.40 | 21.48 | 21.41 | |
| 3 | 16QAM | 1 | 0 | 21.56 | 21.47 | 21.41 | 22.5 |
| 3 | 16QAM | 1 | 8 | 21.60 | 21.54 | 21.50 | |
| 3 | 16QAM | 1 | 14 | 21.53 | 21.50 | 21.38 | 22.5 |
| 3 | 16QAM | 8 | 0 | 21.96 | 22.09 | 22.01 | |
| 3 | 16QAM | 8 | 4 | 22.03 | 22.00 | 22.06 | |
| 3 | 16QAM | 8 | 7 | 21.93 | 21.98 | 22.01 | |
| 3 | 16QAM | 15 | 0 | 21.96 | 22.00 | 21.95 | 21.5 |
| 3 | 64QAM | 1 | 0 | 20.49 | 20.42 | 20.45 | |
| 3 | 64QAM | 1 | 8 | 20.91 | 20.90 | 20.50 | |
| 3 | 64QAM | 1 | 14 | 20.52 | 20.88 | 20.52 | |
| 3 | 64QAM | 8 | 0 | 20.44 | 20.46 | 20.30 | 21.5 |
| 3 | 64QAM | 8 | 4 | 20.54 | 20.44 | 20.44 | |
| 3 | 64QAM | 8 | 7 | 20.64 | 20.53 | 20.39 | |
| 3 | 64QAM | 15 | 0 | 20.49 | 20.49 | 20.47 | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | |
| 1.4 | QPSK | 1 | 0 | 22.42 | 22.45 | 22.40 | 23.5 |
| 1.4 | QPSK | 1 | 3 | 22.32 | 22.30 | 22.29 | |
| 1.4 | QPSK | 1 | 5 | 22.29 | 22.27 | 22.25 | |
| 1.4 | QPSK | 3 | 0 | 22.29 | 22.29 | 22.25 | |
| 1.4 | QPSK | 3 | 1 | 22.33 | 22.30 | 22.28 | 22.5 |
| 1.4 | QPSK | 3 | 3 | 22.35 | 22.39 | 22.28 | |
| 1.4 | QPSK | 6 | 0 | 21.38 | 21.36 | 21.35 | |
| 1.4 | 16QAM | 1 | 0 | 21.41 | 21.41 | 21.35 | |
| 1.4 | 16QAM | 1 | 3 | 21.37 | 21.57 | 21.55 | 22.5 |
| 1.4 | 16QAM | 1 | 5 | 21.25 | 21.45 | 21.13 | |
| 1.4 | 16QAM | 3 | 0 | 21.27 | 21.32 | 21.29 | |
| 1.4 | 16QAM | 3 | 1 | 21.45 | 21.27 | 21.32 | |
| 1.4 | 16QAM | 3 | 3 | 21.47 | 21.44 | 21.18 | 22.5 |
| 1.4 | 16QAM | 6 | 0 | 21.48 | 21.41 | 21.36 | |
| 1.4 | 64QAM | 1 | 0 | 20.36 | 20.28 | 20.31 | |
| 1.4 | 64QAM | 1 | 3 | 20.38 | 20.59 | 20.47 | |
| 1.4 | 64QAM | 1 | 5 | 20.36 | 20.71 | 20.30 | 21.5 |
| 1.4 | 64QAM | 3 | 0 | 20.39 | 20.45 | 20.46 | |
| 1.4 | 64QAM | 3 | 1 | 20.48 | 20.45 | 20.66 | |
| 1.4 | 64QAM | 3 | 3 | 20.40 | 20.54 | 20.31 | |
| 1.4 | 64QAM | 6 | 0 | 20.45 | 20.48 | 20.37 | 21.5 |

| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|---------------------|
| 3 | QPSK | 8 | 0 | 21.46 | 21.52 | 21.53 | 22.5 |
| 3 | QPSK | 8 | 4 | 21.52 | 21.60 | 21.62 | |
| 3 | QPSK | 8 | 7 | 21.48 | 21.58 | 21.58 | |
| 3 | QPSK | 15 | 0 | 21.48 | 21.54 | 21.48 | |
| 3 | 16QAM | 1 | 0 | 21.56 | 21.65 | 21.69 | 22.5 |
| 3 | 16QAM | 1 | 8 | 21.78 | 21.78 | 21.52 | |
| 3 | 16QAM | 1 | 14 | 21.69 | 21.47 | 21.55 | 22.5 |
| 3 | 16QAM | 8 | 0 | 21.48 | 21.49 | 21.58 | |
| 3 | 16QAM | 8 | 4 | 21.58 | 21.58 | 21.59 | |
| 3 | 16QAM | 8 | 7 | 21.80 | 21.88 | 21.92 | |
| 3 | 16QAM | 15 | 0 | 21.80 | 21.78 | 21.85 | 21.5 |
| 3 | 64QAM | 1 | 0 | 20.47 | 20.56 | 20.54 | |
| 3 | 64QAM | 1 | 8 | 20.66 | 20.54 | 20.70 | |
| 3 | 64QAM | 1 | 14 | 20.47 | 20.54 | 20.37 | |
| 3 | 64QAM | 8 | 0 | 20.45 | 20.49 | 20.43 | 21.5 |
| 3 | 64QAM | 8 | 4 | 20.57 | 20.55 | 20.59 | |
| 3 | 64QAM | 8 | 7 | 20.51 | 20.58 | 20.70 | |
| 3 | 64QAM | 15 | 0 | 20.47 | 20.55 | 20.46 | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | |
| 1.4 | QPSK | 1 | 0 | 22.52 | 22.57 | 22.55 | 23.5 |
| 1.4 | QPSK | 1 | 3 | 22.46 | 22.46 | 22.50 | |
| 1.4 | QPSK | 1 | 5 | 22.32 | 22.41 | 22.43 | |
| 1.4 | QPSK | 3 | 0 | 22.40 | 22.37 | 22.36 | |
| 1.4 | QPSK | 3 | 1 | 22.36 | 22.46 | 22.51 | 22.5 |
| 1.4 | QPSK | 3 | 3 | 22.35 | 22.42 | 22.41 | |
| 1.4 | QPSK | 6 | 0 | 21.51 | 21.53 | 21.49 | |
| 1.4 | 16QAM | 1 | 0 | 21.45 | 21.92 | 21.58 | |
| 1.4 | 16QAM | 1 | 3 | 21.58 | 21.66 | 21.70 | 22.5 |
| 1.4 | 16QAM | 1 | 5 | 21.64 | 21.80 | 21.60 | |
| 1.4 | 16QAM | 3 | 0 | 21.67 | 21.71 | 21.62 | |
| 1.4 | 16QAM | 3 | 1 | 21.68 | 21.71 | 21.73 | |
| 1.4 | 16QAM | 3 | 3 | 21.67 | 21.79 | 21.68 | 22.5 |
| 1.4 | 16QAM | 6 | 0 | 21.58 | 21.59 | 21.50 | |
| 1.4 | 64QAM | 1 | 0 | 20.36 | 20.30 | 20.44 | |
| 1.4 | 64QAM | 1 | 3 | 20.62 | 20.60 | 20.72 | |
| 1.4 | 64QAM | 1 | 5 | 20.53 | 20.49 | 20.33 | 21.5 |
| 1.4 | 64QAM | 3 | 0 | 20.44 | 20.42 | 20.61 | |
| 1.4 | 64QAM | 3 | 1 | 20.35 | 20.50 | 20.47 | |
| 1.4 | 64QAM | 3 | 3 | 20.41 | 20.58 | 20.46 | |
| 1.4 | 64QAM | 6 | 0 | 20.40 | 20.41 | 20.48 | 21.5 |

| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|------------------------|
| 3 | QPSK | 8 | 0 | 21.92 | 21.89 | 21.93 | 22.5 |
| 3 | QPSK | 8 | 4 | 21.87 | 21.79 | 21.89 | |
| 3 | QPSK | 8 | 7 | 21.73 | 21.78 | 21.75 | |
| 3 | QPSK | 15 | 0 | 21.82 | 21.66 | 21.79 | 22.5 |
| 3 | 16QAM | 1 | 0 | 21.51 | 21.92 | 21.68 | |
| 3 | 16QAM | 1 | 8 | 21.84 | 21.78 | 21.77 | |
| 3 | 16QAM | 1 | 14 | 21.88 | 21.77 | 21.47 | 22.5 |
| 3 | 16QAM | 8 | 0 | 21.69 | 21.69 | 21.60 | |
| 3 | 16QAM | 8 | 4 | 21.72 | 21.71 | 21.77 | |
| 3 | 16QAM | 8 | 7 | 21.64 | 21.79 | 21.73 | 21.5 |
| 3 | 16QAM | 15 | 0 | 21.74 | 21.72 | 21.68 | |
| 3 | 64QAM | 1 | 0 | 21.05 | 20.95 | 21.05 | |
| 3 | 64QAM | 1 | 8 | 21.07 | 20.85 | 20.95 | 21.5 |
| 3 | 64QAM | 1 | 14 | 20.72 | 20.98 | 21.05 | |
| 3 | 64QAM | 8 | 0 | 20.84 | 20.83 | 20.96 | |
| 3 | 64QAM | 8 | 4 | 20.94 | 20.90 | 20.91 | 21.5 |
| 3 | 64QAM | 8 | 7 | 20.83 | 20.77 | 20.81 | |
| 3 | 64QAM | 15 | 0 | 20.85 | 20.87 | 20.84 | |
| Channel | | | | 131979 | 132322 | 132685 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | |
| 1.4 | QPSK | 1 | 0 | 22.53 | 22.44 | 22.45 | 23.5 |
| 1.4 | QPSK | 1 | 3 | 22.59 | 22.61 | 22.61 | |
| 1.4 | QPSK | 1 | 5 | 22.51 | 22.39 | 22.55 | |
| 1.4 | QPSK | 3 | 0 | 22.50 | 22.43 | 22.50 | |
| 1.4 | QPSK | 3 | 1 | 22.47 | 22.53 | 22.44 | |
| 1.4 | QPSK | 3 | 3 | 22.48 | 22.44 | 22.36 | |
| 1.4 | QPSK | 6 | 0 | 21.95 | 21.80 | 21.99 | 22.5 |
| 1.4 | 16QAM | 1 | 0 | 21.82 | 21.82 | 22.02 | |
| 1.4 | 16QAM | 1 | 3 | 21.82 | 21.91 | 22.03 | |
| 1.4 | 16QAM | 1 | 5 | 21.65 | 21.85 | 21.73 | |
| 1.4 | 16QAM | 3 | 0 | 21.60 | 21.57 | 21.83 | |
| 1.4 | 16QAM | 3 | 1 | 21.69 | 21.59 | 21.71 | |
| 1.4 | 16QAM | 3 | 3 | 21.70 | 21.71 | 21.65 | 22.5 |
| 1.4 | 16QAM | 6 | 0 | 21.59 | 21.50 | 21.51 | |
| 1.4 | 64QAM | 1 | 0 | 21.10 | 20.95 | 21.11 | |
| 1.4 | 64QAM | 1 | 3 | 20.83 | 20.92 | 20.92 | |
| 1.4 | 64QAM | 1 | 5 | 20.80 | 20.80 | 20.91 | |
| 1.4 | 64QAM | 3 | 0 | 20.89 | 20.87 | 20.89 | |
| 1.4 | 64QAM | 3 | 1 | 20.88 | 20.92 | 20.96 | 21.5 |
| 1.4 | 64QAM | 3 | 3 | 20.88 | 20.81 | 20.83 | |
| 1.4 | 64QAM | 6 | 0 | 20.78 | 20.88 | 20.89 | |

2.4GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | | Power Setting | Duty Cycle % |
|-------------------|---------|-----------------|---------------------|-------|-------|---------------|--------------|
| | | | 1Mbps | 2Mbps | 3Mbps | | |
| 802.11b 1Mbps | CH 1 | 2412 | 13.03 | 14.00 | 12.00 | 100.00 | |
| | CH 7 | 2442 | 9.24 | 10.00 | 12.00 | | |
| | CH 13 | 2472 | 13.20 | 14.00 | 12.00 | | |
| 802.11g 6Mbps | CH 1 | 2412 | 11.90 | 12.50 | 12.00 | 98.18 | |
| | CH 7 | 2442 | 8.73 | 9.50 | 12.00 | | |
| | CH 13 | 2472 | 12.61 | 13.50 | 12.00 | | |
| 802.11n-HT20 MCS0 | CH 1 | 2412 | 11.44 | 12.00 | 11.00 | 97.84 | |
| | CH 7 | 2442 | 8.32 | 8.00 | 11.00 | | |
| | CH 13 | 2472 | 11.94 | 12.50 | 11.00 | | |
| 802.11n-HT40 MCS0 | CH 1 | 2412 | 11.57 | 12.50 | 11.00 | 95.69 | |
| | CH 7 | 2442 | 10.20 | 11.00 | 11.00 | | |
| | CH 13 | 2472 | 11.07 | 12.00 | 11.00 | | |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | | Power Setting | Duty Cycle % |
|---------------------|---------|-----------------|---------------------|-------|-------|---------------|--------------|
| | | | 1Mbps | 2Mbps | 3Mbps | | |
| 802.11a 6Mbps | CH 36 | 5180 | 1.41 | 2.00 | 8.00 | 98.18 | |
| | CH 44 | 5220 | 2.09 | 3.00 | 8.00 | | |
| | CH 48 | 5240 | 2.54 | 3.00 | 8.00 | | |
| 802.11n-HT20 MCS0 | CH 36 | 5180 | 1.38 | 2.00 | 8.00 | 97.84 | |
| | CH 44 | 5220 | 1.94 | 2.50 | 8.00 | | |
| | CH 48 | 5240 | 2.43 | 3.00 | 8.00 | | |
| 802.11n-HT40 MCS0 | CH 36 | 5180 | 0.97 | 1.50 | 8.00 | 95.69 | |
| | CH 46 | 5230 | 1.67 | 2.50 | 8.00 | | |
| | CH 36 | 5180 | 1.65 | 2.50 | 8.00 | | |
| 802.11ac-VHT20 MCS0 | CH 44 | 5220 | 1.82 | 2.50 | 8.00 | 97.84 | |
| | CH 48 | 5240 | 2.34 | 3.00 | 8.00 | | |
| | CH 38 | 5190 | 1.49 | 2.00 | 8.00 | | |
| 802.11ac-VHT40 MCS0 | CH 38 | 5190 | 1.49 | 2.00 | 8.00 | 95.69 | |
| | CH 46 | 5230 | 2.28 | 3.00 | 8.00 | | |
| | CH 42 | 5210 | 1.84 | 2.50 | 8.00 | | |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | | Power Setting | Duty Cycle % |
|---------------------|---------|-----------------|---------------------|-------|-------|---------------|--------------|
| | | | 1Mbps | 2Mbps | 3Mbps | | |
| 802.11a 6Mbps | CH 52 | 5260 | 2.42 | 3.00 | 8.00 | 98.18 | |
| | CH 60 | 5300 | 4.21 | 5.00 | 8.00 | | |
| | CH 64 | 5320 | 4.90 | 5.50 | 8.00 | | |
| 802.11n-HT20 MCS0 | CH 52 | 5260 | 2.70 | 3.50 | 8.00 | 97.84 | |
| | CH 60 | 5300 | 4.24 | 5.00 | 8.00 | | |
| | CH 64 | 5320 | 4.77 | 5.50 | 8.00 | | |
| 802.11n-HT40 MCS0 | CH 54 | 5270 | 3.10 | 4.00 | 8.00 | 95.69 | |
| | CH 62 | 5310 | 4.46 | 5.00 | 8.00 | | |
| | CH 52 | 5260 | 3.06 | 4.00 | 8.00 | | |
| 802.11ac-VHT20 MCS0 | CH 60 | 5300 | 4.17 | 5.00 | 8.00 | 97.84 | |
| | CH 64 | 5320 | 4.69 | 5.00 | 8.00 | | |
| | CH 54 | 5270 | 3.19 | 4.00 | 8.00 | | |
| 802.11ac-VHT40 MCS0 | CH 62 | 5310 | 4.53 | 5.00 | 8.00 | 95.69 | |
| | CH 58 | 5290 | 3.89 | 4.00 | 8.00 | | |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | | Power Setting | Duty Cycle % |
|---------------------|---------|-----------------|---------------------|-------|-------|---------------|--------------|
| | | | 1Mbps | 2Mbps | 3Mbps | | |
| 802.11a 6Mbps | CH 100 | 5500 | -1.30 | 0.50 | 4.00 | 98.18 | |
| | CH 120 | 5600 | -2.88 | 0.50 | 4.00 | | |
| | CH 140 | 5700 | -2.02 | 0.50 | 4.00 | | |
| 802.11n-HT20 MCS0 | CH 100 | 5500 | -1.00 | 0.50 | 4.00 | 97.84 | |
| | CH 120 | 5600 | -2.63 | 0.50 | 4.00 | | |
| | CH 140 | 5700 | -1.73 | 0.50 | 4.00 | | |
| 802.11n-HT40 MCS0 | CH 102 | 5510 | -1.75 | 0.50 | 4.00 | 95.69 | |
| | CH 126 | 5630 | -3.17 | 0.50 | 4.00 | | |
| | CH 134 | 5670 | -2.01 | 0.50 | 4.00 | | |
| 802.11ac-VHT20 MCS0 | CH 100 | 5500 | -1.20 | 0.50 | 4.00 | 97.84 | |
| | CH 120 | 5600 | -2.68 | 0.50 | 4.00 | | |
| | CH 140 | 5700 | -1.83 | 0.50 | 4.00 | | |
| 802.11ac-VHT40 MCS0 | CH 102 | 5510 | -1.74 | 0.50 | 4.00 | 95.69 | |
| | CH 126 | 5630 | -3.19 | 0.50 | 4.00 | | |
| | CH 134 | 5670 | -2.15 | 0.50 | 4.00 | | |
| 802.11ac-VHT80 MCS0 | CH 106 | 5530 | -2.49 | 0.50 | 4.00 | 91.53 | |
| | CH 122 | 5610 | -2.05 | 0.50 | 4.00 | | |
| | CH 138 | 5690 | 1.20 | 2.00 | 4.00 | | |

5GHz WLAN ANT 1

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | | Power Setting | Duty Cycle % |
|---------------------|---------|-----------------|---------------------|-------|-------|---------------|--------------|
| | | | 1Mbps | 2Mbps | 3Mbps | | |
| 802.11a 6Mbps | CH 149 | 5745 | -0.48 | 0.50 | 3.00 | 98.18 | |
| | CH 157 | 5785 | 0.94 | 1.50 | 3.00 | | |
| | CH 165 | 5825 | 2.10 | 3.00 | 3.00 | | |
| 802.11n-HT20 MCS0 | CH 149 | 5745 | 0.26 | 1.00 | 3.00 | 97.84 | |
| | CH 157 | 5785 | 1.78 | 2.50 | 3.00 | | |
| | CH 165 | 5825 | 3.12 | 4.00 | 3.00 | | |
| 802.11n-HT40 MCS0 | CH 151 | 5755 | 0.33 | 1.00 | 3.00 | 95.69 | |
| | CH 159 | 5795 | 1.71 | 2.50 | 3.00 | | |
| | CH 149 | 5745 | -2.96 | 0.50 | 3.00 | | |
| 802.11ac-VHT20 MCS0 | CH 157 | 5785 | 1.83 | 2.50 | 3.00 | 97.84 | |
| | CH 165 | 5825 | 3.11 | 4.00 | 3.00 | | |
| | CH 151 | 5755 | 0.36 | 1.00 | 3.00 | | |
| 802.11ac-VHT40 MCS0 | CH 159 | 5795 | 1.73 | 2.50 | 3.00 | 95.69 | |
| | CH 155 | 5775 | 2.11 | 3.00 | 3.00 | | |

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | |
|--------------|---------------|-----------------|---------------------|-------|-------|
| | | | 1Mbps | 2Mbps | 3Mbps |
| BR / EDR | CH 00 | 2402 | 8.20 | 5.06 | 4.73 |
| | CH 39 | 2441 | 5.74 | 4.80 | 4.50 |
| | CH 78 | 2480 | 5.45 | 4.93 | 4.79 |
| | Tune-up Limit | | 7 | 6 | 5.5 |
| Duty Cycle % | | | 77.87 | 77.6 | 77.6 |

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | |
|--------------|---------------|-----------------|---------------------|-------|-------|
| | | | 1Mbps | 2Mbps | 3Mbps |
| LE | CH 00 | 2402 | 0.51 | 0.59 | N/A |
| | CH 19 | 2440 | 1.29 | 1.32 | N/A |
| | CH 39 | 2480 | 0.37 | 0.80 | N/A |
| | Tune-up Limit | | 2 | 2 | N/A |
| Duty Cycle % | | | 32 | 34.92 | N/A |

Reduced Power

| GSM850 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) | Ch Delta > 0.5 |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|----------------|
| | TX Channel | 128 | 189 | | 251 | 128 | 189 | | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | | |
| GSM 1 Tx slot | 26.07 | 26.21 | 26.16 | 27.00 | 17.07 | 17.21 | 17.16 | 18.00 | 0.15 |
| GPRS 1 Tx slot | 26.08 | 26.22 | 26.15 | 27.00 | 17.08 | 17.22 | 17.15 | 18.00 | |
| GPRS 2 Tx slots | 24.12 | 24.15 | 24.11 | 25.00 | 18.12 | 18.15 | 18.11 | 19.00 | |
| GPRS 3 Tx slots | 22.11 | 22.12 | 22.22 | 23.00 | 17.85 | 17.86 | 17.96 | 18.74 | |
| GPRS 4 Tx slots | 19.52 | 19.60 | 19.54 | 20.50 | 16.52 | 16.60 | 16.54 | 17.50 | 0.08 |
| EDGE 1 Tx slot | 19.26 | 19.33 | 19.28 | 20.00 | 10.26 | 10.33 | 10.28 | 11.00 | 0.07 |
| EDGE 2 Tx slots | 18.39 | 18.54 | 18.51 | 19.50 | 12.39 | 12.54 | 12.51 | 13.50 | 0.15 |
| EDGE 3 Tx slots | 17.37 | 17.42 | 17.36 | 18.00 | 13.11 | 13.16 | 13.10 | 13.74 | 0.06 |
| EDGE 4 Tx slots | 14.51 | 14.61 | 14.54 | 15.50 | 11.51 | 11.61 | 11.54 | 12.50 | 0.10 |
| Mode | | Max. | 26.22 | | | Max. | 18.15 | | |
| Attenuator | Cable Loss : 0.6 | | | | | | | | |

| GSM1900 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) | Ch Delta > 0.5 |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|----------------|
| | TX Channel | 512 | 661 | | 810 | 512 | 661 | | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | | |
| GSM 1 Tx slot | 23.11 | 23.21 | 23.08 | 24.00 | 14.11 | 14.21 | 14.08 | 15.00 | 0.13 |
| GPRS 1 Tx slot | 23.12 | 23.20 | 23.09 | 24.00 | 14.12 | 14.20 | 14.09 | 15.00 | |
| GPRS 2 Tx slots | 20.69 | 20.77 | 20.68 | 21.50 | 14.69 | 14.77 | 14.68 | 15.50 | |
| GPRS 3 Tx slots | 19.15 | 19.21 | 19.18 | 20.00 | 14.89 | 14.95 | 14.92 | 15.74 | |
| GPRS 4 Tx slots | 17.17 | 17.21 | 17.19 | 18.00 | 14.17 | 14.21 | 14.19 | 15.00 | 0.04 |
| EDGE 1 Tx slot | 19.38 | 19.42 | 19.31 | 20.00 | 10.38 | 10.42 | 10.31 | 11.00 | 0.11 |
| EDGE 2 Tx slots | 18.36 | 18.41 | 18.31 | 19.00 | 12.36 | 12.41 | 12.31 | 13.00 | 0.10 |
| EDGE 3 Tx slots | 16.28 | 16.36 | 16.32 | 17.00 | 12.02 | 12.10 | 12.06 | 12.74 | 0.08 |
| EDGE 4 Tx slots | 14.26 | 14.35 | 14.29 | 15.00 | 11.26 | 11.35 | 11.29 | 12.00 | 0.09 |
| Mode | | Max. | 23.21 | | | Max. | 14.95 | | |
| Attenuator | Cable Loss : 0.8 | | | | | | | | |

| Band | WCDMA Band II (dBm) | | | Tune-up Limit (dBm) | WCDMA Band IV (dBm) | | | Tune-up Limit (dBm) | WCDMA Band V (dBm) | | | Tune-up Limit (dBm) | |
|-----------------|-------------------------|------------|--------|---------------------|---------------------|------------|--------|---------------------|--------------------|------------|-------|---------------------|-------|
| | TX Channel | 9262 | 9400 | | 9538 | 1312 | 1413 | | 1513 | 4132 | 4182 | | 4233 |
| Rx Channel | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | | 4357 | 4407 | 4458 | | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | | 1712.4 | 1732.6 | 1752.6 | | 826.4 | 836.4 | 846.6 | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 14.64 | 14.68 | 14.67 | 15.50 | 12.68 | 12.71 | 12.65 | 13.50 | 18.28 | 18.30 | 18.26 | 19.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 13.93 | 13.98 | 14.06 | 15.00 | 12.27 | 11.81 | 12.05 | 13.00 | 17.40 | 17.52 | 17.17 | 18.50 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 13.61 | 13.66 | 13.71 | 15.00 | 12.23 | 11.83 | 12.01 | 13.00 | 17.16 | 17.25 | 17.10 | 18.50 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 13.82 | 13.86 | 13.87 | 15.00 | 12.19 | 11.82 | 11.98 | 13.00 | 17.11 | 17.15 | 17.11 | 18.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 13.60 | 13.52 | 13.55 | 15.00 | 12.22 | 11.86 | 12.01 | 13.00 | 17.20 | 17.14 | 17.10 | 18.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 13.92 | 13.96 | 13.99 | 15.00 | 12.24 | 11.78 | 12.01 | 13.00 | 17.36 | 17.20 | 17.13 | 18.50 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 13.88 | 13.93 | 13.99 | 15.00 | 12.23 | 11.74 | 11.95 | 13.00 | 17.36 | 17.35 | 17.55 | 18.50 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 13.90 | 13.94 | 13.94 | 15.00 | 12.19 | 11.79 | 12.01 | 13.00 | 17.27 | 17.30 | 17.56 | 18.50 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 13.87 | 13.93 | 13.98 | 15.00 | 12.23 | 11.74 | 11.97 | 13.00 | 17.36 | 17.26 | 17.52 | 18.50 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 13.90 | 13.94 | 13.96 | 15.00 | 12.20 | 11.82 | 12.03 | 13.00 | 17.30 | 17.10 | 17.56 | 18.50 |
| 3GPP Rel 7 | HSPA+ (16QAM) Subtest-1 | 13.92 | 13.87 | 13.85 | 15.00 | 12.16 | 11.76 | 12.04 | 13.00 | 17.17 | 17.10 | 17.52 | 18.50 |
| Attenuator | | Cable Loss | | 0.8 | | Cable Loss | | 0.8 | | Cable Loss | | 0.6 | |
| Mode | | Max. | 14.68 | | | Max. | 12.71 | | Max. | 18.30 | | | |

| | | | | | | | |
|-----------------|-------|----|----|--------|-------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 13.30 | 13.38 | 13.31 | 14.5 |
| 3 | 16QAM | 1 | 0 | 13.46 | 13.37 | 13.31 | |
| 3 | 16QAM | 1 | 8 | 13.50 | 13.44 | 13.40 | |
| 3 | 16QAM | 1 | 14 | 13.43 | 13.40 | 13.28 | |
| 3 | 16QAM | 8 | 0 | 13.86 | 13.99 | 13.91 | |
| 3 | 16QAM | 8 | 4 | 13.93 | 13.90 | 13.96 | |
| 3 | 16QAM | 8 | 7 | 13.83 | 13.88 | 13.91 | |
| 3 | 16QAM | 15 | 0 | 13.86 | 13.90 | 13.85 | |
| 3 | 64QAM | 1 | 0 | 12.39 | 12.32 | 12.35 | |
| 3 | 64QAM | 1 | 8 | 12.81 | 12.80 | 12.40 | |
| 3 | 64QAM | 1 | 14 | 12.42 | 12.78 | 12.42 | |
| 3 | 64QAM | 8 | 0 | 12.34 | 12.36 | 12.20 | |
| 3 | 64QAM | 8 | 4 | 12.44 | 12.34 | 12.34 | |
| 3 | 64QAM | 8 | 7 | 12.54 | 12.43 | 12.29 | |
| 3 | 64QAM | 15 | 0 | 12.39 | 12.39 | 12.37 | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | |
| 1.4 | QPSK | 1 | 0 | 14.32 | 14.35 | 14.30 | 15.5 |
| 1.4 | QPSK | 1 | 3 | 14.22 | 14.20 | 14.19 | |
| 1.4 | QPSK | 1 | 5 | 14.19 | 14.17 | 14.15 | |
| 1.4 | QPSK | 3 | 0 | 14.19 | 14.19 | 14.15 | |
| 1.4 | QPSK | 3 | 1 | 14.23 | 14.20 | 14.18 | |
| 1.4 | QPSK | 3 | 3 | 14.25 | 14.29 | 14.18 | |
| 1.4 | QPSK | 6 | 0 | 13.28 | 13.26 | 13.25 | 14.5 |
| 1.4 | 16QAM | 1 | 0 | 13.31 | 13.31 | 13.25 | 14.5 |
| 1.4 | 16QAM | 1 | 3 | 13.27 | 13.47 | 13.45 | |
| 1.4 | 16QAM | 1 | 5 | 13.15 | 13.35 | 13.03 | |
| 1.4 | 16QAM | 3 | 0 | 13.17 | 13.22 | 13.19 | |
| 1.4 | 16QAM | 3 | 1 | 13.35 | 13.17 | 13.22 | |
| 1.4 | 16QAM | 3 | 3 | 13.37 | 13.34 | 13.08 | |
| 1.4 | 16QAM | 6 | 0 | 13.38 | 13.31 | 13.26 | 14.5 |
| 1.4 | 64QAM | 1 | 0 | 12.26 | 12.18 | 12.21 | 13.5 |
| 1.4 | 64QAM | 1 | 3 | 12.28 | 12.49 | 12.37 | |
| 1.4 | 64QAM | 1 | 5 | 12.26 | 12.61 | 12.20 | |
| 1.4 | 64QAM | 3 | 0 | 12.29 | 12.35 | 12.36 | |
| 1.4 | 64QAM | 3 | 1 | 12.38 | 12.35 | 12.56 | |
| 1.4 | 64QAM | 3 | 3 | 12.30 | 12.44 | 12.21 | |
| 1.4 | 64QAM | 6 | 0 | 12.35 | 12.38 | 12.27 | 13.5 |

| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|---------------------|
| 3 | QPSK | 15 | 0 | 12.98 | 13.04 | 12.98 | 14 |
| 3 | 16QAM | 1 | 0 | 13.06 | 13.15 | 13.19 | |
| 3 | 16QAM | 1 | 8 | 13.28 | 13.28 | 13.02 | |
| 3 | 16QAM | 1 | 14 | 13.19 | 12.97 | 13.05 | |
| 3 | 16QAM | 8 | 0 | 12.98 | 12.99 | 13.08 | |
| 3 | 16QAM | 8 | 4 | 13.08 | 13.08 | 13.09 | |
| 3 | 16QAM | 8 | 7 | 13.30 | 13.38 | 13.42 | |
| 3 | 16QAM | 15 | 0 | 13.30 | 13.28 | 13.35 | |
| 3 | 64QAM | 1 | 0 | 11.97 | 12.06 | 12.04 | |
| 3 | 64QAM | 1 | 8 | 12.16 | 12.04 | 12.20 | |
| 3 | 64QAM | 1 | 14 | 11.97 | 12.04 | 11.87 | |
| 3 | 64QAM | 8 | 0 | 11.95 | 11.99 | 11.93 | |
| 3 | 64QAM | 8 | 4 | 12.07 | 12.05 | 12.09 | |
| 3 | 64QAM | 8 | 7 | 12.01 | 12.08 | 12.20 | |
| 3 | 64QAM | 15 | 0 | 11.97 | 12.05 | 11.96 | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | |
| 1.4 | QPSK | 1 | 0 | 14.02 | 14.07 | 14.05 | 15 |
| 1.4 | QPSK | 1 | 3 | 13.96 | 13.96 | 14.00 | |
| 1.4 | QPSK | 1 | 5 | 13.82 | 13.91 | 13.93 | |
| 1.4 | QPSK | 3 | 0 | 13.90 | 13.87 | 13.86 | |
| 1.4 | QPSK | 3 | 1 | 13.86 | 13.96 | 14.01 | |
| 1.4 | QPSK | 3 | 3 | 13.85 | 13.92 | 13.91 | |
| 1.4 | QPSK | 6 | 0 | 13.01 | 13.03 | 12.99 | 14 |
| 1.4 | 16QAM | 1 | 0 | 12.95 | 13.42 | 13.08 | 14 |
| 1.4 | 16QAM | 1 | 3 | 13.08 | 13.16 | 13.20 | |
| 1.4 | 16QAM | 1 | 5 | 13.14 | 13.30 | 13.10 | |
| 1.4 | 16QAM | 3 | 0 | 13.17 | 13.21 | 13.12 | |
| 1.4 | 16QAM | 3 | 1 | 13.18 | 13.21 | 13.23 | |
| 1.4 | 16QAM | 3 | 3 | 13.17 | 13.29 | 13.18 | |
| 1.4 | 16QAM | 6 | 0 | 13.08 | 13.09 | 13.00 | 14 |
| 1.4 | 64QAM | 1 | 0 | 11.86 | 11.80 | 11.94 | 13 |
| 1.4 | 64QAM | 1 | 3 | 12.12 | 12.10 | 12.22 | |
| 1.4 | 64QAM | 1 | 5 | 12.03 | 11.99 | 11.83 | |
| 1.4 | 64QAM | 3 | 0 | 11.94 | 11.92 | 12.11 | |
| 1.4 | 64QAM | 3 | 1 | 11.85 | 12.00 | 11.97 | |
| 1.4 | 64QAM | 3 | 3 | 11.91 | 12.08 | 11.96 | |
| 1.4 | 64QAM | 6 | 0 | 11.90 | 11.91 | 11.98 | 13 |

**Band 12 (700MHz Low Band) (dBm)
Part 27F(only on channel required)**

| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| Channel | | | | 23060 | 23095 | 23130 | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | |
| 10 | QPSK | 1 | 0 | 19.39 | 19.55 | 19.44 | 20.5 |
| 10 | QPSK | 1 | 25 | 19.25 | 19.38 | 19.41 | |
| 10 | QPSK | 1 | 49 | 19.35 | 19.36 | 19.35 | |
| 10 | QPSK | 25 | 0 | 18.64 | 18.74 | 18.65 | 19.5 |
| 10 | QPSK | 25 | 12 | 18.61 | 18.55 | 18.34 | |
| 10 | QPSK | 25 | 25 | 18.66 | 18.72 | 18.65 | |
| 10 | QPSK | 50 | 0 | 18.67 | 18.69 | 18.60 | 19.5 |
| 10 | 16QAM | 1 | 0 | 18.60 | 18.15 | 18.28 | |
| 10 | 16QAM | 1 | 25 | 18.35 | 18.30 | 18.44 | |
| 10 | 16QAM | 1 | 49 | 18.44 | 18.49 | 18.38 | 19.5 |
| 10 | 16QAM | 25 | 0 | 18.33 | 18.35 | 18.29 | |
| 10 | 16QAM | 25 | 12 | 18.37 | 18.41 | 18.30 | |
| 10 | 16QAM | 25 | 25 | 18.42 | 18.43 | 18.37 | 19.5 |
| 10 | 16QAM | 50 | 0 | 18.32 | 18.40 | 18.45 | |
| 10 | 64QAM | 1 | 0 | 17.17 | 17.29 | 17.63 | |
| 10 | 64QAM | 1 | 25 | 17.61 | 17.67 | 17.26 | 18.5 |
| 10 | 64QAM | 1 | 49 | 17.63 | 17.31 | 17.24 | |
| 10 | 64QAM | 25 | 0 | 17.14 | 17.08 | 17.05 | |
| 10 | 64QAM | 25 | 12 | 17.19 | 17.22 | 17.14 | 18.5 |
| 10 | 64QAM | 25 | 25 | 17.24 | 17.21 | 17.21 | |
| 10 | 64QAM | 50 | 0 | 17.16 | 17.09 | 17.20 | |
| Channel | | | | 23035 | 23095 | 23155 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | |
| 5 | QPSK | 1 | 0 | 19.14 | 19.47 | 19.25 | 20.5 |
| 5 | QPSK | 1 | 12 | 19.30 | 19.46 | 19.30 | |
| 5 | QPSK | 1 | 24 | 19.26 | 19.45 | 19.31 | |
| 5 | QPSK | 12 | 0 | 18.37 | 18.44 | 18.43 | 19.5 |
| 5 | QPSK | 12 | 7 | 18.48 | 18.50 | 18.47 | |
| 5 | QPSK | 12 | 13 | 18.43 | 18.46 | 18.43 | |
| 5 | QPSK | 25 | 0 | 18.39 | 18.51 | 18.47 | 19.5 |
| 5 | 16QAM | 1 | 0 | 18.40 | 18.42 | 18.44 | |
| 5 | 16QAM | 1 | 12 | 18.57 | 18.52 | 18.53 | |
| 5 | 16QAM | 1 | 24 | 18.53 | 18.51 | 18.47 | 19.5 |
| 5 | 16QAM | 12 | 0 | 18.27 | 18.24 | 18.27 | |
| 5 | 16QAM | 12 | 7 | 18.41 | 18.46 | 18.30 | |
| 5 | 16QAM | 12 | 13 | 18.36 | 18.33 | 18.38 | 19.5 |
| 5 | 16QAM | 25 | 0 | 18.37 | 18.33 | 18.35 | |
| 5 | 64QAM | 1 | 0 | 17.15 | 17.16 | 17.21 | |
| 5 | 64QAM | 1 | 12 | 17.60 | 17.30 | 17.23 | 18.5 |
| 5 | 64QAM | 1 | 24 | 17.58 | 17.27 | 17.32 | |
| 5 | 64QAM | 12 | 0 | 17.12 | 17.14 | 17.09 | |
| 5 | 64QAM | 12 | 7 | 17.22 | 17.10 | 17.16 | 18.5 |
| 5 | 64QAM | 12 | 13 | 17.09 | 17.19 | 17.24 | |
| 5 | 64QAM | 25 | 0 | 17.24 | 17.20 | 17.17 | |
| Channel | | | | 23025 | 23095 | 23165 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | |
| 3 | QPSK | 1 | 0 | 19.22 | 19.49 | 19.16 | 20.5 |
| 3 | QPSK | 1 | 8 | 19.40 | 19.39 | 19.29 | |
| 3 | QPSK | 1 | 14 | 19.34 | 19.45 | 19.40 | |
| 3 | QPSK | 8 | 0 | 18.45 | 18.43 | 18.43 | 19.5 |
| 3 | QPSK | 8 | 4 | 18.48 | 18.51 | 18.52 | |
| 3 | QPSK | 8 | 7 | 18.43 | 18.51 | 18.45 | |
| 3 | QPSK | 15 | 0 | 18.42 | 18.50 | 18.36 | 19.5 |
| 3 | 16QAM | 1 | 0 | 18.43 | 18.79 | 18.38 | |
| 3 | 16QAM | 1 | 8 | 18.63 | 18.61 | 18.56 | |
| 3 | 16QAM | 1 | 14 | 18.46 | 18.51 | 18.37 | 19.5 |
| 3 | 16QAM | 8 | 0 | 18.43 | 18.32 | 18.35 | |
| 3 | 16QAM | 8 | 4 | 18.48 | 18.45 | 18.56 | |
| 3 | 16QAM | 8 | 7 | 18.32 | 18.35 | 18.41 | 19.5 |
| 3 | 16QAM | 15 | 0 | 18.30 | 18.23 | 18.22 | |
| 3 | 64QAM | 1 | 0 | 17.16 | 17.50 | 17.49 | |
| 3 | 64QAM | 1 | 8 | 17.45 | 17.35 | 17.36 | 18.5 |
| 3 | 64QAM | 1 | 14 | 17.38 | 17.23 | 17.34 | |
| 3 | 64QAM | 8 | 0 | 17.05 | 17.13 | 17.04 | |
| 3 | 64QAM | 8 | 4 | 17.14 | 17.18 | 17.17 | 18.5 |
| 3 | 64QAM | 8 | 7 | 17.13 | 17.05 | 17.20 | |
| 3 | 64QAM | 15 | 0 | 17.12 | 17.14 | 17.06 | |
| Channel | | | | 23017 | 23095 | 23173 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | |
| 1.4 | QPSK | 1 | 0 | 19.25 | 19.42 | 19.22 | 20.5 |
| 1.4 | QPSK | 1 | 3 | 19.36 | 19.35 | 19.37 | |
| 1.4 | QPSK | 1 | 5 | 19.25 | 19.30 | 19.26 | |
| 1.4 | QPSK | 3 | 0 | 19.20 | 19.33 | 19.31 | 19.5 |
| 1.4 | QPSK | 3 | 1 | 19.41 | 19.41 | 19.08 | |
| 1.4 | QPSK | 3 | 3 | 19.36 | 19.38 | 19.34 | |
| 1.4 | QPSK | 6 | 0 | 18.42 | 18.39 | 18.37 | 19.5 |
| 1.4 | 16QAM | 1 | 0 | 18.46 | 18.40 | 18.25 | |
| 1.4 | 16QAM | 1 | 3 | 18.27 | 18.70 | 18.37 | |
| 1.4 | 16QAM | 1 | 5 | 18.39 | 18.40 | 18.39 | 19.5 |
| 1.4 | 16QAM | 3 | 0 | 18.23 | 18.26 | 18.27 | |
| 1.4 | 16QAM | 3 | 1 | 18.39 | 18.47 | 18.31 | |
| 1.4 | 16QAM | 3 | 3 | 18.22 | 18.36 | 18.36 | 19.5 |
| 1.4 | 16QAM | 6 | 0 | 18.15 | 18.35 | 18.25 | |
| 1.4 | 64QAM | 1 | 0 | 17.00 | 17.15 | 16.99 | |
| 1.4 | 64QAM | 1 | 3 | 17.12 | 17.05 | 17.10 | 18.5 |
| 1.4 | 64QAM | 1 | 5 | 17.28 | 17.31 | 17.27 | |
| 1.4 | 64QAM | 3 | 0 | 17.18 | 17.19 | 17.02 | |
| 1.4 | 64QAM | 3 | 1 | 17.16 | 17.40 | 17.25 | 18.5 |
| 1.4 | 64QAM | 3 | 3 | 17.18 | 17.02 | 17.18 | |
| 1.4 | 64QAM | 6 | 0 | 17.14 | 17.15 | 17.02 | |

**Band 17 (700MHz Band) (dBm)
Part 27H(only on channel required)**

| BW [MHz] | Modulation | RB Size | RB Offset | Low Channel | Middle Channel | High Channel | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-------------|----------------|--------------|---------------------|
| Channel | | | | 23780 | 23790 | 23800 | |
| Frequency (MHz) | | | | 709 | 710 | 711 | |
| 10 | QPSK | 1 | 0 | 19.96 | 20.01 | 19.98 | 21 |
| 10 | QPSK | 1 | 25 | 19.86 | 19.82 | 19.88 | |
| 10 | QPSK | 1 | 49 | 19.79 | 19.82 | 19.77 | |
| 10 | QPSK | 25 | 0 | 19.09 | 19.15 | 19.07 | 20 |
| 10 | QPSK | 25 | 12 | 18.94 | 18.88 | 19.02 | |
| 10 | QPSK | 25 | 25 | 18.92 | 18.92 | 19.01 | |
| 10 | QPSK | 50 | 0 | 19.05 | 18.92 | 18.93 | 20 |
| 10 | 16QAM | 1 | 0 | 18.78 | 18.97 | 19.11 | |
| 10 | 16QAM | 1 | 25 | 18.99 | 19.28 | 19.12 | |
| 10 | 16QAM | 1 | 49 | 18.95 | 19.20 | 19.25 | 20 |
| 10 | 16QAM | 25 | 0 | 18.89 | 19.13 | 19.12 | |
| 10 | 16QAM | 25 | 12 | 18.95 | 19.10 | 19.08 | |
| 10 | 16QAM | 25 | 25 | 18.78 | 19.04 | 19.09 | 20 |
| 10 | 16QAM | 50 | 0 | 18.82 | 19.11 | 19.08 | |
| 10 | 64QAM | 1 | 0 | 17.79 | 18.12 | 17.80 | |
| 10 | 64QAM | 1 | 25 | 18.02 | 17.92 | 17.82 | 19 |
| 10 | 64QAM | 1 | 49 | 17.76 | 17.79 | 17.79 | |
| 10 | 64QAM | 25 | 0 | 17.94 | 18.11 | 18.09 | |
| 10 | 64QAM | 25 | 12 | 17.86 | 17.94 | 18.11 | 19 |
| 10 | 64QAM | 25 | 25 | 17.80 | 18.01 | 18.17 | |
| 10 | 64QAM | 50 | 0 | 17.87 | 18.10 | 18.11 | |
| Channel | | | | 23755 | 23790 | 23825 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | |
| 5 | QPSK | 1 | 0 | 19.92 | 19.88 | 19.84 | 21 |
| 5 | QPSK | 1 | 12 | 19.91 | 19.87 | 19.86 | |
| 5 | QPSK | 1 | 24 | 19.93 | 19.89 | 19.88 | |
| 5 | QPSK | 12 | 0 | 18.99 | 19.17 | 19.33 | 20 |
| 5 | QPSK | 12 | 7 | 19.11 | 19.20 | 19.28 | |
| 5 | QPSK | 12 | 13 | 18.94 | 19.22 | 19.28 | |
| 5 | QPSK | 25 | 0 | 18.97 | 19.14 | 19.27 | 20 |
| 5 | 16QAM | 1 | 0 | 19.45 | 19.50 | 19.22 | |
| 5 | 16QAM | 1 | 12 | 19.62 | 19.18 | 19.55 | |
| 5 | 16QAM | 1 | 24 | 19.46 | 19.51 | 19.67 | 20 |
| 5 | 16QAM | 12 | 0 | 18.90 | 18.93 | 19.14 | |
| 5 | 16QAM | 12 | 7 | 18.90 | 18.97 | 19.09 | |
| 5 | 16QAM | 12 | 13 | 18.81 | 19.06 | 19.09 | 20 |
| 5 | 16QAM | 25 | 0 | 18.91 | 19.03 | 19.07 | |
| 5 | 64QAM | 1 | 0 | 17.71 | 17.72 | 17.72 | |
| 5 | 64QAM | 1 | 12 | 17.75 | 17.72 | 17.80 | 19 |
| 5 | 64QAM | 1 | 24 | 17.80 | 17.80 | 17.72 | |
| 5 | 64QAM | 12 | 0 | 17.86 | 17.91 | 18.15 | |
| 5 | 64QAM | 12 | 7 | 17.99 | 18.07 | 18.01 | 19 |
| 5 | 64QAM | 12 | 13 | 17.84 | 18.02 | 18.04 | |
| 5 | 64QAM | 25 | 0 | 17.81 | 18.00 | 18.16 | |

| | | | | | | | |
|-----------------|-------|----|----|--------|--------|--------|------------------------|
| 3 | QPSK | 15 | 0 | 12.58 | 12.62 | 12.55 | 13.5 |
| 3 | 16QAM | 1 | 0 | 12.27 | 12.68 | 12.44 | |
| 3 | 16QAM | 1 | 8 | 12.60 | 12.54 | 12.53 | |
| 3 | 16QAM | 1 | 14 | 12.64 | 12.53 | 12.23 | 13.5 |
| 3 | 16QAM | 8 | 0 | 12.45 | 12.45 | 12.36 | |
| 3 | 16QAM | 8 | 4 | 12.48 | 12.47 | 12.53 | |
| 3 | 16QAM | 8 | 7 | 12.40 | 12.55 | 12.49 | 12.5 |
| 3 | 16QAM | 15 | 0 | 12.50 | 12.48 | 12.44 | |
| 3 | 64QAM | 1 | 0 | 11.81 | 11.71 | 11.81 | |
| 3 | 64QAM | 1 | 8 | 11.83 | 11.61 | 11.71 | 12.5 |
| 3 | 64QAM | 1 | 14 | 11.48 | 11.74 | 11.81 | |
| 3 | 64QAM | 8 | 0 | 11.60 | 11.59 | 11.72 | |
| 3 | 64QAM | 8 | 4 | 11.70 | 11.66 | 11.67 | 12.5 |
| 3 | 64QAM | 8 | 7 | 11.59 | 11.53 | 11.57 | |
| 3 | 64QAM | 15 | 0 | 11.61 | 11.63 | 11.60 | |
| Channel | | | | 131979 | 132322 | 132665 | Tune-up limit (dBm) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | |
| 1.4 | QPSK | 1 | 0 | 13.29 | 13.20 | 13.21 | 14.5 |
| 1.4 | QPSK | 1 | 3 | 13.35 | 13.37 | 13.37 | |
| 1.4 | QPSK | 1 | 5 | 13.27 | 13.15 | 13.31 | |
| 1.4 | QPSK | 3 | 0 | 13.26 | 13.19 | 13.26 | |
| 1.4 | QPSK | 3 | 1 | 13.23 | 13.29 | 13.20 | |
| 1.4 | QPSK | 3 | 3 | 13.24 | 13.20 | 13.12 | |
| 1.4 | QPSK | 6 | 0 | 12.71 | 12.56 | 12.75 | 13.5 |
| 1.4 | 16QAM | 1 | 0 | 12.58 | 12.58 | 12.78 | 13.5 |
| 1.4 | 16QAM | 1 | 3 | 12.58 | 12.67 | 12.79 | |
| 1.4 | 16QAM | 1 | 5 | 12.41 | 12.61 | 12.49 | |
| 1.4 | 16QAM | 3 | 0 | 12.36 | 12.33 | 12.59 | |
| 1.4 | 16QAM | 3 | 1 | 12.45 | 12.35 | 12.47 | |
| 1.4 | 16QAM | 3 | 3 | 12.46 | 12.47 | 12.41 | |
| 1.4 | 16QAM | 6 | 0 | 12.35 | 12.26 | 12.27 | 13.5 |
| 1.4 | 64QAM | 1 | 0 | 11.86 | 11.71 | 11.87 | 12.5 |
| 1.4 | 64QAM | 1 | 3 | 11.59 | 11.68 | 11.68 | |
| 1.4 | 64QAM | 1 | 5 | 11.56 | 11.56 | 11.67 | |
| 1.4 | 64QAM | 3 | 0 | 11.65 | 11.63 | 11.65 | |
| 1.4 | 64QAM | 3 | 1 | 11.64 | 11.68 | 11.72 | |
| 1.4 | 64QAM | 3 | 3 | 11.64 | 11.57 | 11.59 | |
| 1.4 | 64QAM | 6 | 0 | 11.54 | 11.64 | 11.65 | 12.5 |